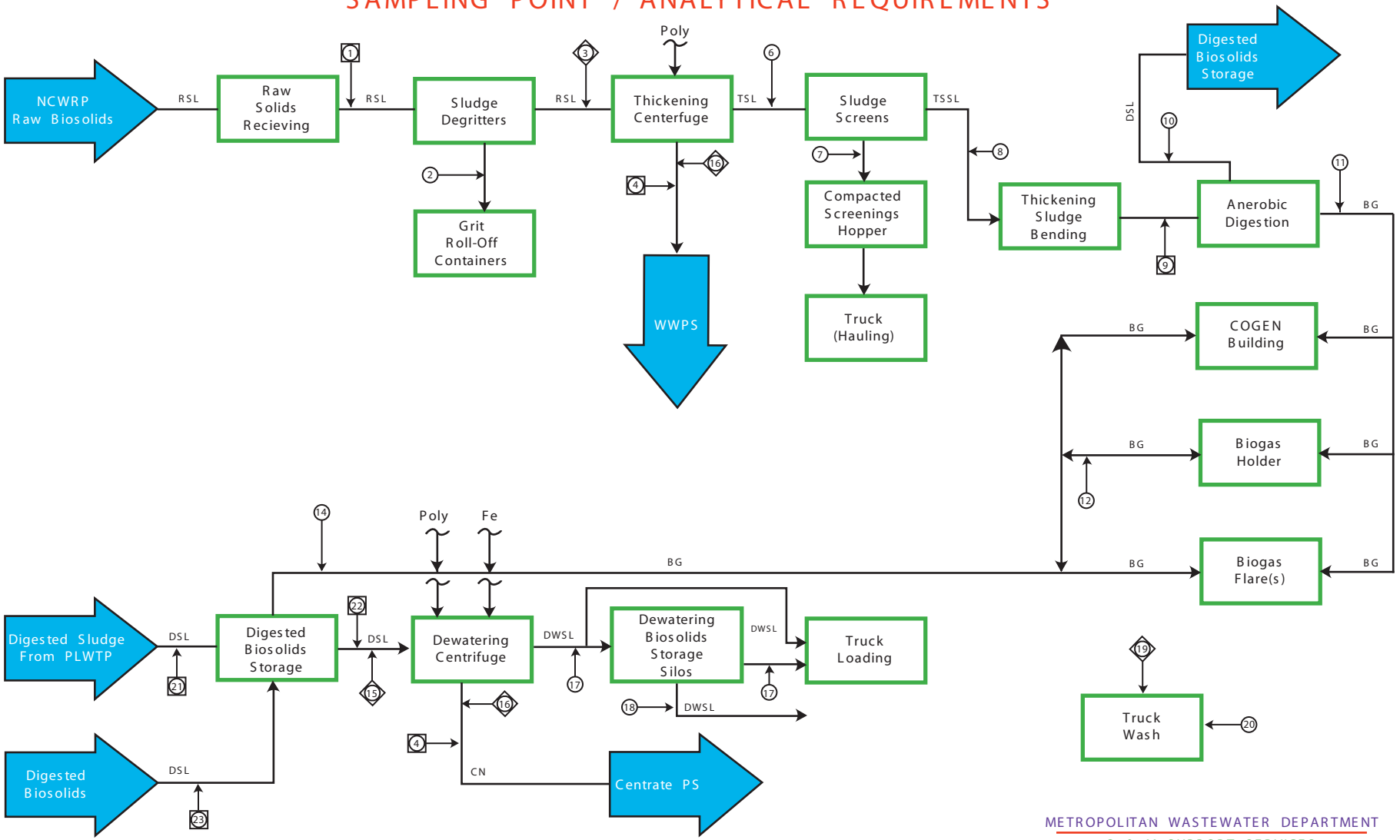
IV. Metro Biosolids Center (MBC) Data

A. Return Stream Data Summary
B Digester and Digested Sludge Data Summary
C Gas Production
D. Chemical usage
E Graphs of chemical usage
F. Facilities Out-of-service Report (2002)
G. Solids Handling Annual Report
H. Results of "Title 22" Sludge Hazardous Waste Tests

