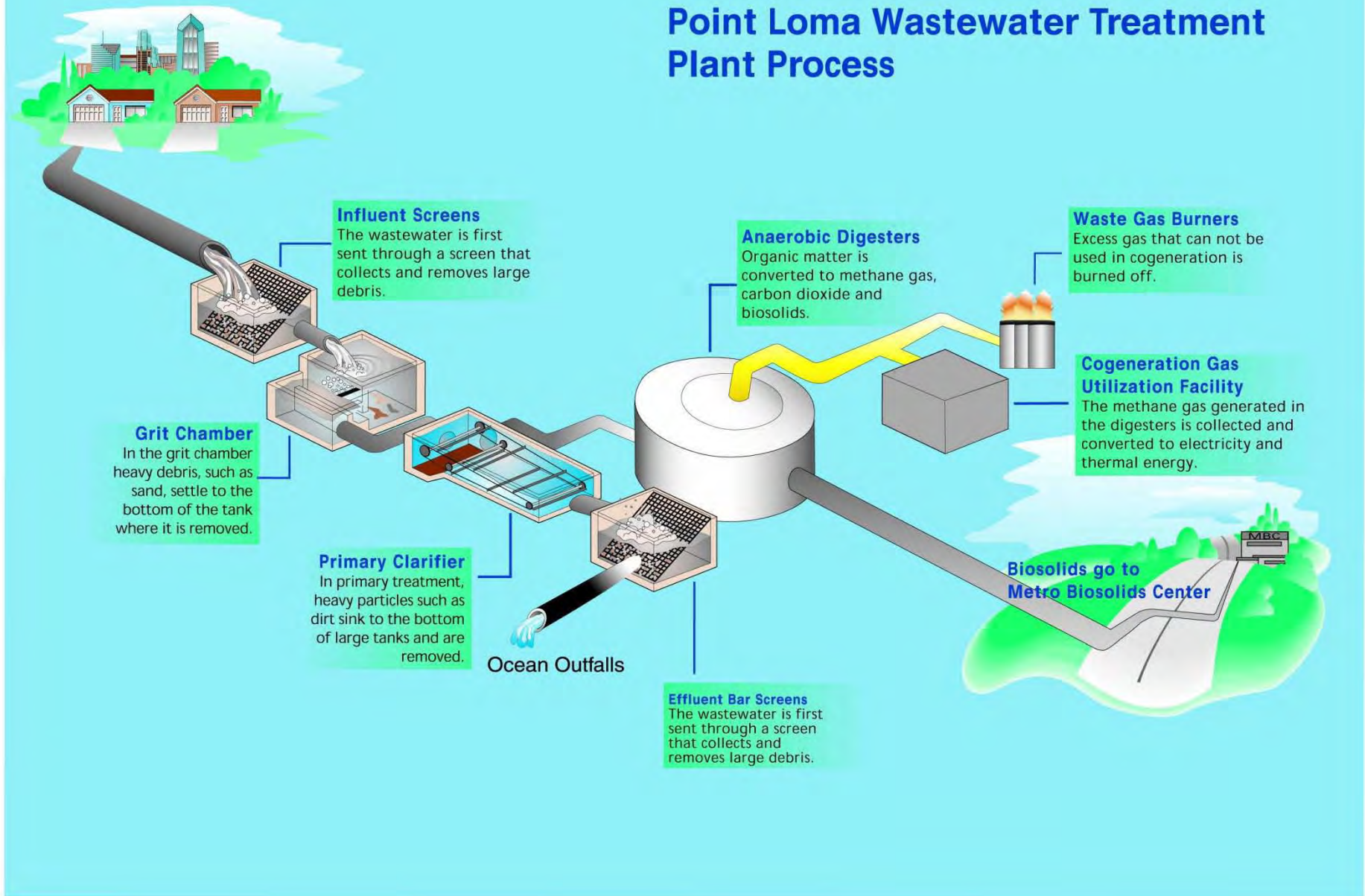
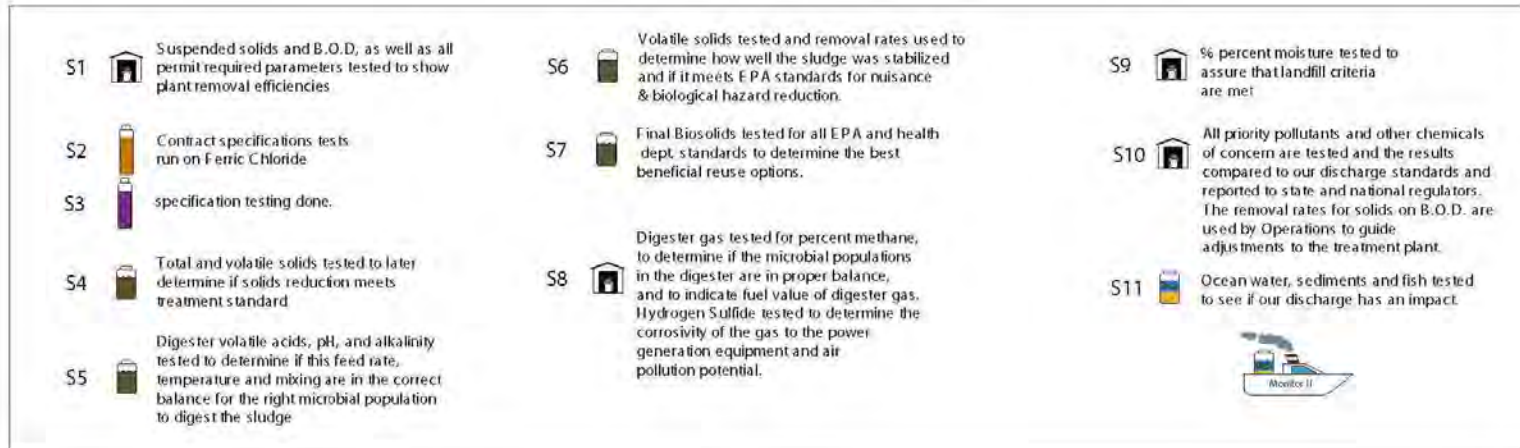


Point Loma Wastewater Treatment Plant Process

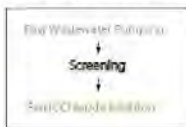


POINT LOMA TREATMENT PLANT PROCESS FLOW DIAGRAM

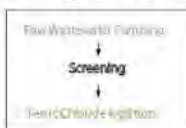
Wastewater Laboratory Testing



Pump Station 1



Pump Station 2



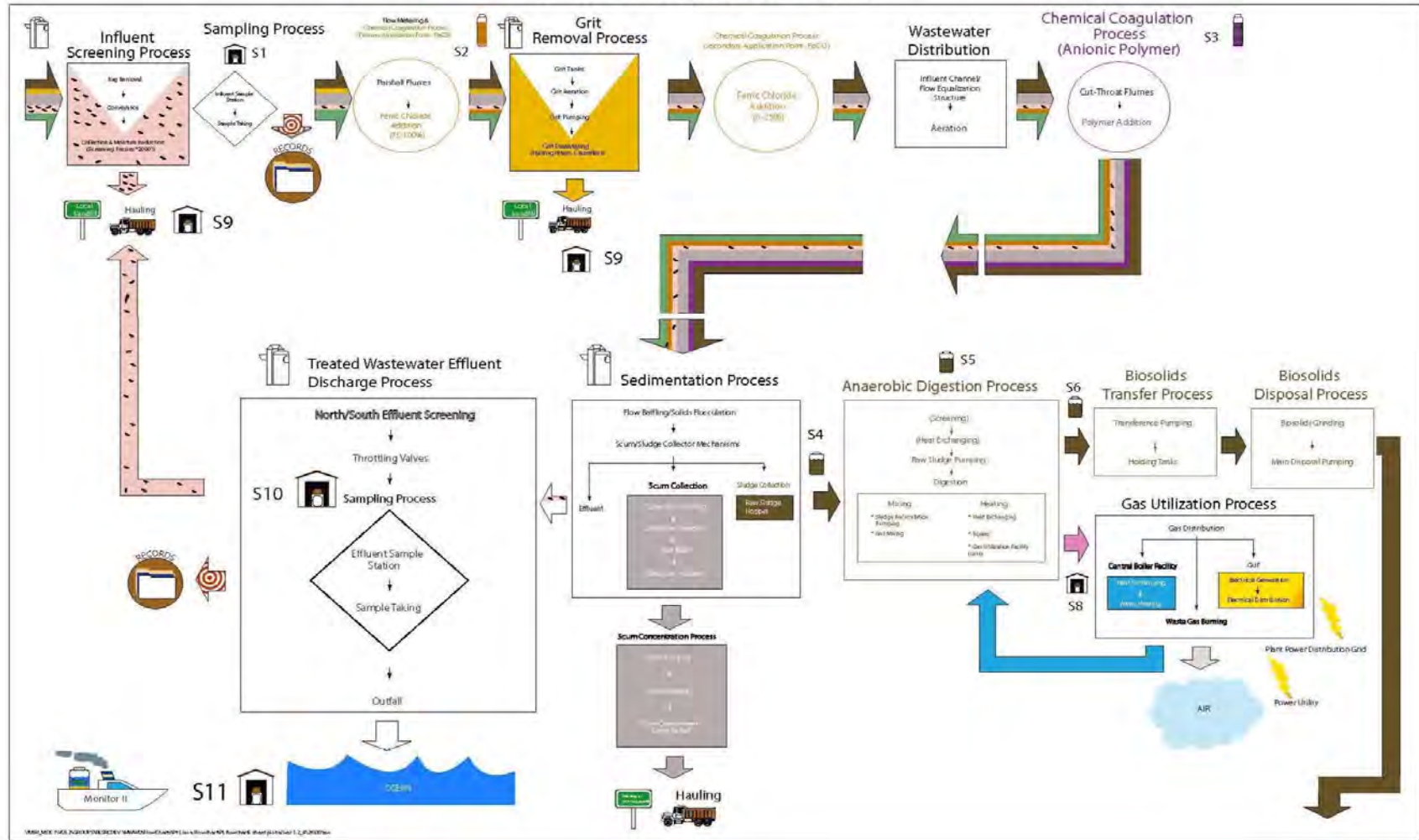
Legend



Odor Removal Process



Point Loma Wastewater Treatment Plant



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- 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
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A. Flows

Point Loma Wastewater Treatment Plant Annual Monitoring Report Flow Report - 2009

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	162.9	125.7	167.3	164.6	56.8
02	175.9	169.7	179.7	176.0	61.2
03	158.0	153.3	163.6	161.2	56.2
04	151.9	147.1	158.2	157.9	54.2
05	148.8	149.8	155.8	149.1	57.7
06	148.0	144.9	152.8	150.1	54.8
07	146.5	144.1	147.8	148.7	55.8
08	148.3	144.1	149.5	150.6	55.9
09	149.3	144.8	150.0	151.5	55.5
10	148.0	144.4	145.2	147.2	53.1
11	143.1	143.4	144.8	138.7	53.8
12	156.1	155.6	153.1	155.4	56.5
avg	153.1	147.2	155.6	154.2	55.9
sum	1,836.7	1,766.9	1,867.8	1,850.9	671.4