Metro Biosolids Center

METROPOLITAN BIOSOLIDS CENTER
PROCESS FLOW DIAGRAM
SAMPLING POINT / ANALYTICAL REQUIREMENTS



METROPOLITAN WASTEWATER DEPARTMENT
O & M SUPPORT SERVICES

GRAB SAMPLER
AUTOSAMPLER
ANALYZER/METER

LOCATION	DESCRIPTION
1	Raw Solids Sampler (73 AU 9040): Volatile Solids, Total Solids, pH, Alkilinity
2	Grit: Volitile Solids, % Moisture
3	Thickened Sludge Feed Loop (76 DE 2140): Total Solids, Volatile
4	Centrate (Dewatering & Thickening) Sampler (76 AU 2635): Total
5	Suspended Solids, pH, BOD_5
6	Thickened Biosolids: Total Solids, Volatile Solids, pH
7	Sludge Screening: Volitile Solids, % Moisture
8	Thickened Screen Sludge: Total Sludge, Volatile Solids
9	Thickened Sludge (73 AU 9050): Total Solids, Volatile Solids, Temperature, pH, Alkalinity, Volatile Acids, Iron
10	Anaerobically Digested Sludge: % Total Solids, % Volatile Solids, Temperature, pH, Alkalinity, Volatile Acids
11	Biogas from Digestion: Methane (CH_4), Carbon Dioxide (CO_2), Hydrogen Sulfide (H_2S)
12	Biogas to Biogas Holder: Methane (CH_4), Carbon Dioxide (CO_2), H_2S
13	Biogas from Digestion: Methane (CH_4), Carbon Dioxide (CO_2)
14	Dewatering Centrifuge Feed Loop (76 DE 2502): Total Solids
15	
16	Centrate (Dewatering & Thickening) Analyzers: Total Suspended Solids
17	Dewatered Biosolids: Total Solids, Volatile Solids, pH, TKN, PCB, Trace Metals
18	Dewatered Biosolids Cake: Total Solids, Volatile Solids, pH, TKN, PCB, Trace Metals
19	Truck Wash: (87 AIT 9011): CL_2 Residule
20	Truck Wash: BOD_5, Coliform
21	Digested Sludge from PLWTP (80 AU 9009): Total Solids, Volatile Solids, pH, Iron
22	Digested Sludge from DBST (80 AU 2115): Total Solids, Volatile Solids, pH
23	Digester Samplers: Digester#1 80 AU 9006, Digester#2 9007, Digester#3 9008 Total Solids, Volatile Solids, pH, Alkalinity, Iron

Revision Date: 02/11/04

A. Return Stream Data Summary

This section presents the results of analyses of the Metro Biosolids Center (MBC) return stream (MBC_COMBCN) for 2004. This return stream is continuously sampled by a flow proportioned, autosampler connected to the return stream lines at MBC. Each 24-hour[1] composite is collected and analyzed for pH, BOD, TSS, TVSS, TS, and TVS daily. An aliquot is preserved and added to a monthly (calendar month) composite for analysis of trace metals.

The data is presented in tables of monthly averages and select parameters' monthly averages are graphed. Tables of daily values for select parameters (such as TSS, Flow, etc.) along with graphs are also provided.

[1] approximately midnight to midnight each day.

City of San Diego
Metropolitan Wastewater Department

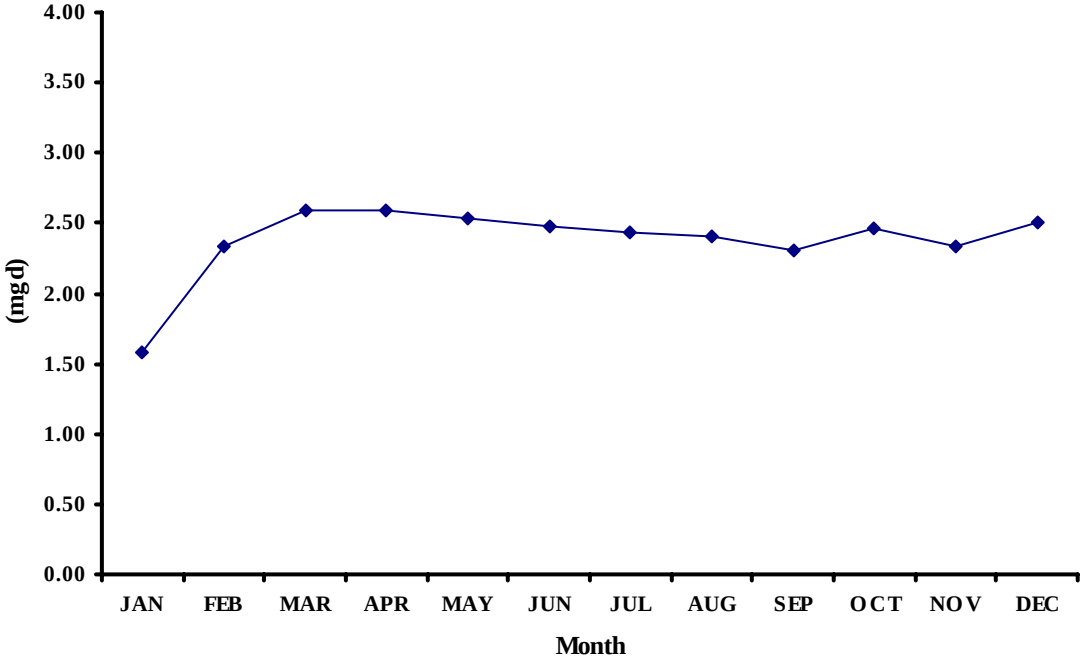
Metro Biosolids Center
Return Stream
Monthly Averages of Daily Analyses

From 01-JAN-2004 To 31-DEC-2004

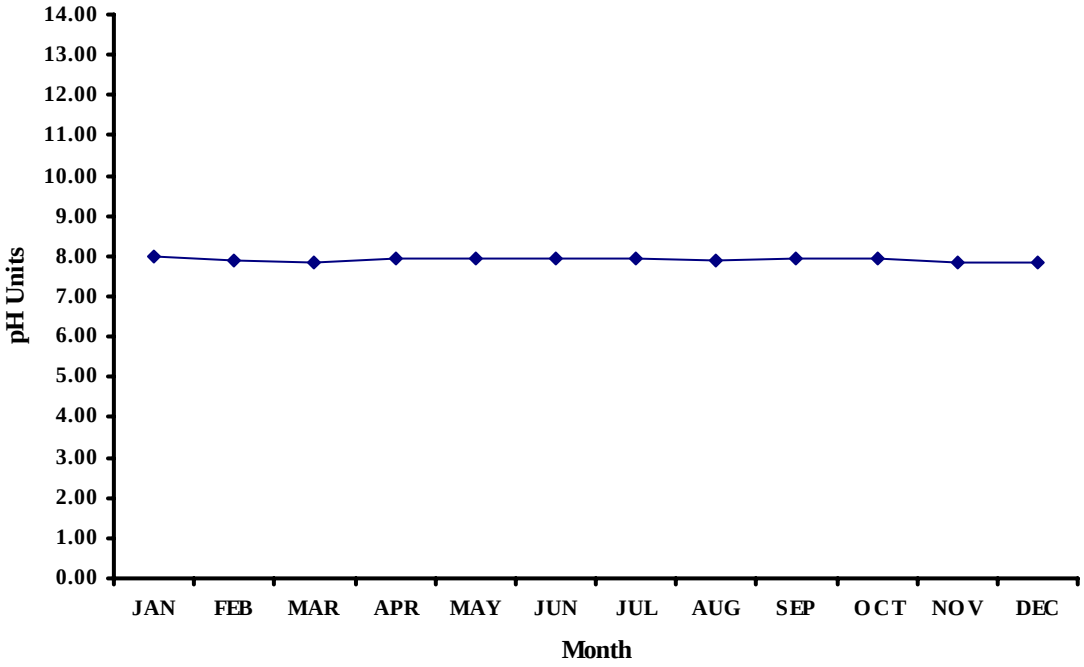
	FLOW	PH	BOD	TSS	VSS	TS	TVS	TSS Mass Emmissions
	MGD	pH Units	mg/L	mg/L	mg/L	Wt%	Wt%	(lbs/Day)
JANUARY -2004	1.58	7.98	348	907	567	0.28	37	11952
FEBRUARY -2004	2.33	7.89	326	538	386	0.23	35	10455
MARCH -2004	2.59	7.86	384	421	320	0.23	35	9094
APRIL -2004	2.59	7.94	605	502	384	0.22	37	10844
MAY -2004	2.54	7.92	489	724	539	0.24	38	15337
JUNE -2004	2.47	7.94	306	534	387	0.25	37	11000
JULY -2004	2.44	7.95	282	473	354	0.27	39	9625
AUGUST -2004	2.40	7.90	290	734	552	0.29	43	14692
SEPTEMBER-2004	2.31	7.93	332	771	549	0.29	42	14854
OCTOBER -2004	2.46	7.94	283	879	643	0.30	41	18034
NOVEMBER -2004	2.34	7.86	336	645	463	0.25	36	12588
DECEMBER -2004	2.50	7.82	425	644	477	0.27	38	13427
Average	2.38	7.91	367	648	468	0.26	38	12659