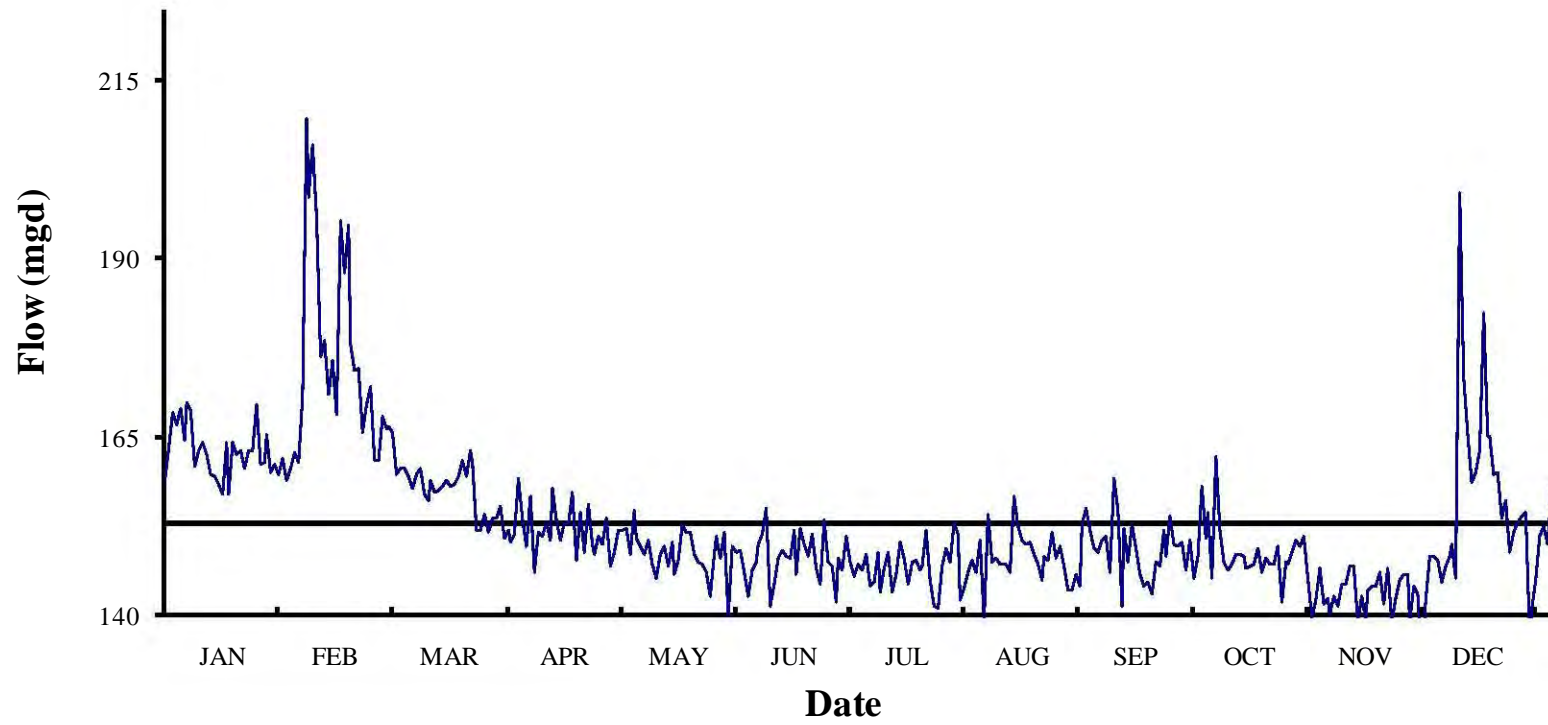
WASTEWATER FLOWS Monthly Total Flows - Millions of Gallons

Mon	Pt. L Gould	Pt. L ADS	PS#2 Flow	PS#2 Pumps	PS#1 Flows
01	5,049	3,897	5,186	5,102	1,760
02	4,925	4,750	5,031	4,928	1,714
03	4,898	4,752	5,072	4,996	1,741
04	4,556	4,413	4,746	4,737	1,627
05	4,613	4,645	4,830	4,621	1,789
06	4,439	4,347	4,583	4,503	1,643
07	4,543	4,468	4,582	4,609	1,730
08	4,598	4,467	4,634	4,669	1,734
09	4,478	4,343	4,501	4,544	1,664
10	4,588	4,476	4,502	4,563	1,645
11	4,293	4,302	4,344	4,161	1,613
12	4,840	4,824	4,746	4,818	1,751
avg	4,652	4,474	4,730	4,688	1,701
sum	55,819	53,684	56,756	56,251	20,411

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.

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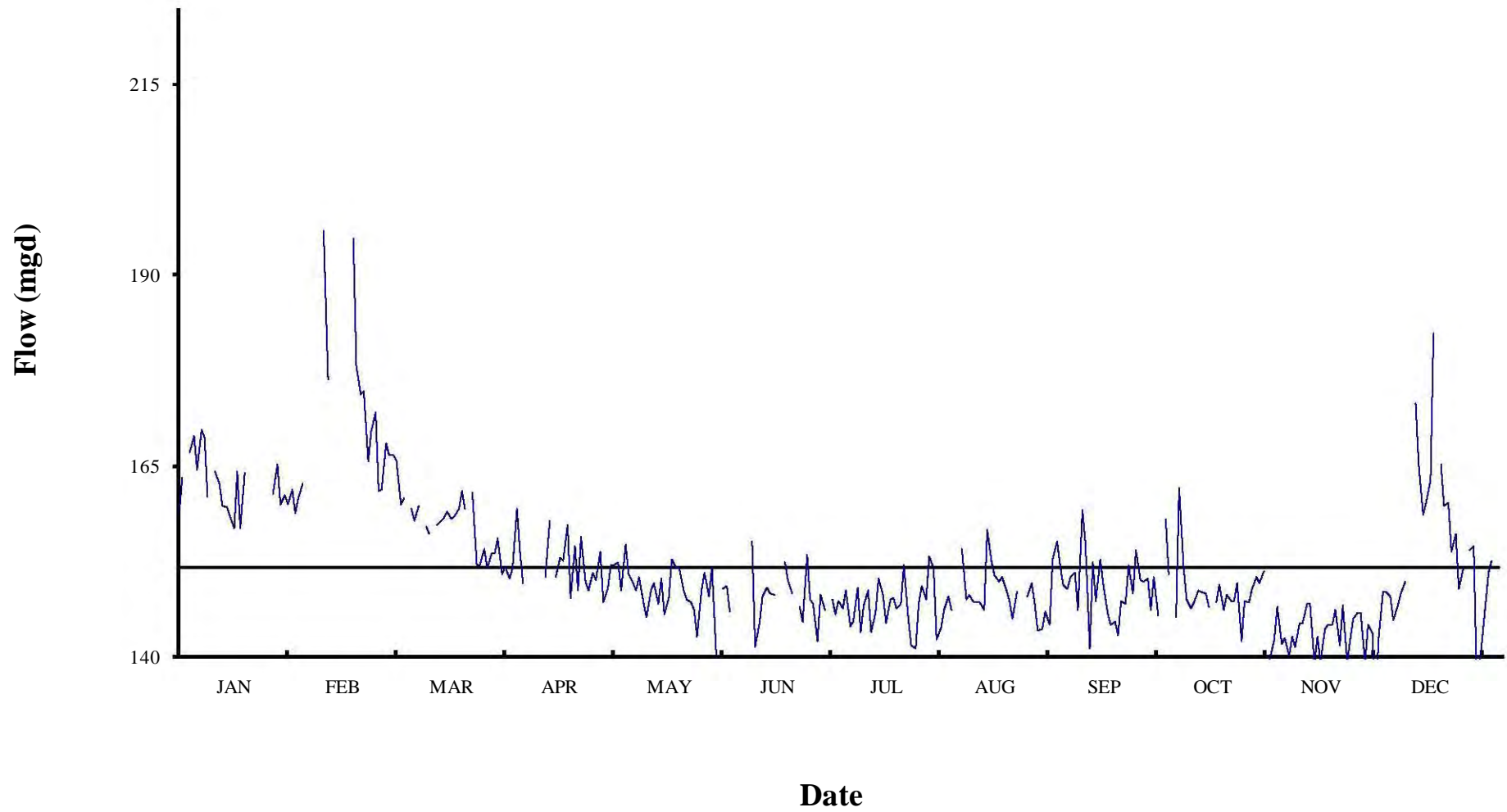
Point Loma Wastewater Treatment Plant 2009 Daily Flows (mgd)



Point Loma Wastewater Treatment Plant 2009 Flows (mgd)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	158.7	161.9	166.3	151.8	151.9	149.2	145.5	147.8	151.9	150.7	141.6	147.8	
2	163.4	158.7	165.6	150.3	152.3	145.9	147.2	146.1	149.4	154.5	142.5	144.7	
3	168.5	160.6	159.8	151.5	148.5	142.7	146.4	150.5	148.7	145.1	140.0	146.8	
4	166.8	162.7	160.6	159.3	154.7	146.3	148.6	139.2	150.4	162.1	142.5	148.3	
5	168.8	161.4	160.4	153.7	150.8	147.5	143.9	154.1	151.1	151.8	141.3	149.9	
6	164.4	170.6	159.3	149.6	149.6	149.8	144.5	147.5	146.1	147.5	144.4	145.2	
7	169.7	209.5	157.7	156.7	148.6	151.3	148.9	148.0	159.1	146.2	144.4	199.2	
8	168.6	198.7	159.8	146.0	150.4	155.1	143.3	147.1	154.8	147.1	147.0	173.1	
9	160.9	205.9	160.7	151.6	147.2	141.2	146.7	147.0	141.1	148.5	146.9	165.2	
10	162.9	195.7	157.0	151.2	145.1	144.3	148.7	147.1	152.3	148.4	139.1	158.5	
11	164.2	176.2	156.0	153.1	148.6	147.9	143.2	146.0	147.4	148.3	142.5	160.1	
12	162.6	178.5	159.0	150.4	149.7	149.0	145.6	156.7	152.7	146.4	139.3	163.0	
13	159.7	171.0	157.2	157.8	146.8	148.3	150.2	152.3	149.3	146.9	143.5	182.3	
14	159.5	175.8	157.5	153.2	150.3	148.0	148.0	150.5	145.7	147.1	144.1	165.1	
15	158.3	168.1	158.1	150.4	145.6	151.8	144.3	149.8	144.1	149.4	144.1	165.1	
16	156.9	195.3	158.9	153.0	147.6	145.7	147.5	150.3	144.6	146.1	146.1	159.8	
17	164.1	187.9	158.0	152.6	152.8	152.3	147.7	148.6	142.9	148.0	141.5	160.0	
18	156.9	194.7	158.4	157.2	151.5	150.1	146.2	147.3	147.4	147.2	146.7	153.6	
19	164.1	178.0	159.4	147.6	151.5	148.3	146.9	144.9	146.9	147.2	139.1	156.0	
20	162.6	174.4	161.6	154.4	148.6	151.3	151.8	148.4	152.0	149.5	142.3	148.7	
21	163.0	174.6	159.4	148.7	147.4	146.5	145.0	147.6	148.3	141.9	145.0	151.6	
22	160.7	165.5	163.1	155.7	147.1	144.5	141.3	151.7	153.8	147.3	145.6	153.1	
23	163.1	169.5	161.4	149.8	146.1	153.4	141.0	147.9	150.0	147.1	145.8	153.8	
24	163.0	171.9	152.0	148.6	142.6	147.5	146.8	149.6	149.8	148.9	139.1	154.5	
25	169.5	161.7	152.0	150.9	148.7	146.9	149.3	146.9	150.1	150.5	144.2	137.1	
26	161.2	161.8	154.1	150.0	150.9	141.9	147.4	143.4	146.2	149.5	143.1	140.8	
27	161.3	167.8	151.6	153.6	147.9	148.1	153.0	143.6	150.4	151.1	132.9	145.0	
28	165.2	166.3	153.5	147.0	151.7	146.2	151.5	145.8	145.2	145.1	142.2	151.0	
29	159.9		153.5	148.9	139.9	151.1	142.2	144.1	148.2	139.6	148.4	152.6	
30	161.1		155.4	151.9	149.7	147.5	143.9	152.7	158.0	142.2	148.4	149.8	Annual
31	159.8		150.8		148.8		146.1	155.0		146.6		158.0	Summary
Average	162.9	175.9	158.0	151.9	148.8	148.0	146.5	148.3	149.3	148.0	143.1	156.1	153.1
Minimum	156.9	158.7	150.8	146.0	139.9	141.2	141.0	139.2	141.1	139.6	132.9	137.1	132.9
Maximum	169.7	209.5	166.3	159.3	154.7	155.1	153.0	156.7	159.1	162.1	148.4	199.2	209.5
Total	5049.1	4924.7	4898.1	4556.3	4612.8	4439.4	4542.7	4597.5	4477.7	4588.0	4293.2	4839.6	55819.0

Point Loma Wastewater Treatment Plant 2009 Daily Dry Flows (mgd)



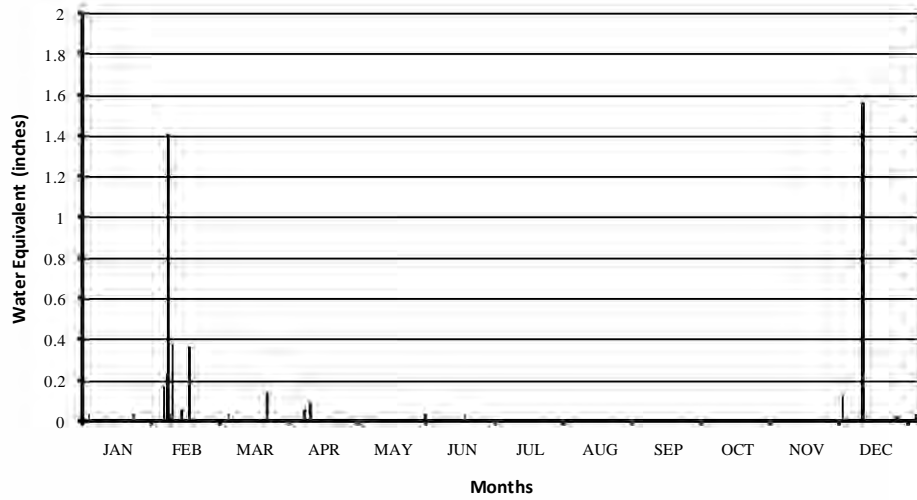
Point Loma Wastewater Treatment Plant 2009 Dry Weather Flows (mgd)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
1	158.7	161.9	166.3	151.8	151.9	149.2	145.5	147.8	151.9	150.7	141.6	147.8	
2	163.4	158.7	165.6	150.3	152.3	145.9	147.2	146.1	149.4		142.5	144.7	
3		160.6	159.8	151.5	148.5		146.4		148.7	145.1	140.0	146.8	
4	166.8	162.7	160.6	159.3	154.7	146.3	148.6		150.4	162.1	142.5	148.3	
5	168.8			153.7	150.8		143.9	154.1	151.1	151.8	141.3	149.9	
6	164.4		159.3	149.6	149.6	149.8	144.5	147.5	146.1	147.5	144.4		
7	169.7		157.7		148.6		148.9	148.0	159.1	146.2	144.4		
8	168.6		159.8		150.4	155.1	143.3	147.1	154.8	147.1	147.0	173.1	
9	160.9				147.2	141.2	146.7	147.0	141.1	148.5	146.9	165.2	
10		195.7	157.0		145.1	144.3	148.7	147.1	152.3	148.4	139.1	158.5	
11	164.2	176.2	156.0		148.6	147.9	143.2	146.0	147.4	148.3	142.5	160.1	
12	162.6			150.4	149.7	149.0	145.6	156.7	152.7	146.4	139.3	163.0	
13	159.7		157.2	157.8	146.8	148.3	150.2	152.3	149.3		143.5	182.3	
14	159.5		157.5		150.3	148.0	148.0	150.5	145.7	147.1	144.1		
15	158.3	168.1	158.1	150.4	145.6		144.3	149.8	144.1	149.4	144.1	165.1	
16	156.9		158.9	153.0	147.6		147.5	150.3	144.6	146.1	146.1	159.8	
17	164.1		158.0	152.6	152.8	152.3	147.7	148.6	142.9	148.0	141.5	160.0	
18	156.9	194.7	158.4	157.2	151.5	150.1	146.2	147.3	147.4	147.2	146.7	153.6	
19	164.1	178.0	159.4	147.6	151.5	148.3	146.9	144.9	146.9	147.2	139.1	156.0	
20		174.4	161.6	154.4	148.6		151.8	148.4	152.0	149.5	142.3	148.7	
21	163.0	174.6	159.4	148.7	147.4	146.5	145.0		148.3	141.9	145.0	151.6	
22		165.5		155.7	147.1	144.5	141.3		153.8	147.3	145.6		
23		169.5	161.4	149.8	146.1	153.4	141.0	147.9	150.0	147.1	145.8	153.8	
24		171.9	152.0	148.6	142.6	147.5	146.8	149.6	149.8	148.9	139.1	154.5	
25		161.7	152.0	150.9	148.7	146.9	149.3	146.9	150.1	150.5	144.2	137.1	
26		161.8	154.1	150.0	150.9	141.9	147.4	143.4	146.2	149.5	143.1	140.8	
27	161.3	167.8	151.6	153.6	147.9	148.1	153.0	143.6	150.4	151.1	132.9	145.0	
28	165.2	166.3	153.5	147.0	151.7	146.2	151.5	145.8	145.2	145.1		151.0	
29	159.9		153.5	148.9	139.9		142.2	144.1		139.6	148.4	152.6	
30	161.1		155.4	151.9		147.5	143.9	152.7	158.0	142.2	148.4		Annual
31	159.8		150.8		148.8		146.1	155.0		146.6		158.0	Summary
Average	162.5	170.6	157.6	151.9	148.8	147.7	146.5	148.5	149.3	147.8	143.1	154.9	152.4
Minimum	156.9	158.7	150.8	147.0	139.9	141.2	141.0	143.4	141.1	139.6	132.9	137.1	132.9
Maximum	169.7	195.7	166.3	159.3	154.7	155.1	153.0	156.7	159.1	162.1	148.4	182.3	195.7
Total	3737.7	3070.2	4255.0	3644.5	4463.1	3398.0	4542.7	4008.7	4329.5	4286.6	4151.1	4027.2	47914.1

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B. Rain Days

**San Diego Precipitation -2009
Daily Rainfall - Lindbergh Field**



First Quarter		Second Quarter		Third Quarter		Fourth Quarter	
Date	Rain	Date	Rain	Date	Rain	Date	Rain
3-Jan-09	0.03	7-Apr-09	0.05	3-Aug-09	T	2-Oct-09	T
10-Jan-09	T	8-Apr-09	T	4-Aug-09	T	13-Oct-09	T
20-Jan-09	T	9-Apr-09	T	21-Aug-09	T	28-Nov-09	0.12
22-Jan-09	T	10-Apr-09	0.09	22-Aug-09	T	6-Dec-09	T
23-Jan-09	0.04	11-Apr-09	T	29-Sep-09	T	7-Dec-09	1.56
24-Jan-09	T	14-Apr-09	T			14-Dec-09	T
25-Jan-09	0.01	30-May-09	0.04			22-Dec-09	0.02
26-Jan-09	T	3-Jun-09	T			30-Dec-09	0.03
5-Feb-09	0.17	5-Jun-09	T				
6-Feb-09	0.23	7-Jun-09	T				
7-Feb-09	1.41	15-Jun-09	T				
8-Feb-09	0.03	16-Jun-09	0.03				
9-Feb-09	0.37	20-Jun-09	T				
12-Feb-09	T	29-Jun-09	T				
13-Feb-09	0.05						
14-Feb-09	T						
16-Feb-09	0.36						
17-Feb-09	0.01						
5-Mar-09	0.04						
9-Mar-09	T						
12-Mar-09	T						
22-Mar-09	0.14						
TOTALS	2.89	0.21		0		1.73	ANNUAL TOTAL 4.83

C. Solids Production

Point Loma Annual Monitoring Report
Solids Report - TOTALS
From 01-Jan-2009 to 31-DEC-2009

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	30,011,548	3,431	30,011,081	2,340	82,336,788	1,132	9,956	3,053
02	26,790,793	4,458	26,790,793	2,191	67,779,420	878	8,265	2,507
03	30,674,626	4,879	31,247,711	2,594	75,565,840	992	9,211	2,715
04	38,151,920	5,617	38,137,202	3,166	81,040,812	1,048	10,467	2,958
05	39,695,856	6,001	39,609,765	3,320	78,544,482	1,231	9,306	2,593
06	40,074,477	6,157	40,075,043	3,616	79,222,449	1,391	10,540	2,888
07	40,673,188	6,064	40,638,018	3,589	81,022,471	1,304	11,174	3,097
08	36,287,629	5,797	36,295,329	3,481	79,752,069	1,360	9,321	2,541
09	37,251,127	5,515	37,251,126	3,536	81,708,977	1,457	11,333	3,128
10	37,036,151	5,643	37,036,151	3,377	78,286,307	1,181	9,668	2,725
11	34,688,477	5,280	35,808,500	3,364	75,454,703	1,020	9,280	2,553
12	34,551,731	5,955	34,551,551	3,307	73,268,429	976	10,848	3,041
avg	35,490,627	5,400	35,621,023	3,157	77,831,896	1,164	9,947	2,817
sum	425,887,523	64,796	427,452,270	37,881	933,982,747	13,971	119,370	33,799

Point Loma Annual Monitoring Report
Solids Report - Daily Averages by Month
From 01-JAN-2009 to 31-DEC-2009