'Average' = Annual average of Monthly Averages.

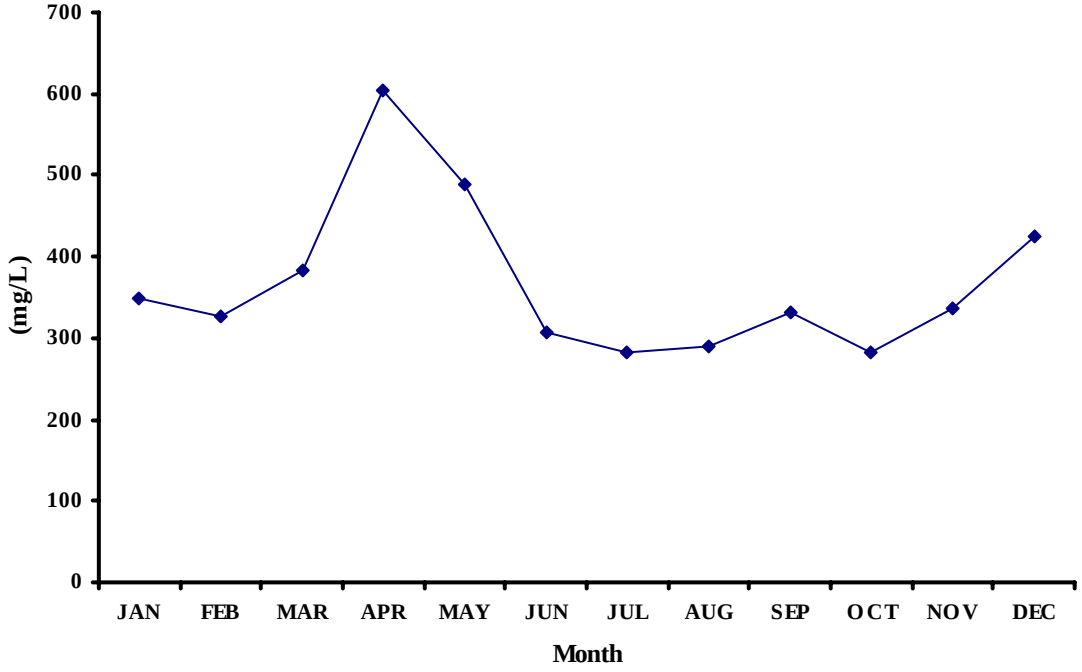
MBC Combined Centrate
2004 Monthly Averages - Flow (mgd)