Month	Pt. Loma		Dry Tons	Pt. Loma		Dry Tons	MBC		MBC			Dry Tons
	Raw sludge Gallons	%TS		Digested Sludge Gallons	%TS		Combined Centrate Gallons	%TS	Dry Tons	Dewatered Sludge Wet Tons	%TS	
01	968,114	2.7	111	968,099	1.9	75	2,656,025	0.33	36.7	321	30.7	98.5
02	956,814	4.0	159	956,814	2.0	76	2,420,694	0.31	31.4	295	30.3	89.5
03	989,504	3.8	164	1,007,991	2.0	82	2,437,608	0.31	31.0	297	29.5	87.6
04	1,271,731	3.5	186	1,271,240	2.0	105	2,701,360	0.31	35.0	349	28.3	98.6
05	1,280,511	3.6	196	1,277,734	2.0	106	2,533,693	0.38	39.2	300	27.9	83.5
06	1,335,816	3.7	203	1,335,835	2.2	120	2,640,748	0.42	46.3	479	27.4	131.3
07	1,312,038	3.6	189	1,310,904	2.1	114	2,613,628	0.39	42.1	360	27.7	99.9
08	1,170,569	3.8	185	1,170,817	2.3	111	2,572,647	0.41	43.8	301	27.3	82.0
09	1,241,704	3.6	186	1,241,704	2.3	117	2,723,633	0.43	48.7	378	27.6	104.3
10	1,194,715	3.7	183	1,194,715	2.2	109	2,525,365	0.36	37.5	312	28.2	87.9
11	1,156,283	3.7	180	1,193,617	2.3	111	2,515,157	0.32	33.8	309	27.5	85.1
12	1,114,572	4.1	191	1,114,566	2.3	107	2,363,498	0.32	31.0	350	28.0	98.1
avg	1,166,031	3.7	178	1,170,336	2.1	103	2,558,671	0.36	38.0	338	28.4	95.5

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 - 2009

Month	Polymer Pt.Loma Gallons	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	141,362	5,949	0		93,515	189	89	3,186	811	2,131	391,434	1,201	550	15,500
02	137,709	5,795	0		93,687	187	292	2,467	741	1,399	311,840	1,300		14,000
03	137,053	5,768	0		93,322	180	112	3,229	744	1,446	317,322	1,258	600	15,500
04	127,264	5,358	0		85,797	166	179	5,176	716	1,282	297,088	1,450	450	15,000
05	128,621	5,414	0		86,254	161	86	5,619	617	1,059	308,307	1,300	600	15,500
06	123,614	5,205	12,786		99,435	159	74	4,063	611	1,450	277,851	1,900	600	15,000
07	127,607	5,374	1,248		74,300	174	76	4,594	549	1,956	296,491	2,000		15,500
08	128,646	5,414	0		79,502	188	80	9,915	449	1,778	309,537	2,500	200	15,500
09	125,498	5,283	0		90,153	93	133	4,545	463	1,552	300,913	550	950	15,000
10	129,360	5,446	0		80,791	482	140	3,069	1,284	1,259	304,146	1,962	414	15,500
11	120,407	5,068	3,964		73,118	280	995	4,658	1,106	1,556	288,071	2,800	550	15,000
12	135,029	5,682	0		84,889	226	209	3,697	1,328	1,737	296,708	2,300		15,500
avg	130,181	5,480	1,500		86,230	207	205	4,518	785	1,550	308,309	1,710	546	15,208
sum	1,562,169	65,756	17,998		1,034,763	2,485	2,465	54,218	9,419	18,605	3,699,708	20,521	4,914	182,500

E. Gas Production

Point Loma Wastewater Treatment Plant

Gas Report - 2009

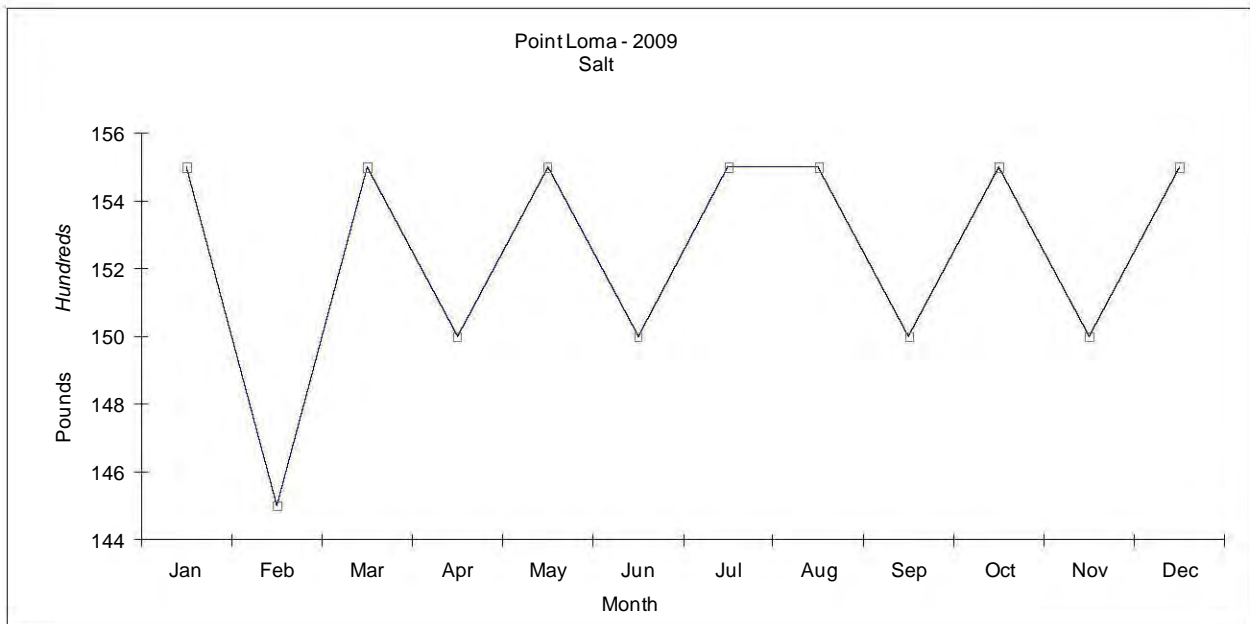
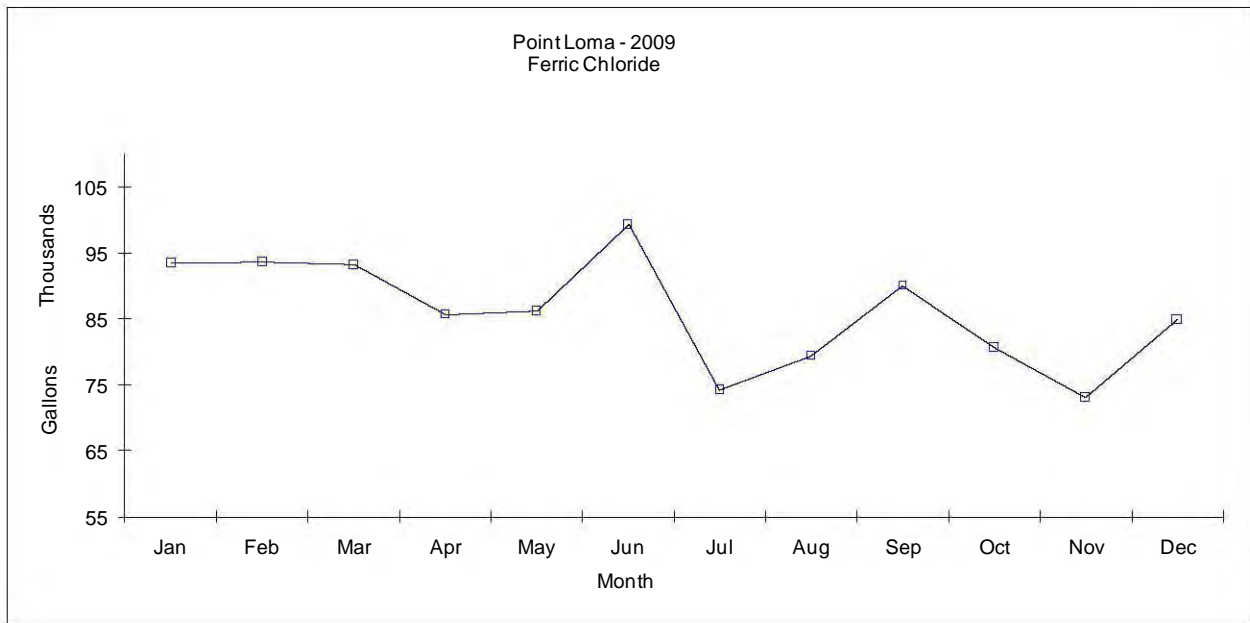
Daily Monthly Averages

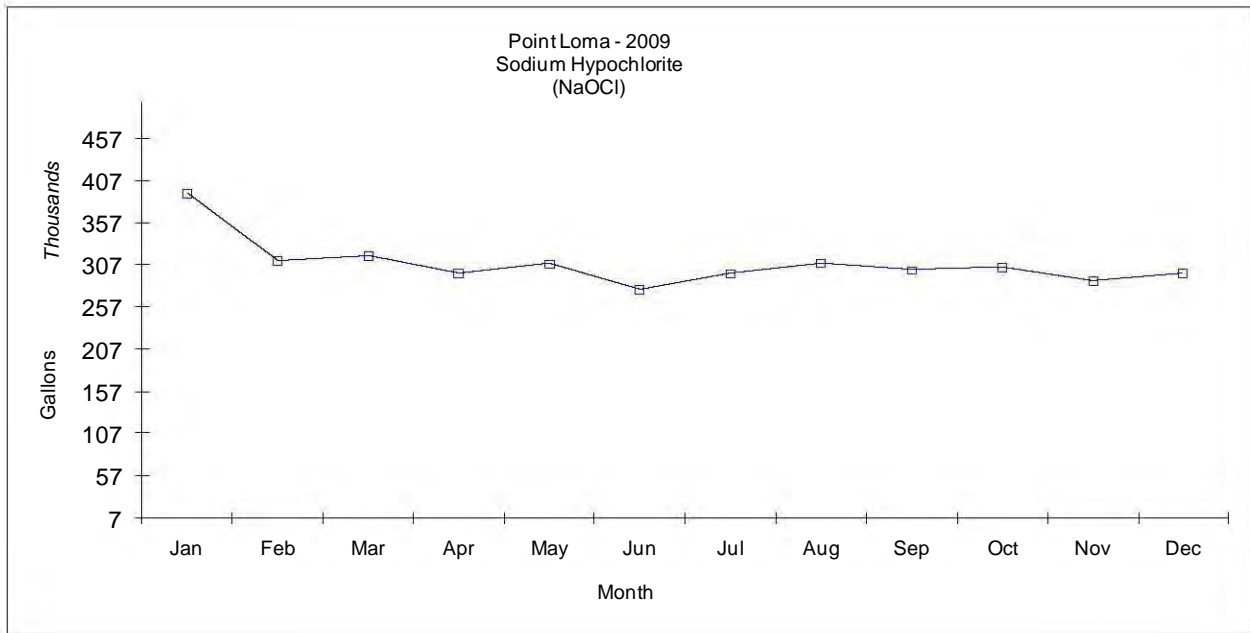
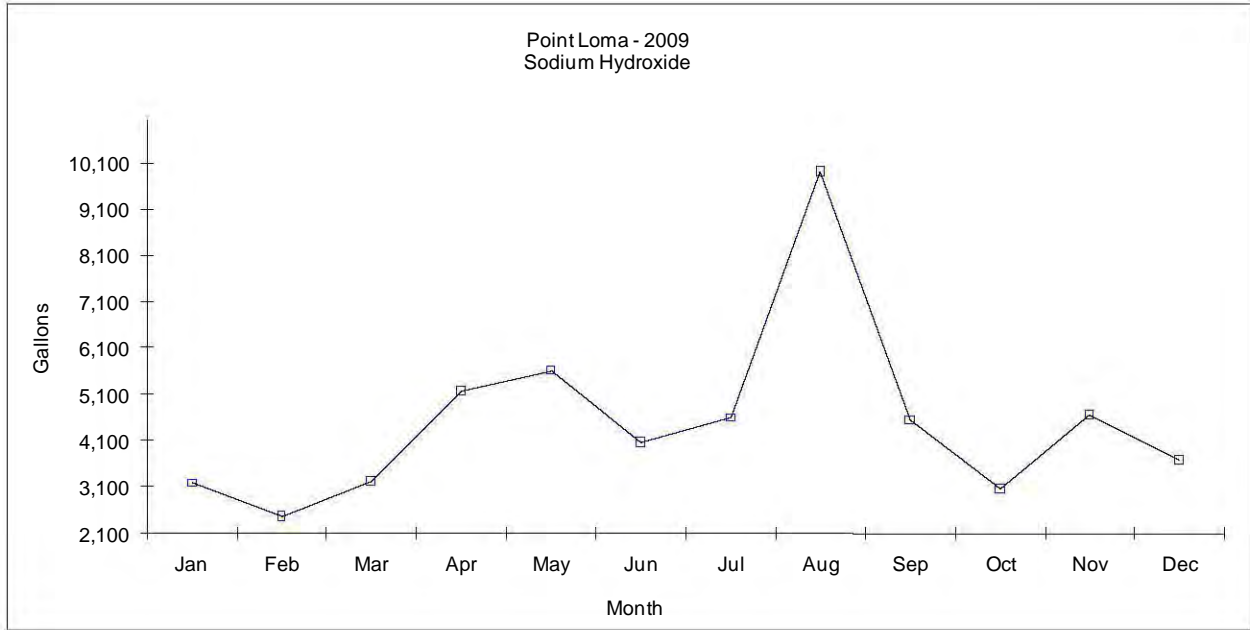
GAS PRODUCTION (x1000 Cu. Ft.)						GAS CONSUMPTION (x1000 Cu. Ft.)						
Month	N-1-P	N-2-P	C-1-P	C-2-P	S-1-P	S-2-P	Dig 7	Total	Boilers	Burners	GUF	Total
01	315.1	284.2	309.6	297.8	542.9	468.9	1.9	2,218.6	87	1,237	1,779	3,103
02	371.2	309.1	329.1	312.9	532.9	469.4	47.1	2,324.7	138	1,279	1,797	3,214
03	383.0	320.3	331.7	315.3	541.3	457.1	86.5	2,348.7	104	1,344	1,798	3,246
04	402.1	392.1	385.7	364.2	411.3	316.2	80.7	2,271.6	79	1,312	1,803	3,194
05	378.1	440.5	392.4	367.0	422.8	327.5	84.1	2,328.3	124	1,856	1,312	3,293
06	362.8	389.0	382.1	361.5	410.3	319.6	82.5	2,225.4	189	2,272	800	3,261
07	371.5	396.7	381.0	356.8	406.3	316.5	104.5	2,228.9	125	1,264	1,745	3,134
08	360.1	377.0	360.8	338.1	388.0	282.2	73.2	2,106.3	66	1,126	1,794	2,986
09	358.8	376.1	356.9	337.2	385.9	279.5	74.8	2,094.4	59	1,063	1,847	2,969
10	364.0	374.1	359.5	339.2	393.2	276.0	75.5	2,106.0	82	1,216	1,715	3,013
11	371.3	385.3	372.1	347.8	402.3	282.4	78.3	2,161.2	124	1,599	1,348	3,071
12	381.4	396.3	380.6	356.3	407.8	285.9	78.0	2,208.3	180	1,872	1,145	3,196
avg	368.3	370.1	361.8	341.2	437.1	340.1	72.3	2,218.5	113	1,453	1,574	3,140

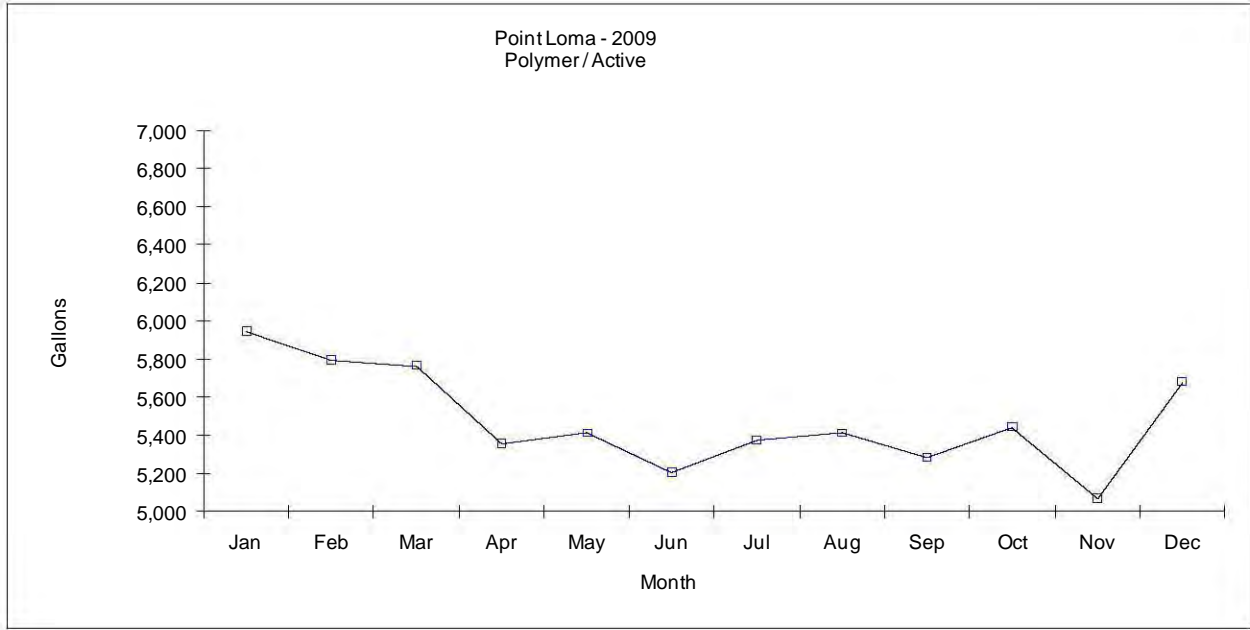
Monthly Totals

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	9,769.0	8,810.0	9,599.0	9,231.0	16,830.0	14,537.0	58.0	68,776.0	2,700	38,357	55,146	96,203
02	10,394.0	8,655.0	9,216.0	8,761.0	14,922.0	13,144.0	1,319.0	65,092.0	3,865	35,812	50,314	89,991
03	11,872.0	9,930.0	10,284.0	9,775.0	16,780.0	14,169.0	2,680.0	72,810.0	3,236	41,656	55,736	100,628
04	12,063.0	11,764.0	11,571.0	10,926.0	12,340.0	9,485.0	2,422.0	68,149.0	2,379	39,366	54,086	95,831
05	11,722.0	13,654.0	12,164.0	11,377.0	13,106.0	10,154.0	2,608.0	72,177.0	3,858	57,546	40,683	102,087
06	10,885.0	11,669.0	11,464.0	10,844.0	12,310.0	9,589.0	2,476.0	66,761.0	5,664	68,157	23,996	97,817
07	11,518.0	12,299.0	11,811.0	11,062.0	12,595.0	9,810.0	3,240.0	69,095.0	3,869	39,184	54,092	97,145
08	11,164.0	11,686.0	11,186.0	10,482.0	12,029.0	8,749.0	2,270.0	65,296.0	2,054	34,907	55,603	92,564
09	10,763.0	11,284.0	10,706.0	10,116.0	11,576.0	8,386.0	2,244.0	62,831.0	1,760	31,875	55,421	89,056
10	11,284.0	11,598.0	11,143.0	10,515.0	12,190.0	8,556.0	2,341.0	65,286.0	2,550	37,683	53,180	93,413
11	11,138.0	11,559.0	11,162.0	10,435.0	12,070.0	8,471.0	2,349.0	64,835.0	3,732	47,959	40,425	92,116
12	11,822.0	12,284.0	11,800.0	11,045.0	12,642.0	8,864.0	2,419.0	68,457.0	5,579	58,027	35,481	99,087
avg	11,199.5	11,266.0	11,008.8	10,380.8	13,282.5	10,326.2	2,202.2	67,463.8	3,437	44,211	47,847	95,495
sum	134,394.0	135,192.0	132,106.0	124,569.0	159,390.0	123,914.0	26,426.0	809,565.0	41,246	530,529	574,163	1,145,938

F. Graphs of Chemical Usage







G. Facilities Out-of-Service Report

FACILITIES THAT WERE OUT OF SERVICE IN 2009 BY DATE

FACILITY OOS	FROM	TO	REASON
S1 Grit Basin	1/1	12/31	Tank rehabilitation
S2 Grit Basin	1/1	12/31	Tank rehabilitation
Sed Basin #1	1/1	12/31	Tank rehabilitation
Sed Basin #3	1/1	12/31	Tank rehabilitation
Sed Basin #5	1/1	4/12	Preventive Maintenance
Sed Basin #4	1/1	3/6	Preventive Maintenance
NEOC	1/1	2/9	SEOC valve work
West Influent Channel	1/1	1/6	Stop log rotation
East Influent Channel	1/6	1/30	Stop log rotation
Influent Screen #3	1/26	1/28	Corrective Maintenance
West Influent Channel	1/30	3/10	Stop log rotation
SEOC	2/9	2/11	Troubleshooting SEOC programming
NEOC	2/11	4/23	SEOC valve work
N2 Grit Basin	2/13	2/13	Corrective Maintenance
Sed Basin #11	3/6	7/15	Preventive Maintenance
East Influent Channel	3/10	4/3	Stop log rotation
West Influent Channel	4/3	4/29	Stop log rotation
Sed Basin #8	4/12	4/16	Corrective Maintenance
Sed Basin #2	4/15	5/20	Corrective Maintenance
Influent Screen #4	4/17	4/17	Corrective Maintenance
SEOC	4/23	4/24	Troubleshooting
C2 Grit Basin	4/23	4/24	Corrective Maintenance
Influent Screen #4	4/23	4/23	Corrective Maintenance
NEOC	4/24	6/20	SEOC on line only
East Influent Channel	4/29	6/3	Stop log rotation
Sed Basin #6	5/2	8/6	Preventive Maintenance
West Influent Channel	6/3	6/23	Stop log rotation
SEOC	6/20	6/24	Troubleshooting programming
East Influent Channel	6/23	7/29	Stop log rotation
Influent Screen #1	6/24	9/30	Overhaul
Sed Basin #9	7/5	8/13	Preventive Maintenance
NEOC	7/14	9/8	Programming SEOC
C1 Grit Basin	7/27	7/27	Corrective Maintenance
West Influent Channel	7/29	8/20	Stop log rotation
Sed Basin #5	8/6	8/31	Preventive Maintenance
Sed Basin #8	8/12	8/16	Corrective Maintenance
Sed Basin #6	8/16	12/8	Corrective Maintenance
Sed Basin #9	8/16	8/26	Corrective Maintenance
East Influent Channel	8/20	9/16	Stop log rotation
C1 Grit Basin	8/21	8/21	Corrective Maintenance
C1 Grit Basin	8/23	8/28	Preventive Maintenance
Sed Basin #10	8/25	9/22	Corrective Maintenance
N1 Grit Basin	8/30	9/2	Preventive Maintenance
C2 Grit Basin	9/2	9/4	Preventive Maintenance
SEOC	9/8	9/21	Programming SEOC
C2 Grit Basin	9/12	9/13	Corrective Maintenance
N2 Grit Basin	9/13	9/21	Preventive Maintenance
West Influent Channel	9/16	10/13	Stop log rotation
NEOC	9/21	12/31	SEOC on line only
Sed Basin #10	9/25	10/28	Corrective Maintenance
C1 Grit Basin	10/9	10/9	Corrective Maintenance
East Influent Channel	10/13	11/24	Stop log rotation
Influent Screen #2	10/14	10/14	Corrective Maintenance
C1 Grit Basin	10/22	10/22	Corrective Maintenance