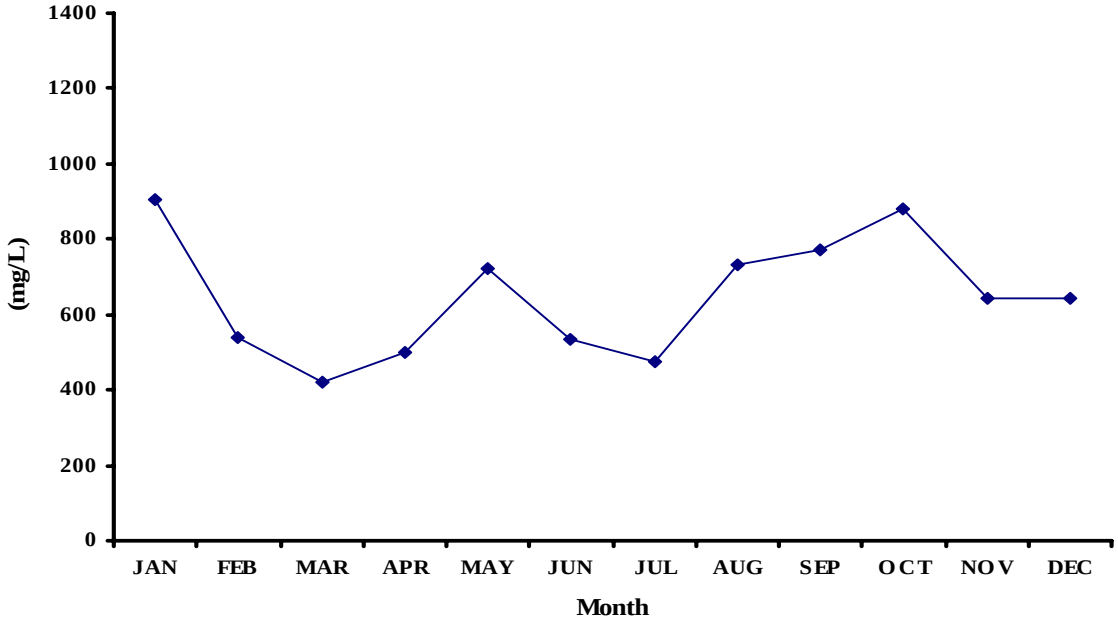
MBC Combined Centrate
2004 Monthly Averages - pH



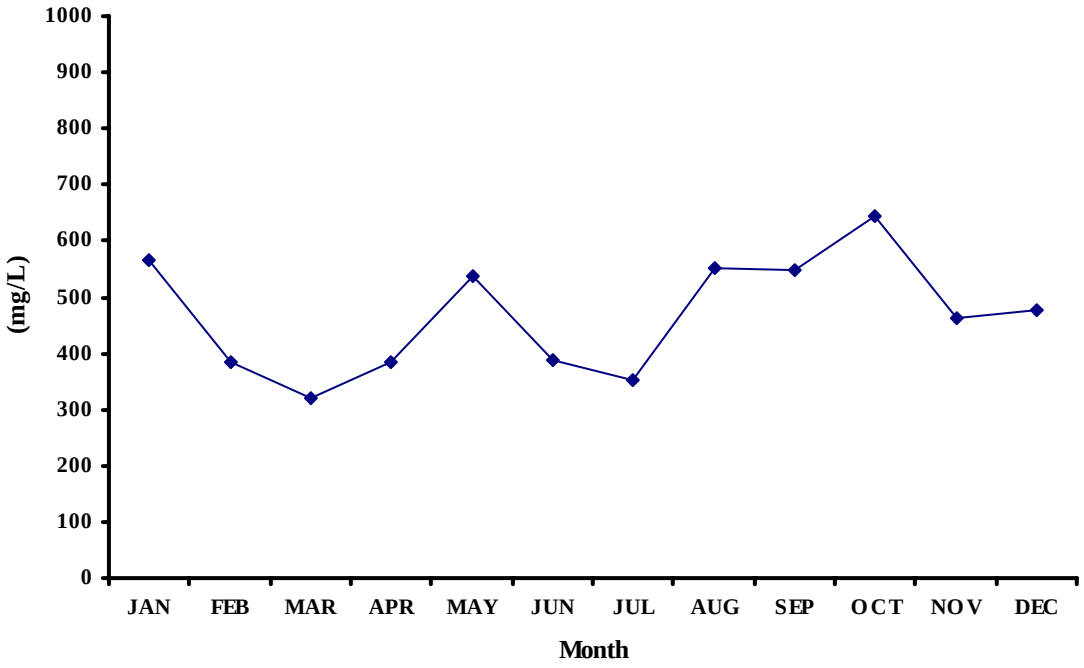
MBC Combined Centrate
2004 Monthly Averages - BOD (mg/L)