FACILITY OOS	FROM	TO	REASON
Sed Basin #4	10/28	12/31	Corrective Maintenance
Influent Screen #5	11/16	11/25	Corrective Maintenance
West Influent Channel	11/24	12/15	Stop log rotation
Influent Screen #2	12/8	12/8	Corrective Maintenance
N2 Grit Basin	12/9	12/11	Corrective Maintenance
N1 Grit Basin	12/15	12/15	Corrective Maintenance
Influent Screen #5	12/17	12/21	Corrective Maintenance
Sed Tank #11	12/30	12/31	Corrective maintenance

FACILITIES THAT WERE OUT OF SERVICE IN 2009

FACILITY: DATES OUT OF SERVICE

GRIT CHAMBERS

N1	8/30-09-02; 12/15
N2	02/13; 9/13-9/21; 12/9-12/11
C1	7/27; 8/21; 08/23-08/28; 10/09; 10/22
C2	4/23; 4/24; 09/02-09-04; 09/12-09/13
S1	01/01-12/31
S2	01/01-12/31

CHANNELS

EAST	1/6-1/30; 3/10-4/3; 4/29-6/3; 6/23-7/29; 8/20-9/16; 10/13-11/24
WEST	1/30-3/10; 4/3-4/29; 6/3-6/23; 7/29-8/20; 9/16-10/13; 11/24-12/15

BASINS

1	1/01-12/31
2	04/15-05/20
3	1/01-12/31
4	01/01-03/06; 10/28-12/31
5	01/01-04/15; 08/06-08/31
6	05/21-08/06; 08/16-12/08
7	
8	04/12-08/16
9	07/15-08/13; 08/16-08/26
10	08/25-09/22; 09/25-10/28
11	03/06-07/15; 12/30-12/31
12	

NEOC	1/1-2/9; 2/11-4/23; 4/25-6/20; 7/14-9/8; 9/21-12/31
SEOC	2/9-2/11; 4/23-4/24; 6/20-6/24; 9/8-9/21
INFLUENT SCREEN #1	6/24-9/30
INFLUENT SCREEN #2	10/14; 12/08
INFLUENT SCREEN #3	1/26-1/28
INFLUENT SCREEN #4	4/17; 4/23
INFLUENT SCREEN #5	11/16-11/25; 12/17-12/21

DIGESTERS

N1P	
N2P	
C1P	
C2P	
S1P	
S2P	
Dig 7	
Dig 8	

SHUTDOWNS

DATE	FROM	TO	REASON
01/09	0230	0600	PS 2 maintenance
03/27	0230	0530	PS 2 screen maintenance
04/08	0230	0630	PS 2 maintenance
04/10	0230	0630	Polymer line flushing
04/23	0230	0530	Switchgear cleaning
06/02	0230	0630	Switchgear cleaning
06/03	0230	0630	Switchgear cleaning
06/04	0230	0630	Switchgear cleaning
07/21	0230	0630	Switchgear cleaning
07/22	0230	0630	Switchgear cleaning
07/23	0230	0630	Switchgear cleaning
07/29	0230	0630	Switchgear cleaning
08/04	0230	0630	Switchgear cleaning
08/06	0230	0630	Switchgear cleaning
08/26	0230	0630	North Metro Interceptor work
09/09	0230	0600	Switchgear cleaning
09/10	0230	0530	Switchgear cleaning
09/23	0230	0620	Switchgear cleaning
09/24	0230	0510	Switchgear cleaning
10/21	0230	0620	Breaker replacement
11/10	0230	0500	Switchgear cleaning
11/19	0230	0600	Polymer line maintenance and Switchgear cleaning
12/18	0230	0500	PS 2 maintenance

H. Grit and Screenings

The following are reports of the analyses of grit samples taken from the Pt. Loma WWTP headworks (grit removal chambers) in 2009. 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 2009 (% WT)**

Grit Monthly Averages		Headworks Screenings Monthly		Sludge Screenings Monthly Averages	
JAN	47.3	JAN	41.9	JAN	35.8
FEB	50.2	FEB	47.4	FEB	37.1
MAR	47.5	MAR	46.0	MAR	36.0
APR	49.0	APR	47.5	APR	36.6
MAY	48.5	MAY	46.6	MAY	37.9
JUN	54.0	JUN	51.1	JUN	39.2
JUL	51.9	JUL	44.7	JUL	38.7
AUG	52.0	AUG	49.3	AUG	39.7
SEP	60.4	SEP	55.2	SEP	40.9
OCT	54.8	OCT	45.2	OCT	38.8
NOV	53.1	NOV	40.8	NOV	37.2
DEC	62.1	DEC	43.7	DEC	37.6
AVG	52.6	AVG	46.6	AVG	38.0

Point Loma Wastewater Treatment Plant

2009 Grit Total Solid (% WT) at Point Loma

	Average	Minimum	Maximum
	% WT	% WT	% WT
JAN	47.3	41.0	58.0
FEB	50.2	41.6	62.9
MAR	47.5	40.0	62.0
APR	49.0	41.8	63.9
MAY	48.5	40.0	61.4
JUN	54.0	41.6	69.7
JUL	51.9	45.0	73.2
AUG	52.0	41.2	63.5
SEP	60.4	40.7	92.1
OCT	54.8	46.6	75.6
NOV	53.1	43.0	65.1
DEC	62.1	46.7	88.1

2009 Headworks Screenings Total Solids (% WT) at Point Loma

	Average	Minimum	Maximum
	% WT	% WT	% WT
JAN	41.9	33.1	50.7
FEB	47.4	37.2	64.4
MAR	46.0	39.8	51.9
APR	47.5	42.8	53.1
MAY	46.6	37.8	60.8
JUN	51.1	44.3	60.6
JUL	44.7	38.4	56.6
AUG	49.3	46.0	60.0
SEP	55.2	42.7	67.9
OCT	45.2	39.0	52.5
NOV	40.8	36.1	49.4
DEC	43.7	35.4	51.6

2009 Sludge Screenings Total Solids (% WT) at Point Loma

	Average	Minimum	Maximum
	% WT	% WT	% WT
JAN	35.8	32.0	41.7
FEB	37.1	32.0	55.1
MAR	36.0	31.2	41.1
APR	36.6	32.1	43.6
MAY	37.9	30.1	52.1
JUN	39.2	35.6	50.0
JUL	38.7	34.7	45.9
AUG	39.7	36.2	59.8
SEP	40.9	35.8	62.1
OCT	38.8	34.3	44.9
NOV	37.2	28.4	41.6
DEC	37.6	33.5	43.3

POINT LOMA WASTEWATER TREATMENT PLANT
CALIFORNIA HAZARDOUS WASTE IDENTIFICATION TESTS (Title 22)
Metro Biosolids Center Dewatered Sludge
From: 01-JUN-2009 to 30-JUN-2009

Source: PLR
Sample ID: P472808
Sample Date: 01-JUN-09

Constituent	MDL	Units	Total	Total	TTL	W.E.T.	STLC	40 CFR	503	CA Health &
			Dry Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Limits	Limits	Safety code
			mg/Kg	mg/Kg	mg/Kg	mg/L	mg/L	mg/Kg	mg/Kg	mg/Kg
Antimony	.5	MG/KG	1.49	.744	500	*	15.00			
Arsenic	.33	MG/KG	1.85	.92	500	*	5.00	41		
Barium	.05	MG/KG	90	45	10000	*	100.00			
Beryllium	.02	MG/KG	.04	.02	75	*	.75			
Cadmium	.1	MG/KG	.5	.25	100	*	1.00	39		
Chromium (VI)			NA	NA	500	NA	5.00			
Chromium	.3	MG/KG	18.4	9.19	2500	*	560.00	1,200		
Cobalt	.2	MG/KG	1.91	.954	8000	*	80.00			
Copper	.4	MG/KG	365	182.3	2500	*	25.00	1,500		2,500
Lead	2	MG/KG	35.8	17.9	1000	*	5.00	300		350
Mercury	0	MG/KG	.31	.156	20	*	.20	17		
Molybdenum	.1	MG/KG	5	2.5	3500	*	350.00			
Nickel	.3	MG/KG	20.8	10.39	2000	*	20.00	420		2,000
Selenium	.24	MG/KG	.69	.342	100	*	1.00	100		
Silver	.07	MG/KG	3.9	1.948	500	*	5.00			
Thallium	1	MG/KG	ND	ND	700	*	7.00			
Vanadium	.2	MG/KG	9.27	4.63	2400	*	24.00			
Zinc	8	MG/KG	252	126	5000	*	250.00	2,800		
Fluoride			NA	NA	18000	NA	180.00			
Sulfides-Reactive			NA	NA						
Sulfides-Total			NA	NA						
Total Solids		WT%	49.95							
Total Volatile Solids		WT%	42.25							
pH	.08	PH	6.56		>2 - <12					
Aldrin	.071	MG/KG	ND	ND	1.4	*	.14			
Chlordanes	.048	MG/KG	ND	ND	2.5	*	.25			
DDT, DDE, DDD	.071	MG/KG	ND	ND	1.0	*	.10			
2,4-D	2.66	MG/KG	ND	ND	100	*	10.00			
Dieldrin	.035	MG/KG	ND	ND	8.0	*	.80			
Endrin	.035	MG/KG	ND	ND	0.2	*	.02			
Heptachlor	.016	MG/KG	ND	ND	4.7	*	.47			
Kepone			NA	NA	21	NA	2.10			
Lindane	0	MG/KG	ND	ND	4.0	*	.40			
Methoxychlor	.1	MG/KG	ND	ND	100	*	10.00			
Mirex	.018	MG/KG	ND	ND	21	*	2.10			
Pentachlorophenol	1.17	MG/KG	ND	ND	17	*	1.70			
PCBs (Arochlors)	.58	MG/KG	ND	ND	50	*	5.00			
Toxaphene	.13	MG/KG	ND	ND	5	*	.50			
Trichloroethene	.003	MG/KG	ND	ND	2040	*	204.00			
2,4,5-TP	2.87	MG/KG	ND	ND	10	*	1.00			

TTL = Total Threshold Limit Concentration.
STLC = Soluble Threshold Limit Concentration.
W.E.T. = Waste Extraction Technique.
* = The total wet 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.

POINT LOMA WASTEWATER TREATMENT PLANT
CALIFORNIA HAZARDOUS WASTE IDENTIFICATION TESTS (Title 22)
Metro Biosolids Center Dewatered Sludge
From: 01-NOV-2009 to 31-NOV-2009

Source: PLR
Sample ID: P494018
Sample Date: 02-NOV-09

Constituent	MDL	Units	Total	Total	TTL	W.E.T.	STLC	40 CFR	503	CA Health &
			Dry Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Wet Wt.	Limits **	Limits ***	Safety code
			mg/Kg	mg/Kg	mg/Kg	mg/L	mg/L	mg/Kg	mg/Kg	mg/Kg
Antimony	.5	MG/KG	1.63	.86	500	*	15.00			
Arsenic	.33	MG/KG	1.93	1.02	500	*	5.00	41		
Barium	.05	MG/KG	76.1	40.1	10000	*	100.00			
Beryllium	.02	MG/KG	.05	.026	75	*	.75			
Cadmium	.1	MG/KG	.41	.216	100	*	1.00	39		
Chromium (VI)			NA	NA	500	NA	5.00			
Chromium	.3	MG/KG	50.1	26.43	2500	*	560.00	1,200		
Cobalt	.2	MG/KG	1.62	.855	8000	*	80.00			
Copper	.4	MG/KG	216	113.9	2500	*	25.00	1,500	2,500	
Lead	2	MG/KG	82.1	43.3	1000	*	5.00	300	350	
Mercury	0	MG/KG	.14	.076	20	*	.20	17		
Molybdenum	.1	MG/KG	4.8	2.53	3500	*	350.00			
Nickel	.3	MG/KG	33.2	17.513	2000	*	20.00	420	2,000	
Selenium	.24	MG/KG	ND	ND	100	*	1.00	100		
Silver	.07	MG/KG	1.26	.665	500	*	5.00			
Thallium	1	MG/KG	ND	ND	700	*	7.00			
Vanadium	.2	MG/KG	7.59	4.004	2400	*	24.00			
Zinc	.5	MG/KG	174	92	5000	*	250.00	2,800		
Fluoride			NA	NA	18000	NA	180.00			
Sulfides-Reactive			NA	NA						
Sulfides-Total			NA	NA						
Total Solids	0	WT%	52.75							
Total Volatile Solids	.11	WT%	45.9							
pH	.08	PH	6.42		>2 - <12					
Aldrin	.071	MG/KG	ND	ND	1.4	*	.14			
Chlordanes	.048	MG/KG	ND	ND	2.5	*	.25			
DDT, DDE, DDD	.071	MG/KG	ND	ND	1.0	*	.10			
2,4-D		MG/KG	ND	ND	100	*	10.00			
Dieldrin	.035	MG/KG	ND	ND	8.0	*	.80			
Endrin	.035	MG/KG	ND	ND	0.2	*	.02			
Heptachlor	.016	MG/KG	ND	ND	4.7	*	.47			
Kepone			NA	NA	21	NA	2.10			
Lindane	0	MG/KG	ND	ND	4.0	*	.40			
Methoxychlor	.1	MG/KG	ND	ND	100	*	10.00			
Mirex	.018	MG/KG	ND	ND	21	*	2.10			
Pentachlorophenol	1.17	MG/KG	ND	ND	17	*	1.70			
PCBs (Arochlors)	.58	MG/KG	ND	ND	50	*	5.00			
Toxaphene	.13	MG/KG	ND	ND	5	*	.50			
Trichloroethene	.003	MG/KG	ND	ND	2040	*	204.00			
2,4,5-TP		MG/KG	ND	ND	10	*	1.00			

TTL = Total Threshold Limit Concentration.
STLC = Soluble Threshold Limit Concentration.
W.E.T. = Waste Extraction Technique.
* = The total wet 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.

POINT LOMA WASTEWATER TREATMENT PLANT
 QUARTERLY GRIT COMPOSITES
 Inorganics and Organics

From: 01-JAN-2009 To: 31-DEC-2009

Analyte:	MDL	Units:	GRIT COMP	GRIT COMP
			01-JUN-2009 P472808	02-NOV-2009 P494018
Aluminum	4	MG/KG	2950	1740
Antimony	.5	MG/KG	1.5	1.6
Arsenic	.33	MG/KG	1.85	1.93
Barium	.05	MG/KG	90.0	76.1
Beryllium	.02	MG/KG	0.04	0.05
Cadmium	.1	MG/KG	0.5	0.4
Chromium	.3	MG/KG	18	50
Cobalt	.2	MG/KG	1.9	1.6
Copper	.4	MG/KG	365	216
Iron	20	MG/KG	19100	13500
Lead	2	MG/KG	36	82
Manganese	.2	MG/KG	98	79
Mercury	.003	MG/KG	0.31	0.15
Molybdenum	.1	MG/KG	5.0	4.8
Nickel	.3	MG/KG	21	33
Selenium	.24	MG/KG	0.69	ND
Silver	.07	MG/KG	3.9	1.3
Thallium	1	MG/KG	ND	ND
Vanadium	.2	MG/KG	9.3	7.6
Zinc	8	MG/KG	252	174
pH	.08	PH	6.56	6.42
Total Solids	.24	WT%	50.0	52.8
Total Volatile Solids	.11	WT%	42.3	45.9
Aldrin	71000	MG/KG	ND	ND
2,4-dichlorophenoxyacetic acid	2.66	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	2.6	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

Annual 2009

Analyte	MDL	Units	PLR	PLR
			01-JUN-2009 P472808	02-NOV-2009 P494018
===== 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	ND	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	ND	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	0	0
Chlordane + related cmpds.	52000	NG/KG	0	0
Polychlorinated biphenyls	580000	NG/KG	0	0
===== Chlorinated Hydrocarbons	580000	NG/KG	0	0

ND=not detected
NS=not sampled
NA=not analyzed

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

From 01-JAN-2009 To 31-DEC-2009

Analyte	MDL	Units	PLR	PLR
			01-JUN-2009 P472808	02-NOV-2009 P494018
2-chlorophenol	1310	UG/KG	ND	ND
4-chloro-3-methylphenol	1900	UG/KG	ND	ND
2,4-dichlorophenol	914	UG/KG	ND	ND
2,4-dimethylphenol	1070	UG/KG	ND	ND
2,4-dinitrophenol		UG/KG	ND	ND
2-methyl-4,6-dinitrophenol		UG/KG	ND	ND
2-nitrophenol	1600	UG/KG	ND	ND
4-nitrophenol		UG/KG	ND	ND
Pentachlorophenol	1170	UG/KG	ND	ND
Phenol	1440	UG/KG	ND	ND
2,4,6-trichlorophenol	1600	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-2009 To 31-DEC-2009

Source:			PLR	PLR
Date:			01-JUN-2009	02-NOV-2009
Sample:	MDL	Units	P472808	P494018
=====	=====	=====	=====	=====
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	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	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	2350
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	5240	ND
Anthracene	986	UG/KG	1640	ND
Di-n-butyl phthalate	1450	UG/KG	ND	ND
N-nitrosodimethylamine		UG/KG	ND	ND
Fluoranthene	216	UG/KG	5700	870
Pyrene	1150	UG/KG	4550	ND
Benzidine		UG/KG	ND	ND
Butyl benzyl phthalate	2210	UG/KG	ND	ND
Chrysene	352	UG/KG	2480	726
Benzo[A]anthracene	1100	UG/KG	2590	ND
Bis-(2-ethylhexyl) phthalate	3960	UG/KG	ND	ND
Di-n-octyl phthalate	3460	UG/KG	ND	ND
3,3-dichlorobenzidine		UG/KG	ND	ND
Benzo[K]fluoranthene	1930	UG/KG	ND	ND
3,4-benzo(B)fluoranthene	1127	UG/KG	3360	ND
Benzo[A]pyrene	741	UG/KG	2560	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	624	ND
1,2-diphenylhydrazine	1590	UG/KG	ND	ND
=====	=====	=====	=====	=====
Polynuc. Aromatic Hydrocarbons	2520	UG/KG	23044	726
Total Dichlorobenzenes	733	UG/KG	0	0
=====	=====	=====	=====	=====
Base/Neutral Compounds	3960	UG/KG	28744	3946

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

POINT LOMA WASTEWATER TREATMENT PLANT
GRIT - Priority Pollutants Purgeable Compounds

From 01-JAN-2009 To 31-DEC-2009

Analyte	MDL	Units	PLR	PLR
			01-JUN-2009 P472808	02-NOV-2009 P494018
Acrolein	6.4	UG/KG	ND	ND
Acrylonitrile	3.9	UG/KG	ND	ND
Benzene	2.1	UG/KG	ND	ND
Bromodichloromethane	2.2	UG/KG	ND	ND
Bromoform	2.4	UG/KG	ND	ND
Bromomethane	6.9	UG/KG	ND	ND
Carbon tetrachloride	3	UG/KG	ND	ND
Chlorobenzene	1	UG/KG	4.1	2.8
Chloroethane	3.6	UG/KG	ND	ND
Chloroform	2.3	UG/KG	4.3	4.6
Chloromethane	3.4	UG/KG	ND	ND
Dibromochloromethane	2.4	UG/KG	ND	ND
1,2-dichlorobenzene	1.5	UG/KG	4.0	3.4
1,3-dichlorobenzene	1.8	UG/KG	3.6	ND
1,4-dichlorobenzene	1.5	UG/KG	76.7	111.0
1,1-dichloroethane	1.9	UG/KG	ND	ND
1,1-dichloroethene	5	UG/KG	ND	ND
1,2-dichloroethane	3.6	UG/KG	ND	ND
trans-1,2-dichloroethene	3.5	UG/KG	ND	ND
1,2-dichloropropane	2.6	UG/KG	ND	ND
cis-1,3-dichloropropene	2.5	UG/KG	ND	ND
trans-1,3-dichloropropene	2.1	UG/KG	ND	ND
Ethylbenzene	1.4	UG/KG	3.0	4.9
Methylene chloride	3.5	UG/KG	5.1	66.1
1,1,2,2-tetrachloroethane	5.9	UG/KG	ND	ND
Tetrachloroethene	2.8	UG/KG	ND	ND
Toluene	1.2	UG/KG	69.2	134.0
1,1,1-trichloroethane	3.2	UG/KG	ND	ND
1,1,2-trichloroethane	2.8	UG/KG	ND	ND
Trichloroethene	2.6	UG/KG	ND	ND
Vinyl chloride	4.8	UG/KG	ND	ND
Halomethane Purgeable Cmpnds	6.9	UG/KG	0.0	0.0
Total Dichlorobenzenes	1.8	UG/KG	7.6	3.4
Purgeable Compounds	6.9	UG/KG	85.7	212.4

Additional volatile organic compounds determined;

Acetone	31.4	UG/KG	4790.0	8520.0
Allyl chloride	3.6	UG/KG	ND	ND
Benzyl chloride	4.3	UG/KG	ND	48.3
2-butanone	36.3	UG/KG	991.0	3490.0
Carbon disulfide	4.7	UG/KG	26.8	58.7
Chloroprene	3.1	UG/KG	ND	ND
1,2-dibromoethane	2.5	UG/KG	ND	ND
Isopropylbenzene	1.3	UG/KG	ND	3.6
Methyl Iodide	3.8	UG/KG	ND	ND
Methyl methacrylate	2.4	UG/KG	ND	ND
2-nitropropane	45.8	UG/KG	ND	ND
ortho-xylene	1.9	UG/KG	ND	5.6
Styrene	1.7	UG/KG	9.0	35.4
1,2,4-trichlorobenzene	979	UG/KG	ND	ND
meta,para xylenes	4.2	UG/KG	10.0	12.4
Trichlorofluoromethane	2.2	UG/KG	ND	ND
2-chloroethylvinyl ether	5.5	UG/KG	ND	ND
4-methyl-2-pentanone	9.7	UG/KG	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
 GRIT - Herbicides

From 01-JAN-2009 To 31-DEC-2009

Analyte	MDL	Units	PLR	PLR
			01-JUN-2009	02-NOV-2009
			P472808	P494018
2,4-dichlorophenoxyacetic acid	2.66	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

2009 POINT LOMA WASTEWATER TREATMENT PLANT ANNUAL REPORT

Raw Sludge Daily Average of 3 Shifts by Month

Month	pH	%Total Solids	%Total Volatile Solids
January	6.45	2.7	80.1
February	5.98	4.0	78.9
March	6.13	3.8	79.4
April	6.26	3.5	78.7
May	6.12	3.6	79.3
June	6.06	3.7	78.7
July	6.07	3.6	79.0
August	5.96	3.9	78.4
September	6.09	3.5	77.9
October	6.02	3.7	78.9
November	6.07	3.7	78.2
December	6.10	4.1	77.8
Averages	6.11	3.7	78.8

J. Digester and Digested Sludge Data Summary

Point Loma Wastewater Treatment Plant Annual Report
 Digesters
 Year: 2009

N1P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2009	7.08	1.9	57.6	2280	41	62.0	37.7
FEBRUARY -2009	7.16	2.0	58.4	2360	44	62.0	37.9
MARCH -2009	7.01	1.9	58.9	2490	54	62.2	37.7
APRIL -2009	6.99	2.0	59.0	2330	54	62.3	37.5
MAY -2009	6.98	2.0	58.6	2300	61	62.2	37.6
JUNE -2009	6.94	2.1	58.9	2100	46	62.1	37.7
JULY -2009	6.89	2.0	59.5	2010	49	62.2	37.4
AUGUST -2009	6.87	2.2	58.3	2000	50	62.2	37.5
SEPTEMBER-2009	6.83	2.2	59.2	1890	47	62.3	37.3
OCTOBER -2009	6.80	2.1	59.2	1880	46	62.2	37.5
NOVEMBER -2009	6.83	2.1	59.2	2060	50	62.1	37.6
DECEMBER -2009	6.84	2.2	58.1	2250	44	62.6	37.2
Average:	6.94	2.1	58.7	2163	49	62.2	37.6

N2P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2009	7.16	1.7	56.4	2830	50	62.2	37.7
FEBRUARY -2009	7.21	1.7	57.0	2700	50	62.1	37.8
MARCH -2009	7.10	1.8	57.3	2820	58	62.3	37.5
APRIL -2009	7.05	1.8	57.6	2630	56	62.4	37.4
MAY -2009	7.05	1.9	58.2	2390	62	62.3	37.6
JUNE -2009	7.01	2.1	58.8	2290	46	62.1	37.7
JULY -2009	6.98	1.9	59.0	2260	52	62.4	37.5
AUGUST -2009	6.95	2.0	58.3	2210	52	62.3	37.6
SEPTEMBER-2009	6.93	2.1	58.3	2110	49	62.4	37.4
OCTOBER -2009	6.95	2.0	58.1	2180	49	62.4	37.4
NOVEMBER -2009	6.96	2.2	56.9	2480	55	62.3	37.5
DECEMBER -2009	6.95	2.3	57.3	2340	45	62.7	37.1
Average:	7.03	2.0	57.8	2437	52	62.3	37.5

C1P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2009	7.09	2.0	57.7	2260	50	62.4	37.3	30
FEBRUARY -2009	7.15	2.0	58.3	2390	50	62.5	37.3	29
MARCH -2009	7.06	2.1	57.3	2520	60	62.6	37.2	32
APRIL -2009	7.02	2.0	58.8	2350	57	62.5	37.3	37
MAY -2009	6.99	2.1	59.2	2280	66	62.5	37.4	51
JUNE -2009	6.96	2.2	59.1	2060	47	57.5	38.9	31
JULY -2009	6.92	2.1	59.9	1990	52	62.4	37.5	39
AUGUST -2009	6.90	2.5	57.3	1990	51	62.5	37.3	35
SEPTEMBER-2009	6.87	2.3	59.5	1890	50	62.5	37.3	31
OCTOBER -2009	6.88	2.2	59.0	1920	50	62.5	37.4	32
NOVEMBER -2009	6.92	2.1	58.5	2130	53	62.3	37.5	32
DECEMBER -2009	6.95	2.2	57.4	2290	46	62.6	37.2	29
Average:	6.98	2.2	58.5	2173	53	62.1	37.5	34

Point Loma Wastewater Treatment Plant Annual Report
 Digesters
 Year: 2009

C2P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2009	7.08	1.8	58.5	2240	48	62.4	37.3
FEBRUARY -2009	7.13	1.9	58.4	2340	45	62.4	37.3
MARCH -2009	7.05	2.0	58.8	2430	62	62.5	37.3
APRIL -2009	7.00	2.0	59.3	2270	63	62.6	37.2
MAY -2009	6.99	2.0	59.3	2250	68	62.6	37.2
JUNE -2009	6.95	2.2	59.4	2040	46	62.4	37.4
JULY -2009	6.91	2.1	60.3	1940	58	62.6	37.2
AUGUST -2009	6.89	2.2	59.9	2000	55	62.6	37.3
SEPTEMBER-2009	6.86	2.3	60.0	1860	50	62.6	37.3
OCTOBER -2009	6.89	2.2	59.0	1910	48	62.6	37.2
NOVEMBER -2009	6.92	2.1	59.1	2090	56	62.6	37.3
DECEMBER -2009	6.96	2.2	57.9	2250	44	62.9	36.9
Average:	6.97	2.1	59.2	2135	54	62.6	37.2

S1P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2009	7.07	2.0	59.9	2160	46	62.4	37.3
FEBRUARY -2009	7.13	2.1	59.7	2290	46	62.4	37.3
MARCH -2009	7.02	2.2	59.4	2410	59	62.5	37.2
APRIL -2009	7.04	2.2	58.8	2350	56	62.6	37.2
MAY -2009	7.03	2.1	58.7	2340	63	62.6	37.2
JUNE -2009	6.99	2.4	58.1	2130	47	62.4	37.4
JULY -2009	6.96	2.4	57.1	2040	51	62.6	37.2
AUGUST -2009	6.93	2.6	56.3	2150	53	62.7	37.1
SEPTEMBER-2009	6.91	2.6	57.9	2060	50	62.5	37.3
OCTOBER -2009	6.91	2.5	58.0	2110	49	62.5	37.3
NOVEMBER -2009	6.93	2.7	57.5	2350	54	62.5	37.3
DECEMBER -2009	6.97	2.6	57.3	2440	48	62.8	37.0
Average:	6.99	2.4	58.2	2236	52	62.5	37.2

S2P

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2009	7.08	1.9	60.0	2150	46	62.4	37.3
FEBRUARY -2009	7.14	2.0	59.7	2270	48	62.4	37.3
MARCH -2009	7.05	2.1	59.7	2330	57	62.4	37.3
APRIL -2009	7.08	2.0	58.8	2390	57	62.7	37.1
MAY -2009	7.04	2.0	58.7	2340	63	62.6	37.2
JUNE -2009	7.01	2.1	58.4	2140	47	62.4	37.4
JULY -2009	6.98	2.0	59.4	2030	51	62.6	37.2
AUGUST -2009	6.95	2.3	58.0	2030	50	62.7	37.1
SEPTEMBER-2009	6.95	2.2	58.7	1960	49	62.7	37.0
OCTOBER -2009	6.93	2.2	58.9	2020	50	62.7	37.1
NOVEMBER -2009	6.95	2.2	58.5	2160	53	62.5	37.3
DECEMBER -2009	7.03	2.2	57.6	2310	45	62.9	36.9
Average:	7.02	2.1	58.9	2178	51	62.6	37.2

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DIG 7

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2009	7.18	1.9	55.7	2390	47	62.7	36.7
FEBRUARY -2009	7.24	1.8	57.6	2470	49	62.5	37.2
MARCH -2009	7.16	1.8	57.5	2600	57	62.6	37.2
APRIL -2009	7.14	1.9	57.7	2480	55	62.6	37.1
MAY -2009	7.11	1.8	57.6	2450	63	62.5	37.1
JUNE -2009	7.06	2.0	58.1	2220	48	62.4	37.2
JULY -2009	7.04	3.5	56.4	2130	52	62.6	37.1
AUGUST -2009	7.03	2.0	58.0	2140	52	62.6	37.1
SEPTEMBER -2009	7.00	2.1	58.4	2050	52	62.5	37.2
OCTOBER -2009	7.00	2.0	57.8	2070	49	62.6	37.1
NOVEMBER -2009	7.03	2.0	57.7	2250	54	62.6	37.1
DECEMBER -2009	7.08	2.1	56.8	2410	47	62.9	36.7
Average:	7.09	2.1	57.4	2305	52	62.6	37.1

DIG 8

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)
JANUARY -2009	7.14	1.7	57.2	2320	45	62.2	37.6
FEBRUARY -2009	7.18	1.9	58.1	2430	47	62.1	37.7
MARCH -2009	7.12	1.9	58.3	2540	58	62.3	37.5
APRIL -2009	7.07	1.9	58.8	2330	55	62.5	37.4
MAY -2009	7.04	2.0	59.2	2280	64	62.2	37.5
JUNE -2009	7.00	2.1	59.1	2070	45	62.2	37.6
JULY -2009	6.97	2.0	59.3	1980	50	62.5	37.3
AUGUST -2009	6.96	2.1	58.9	1980	51	62.3	37.4
SEPTEMBER -2009	6.93	2.2	59.1	1880	47	62.3	37.5
OCTOBER -2009	6.94	2.1	59.0	1930	46	62.4	37.4
NOVEMBER -2009	6.96	2.1	58.8	2110	52	62.3	37.4
DECEMBER -2009	7.01	2.2	57.7	2250	44	62.7	37.0
Average:	7.03	2.0	58.6	2175	50	62.3	37.4

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