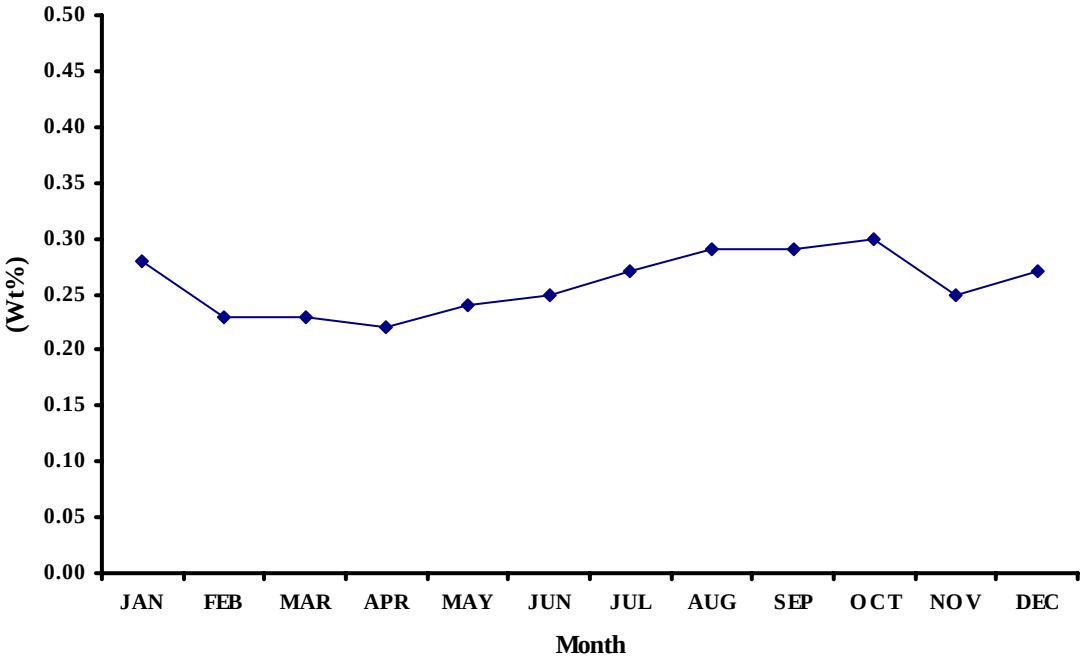
MBC Combined Centrate
2004 Monthly Averages - TSS (mg/L)



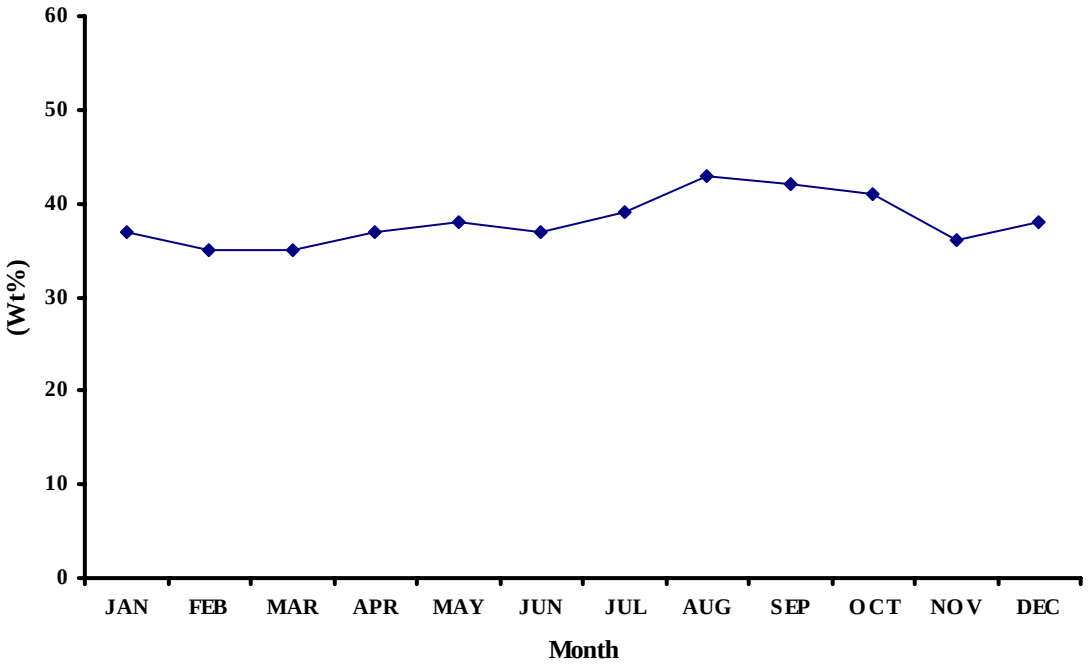
MBC Combined Centrate
2004 Monthly Averages - VSS (mg/L)



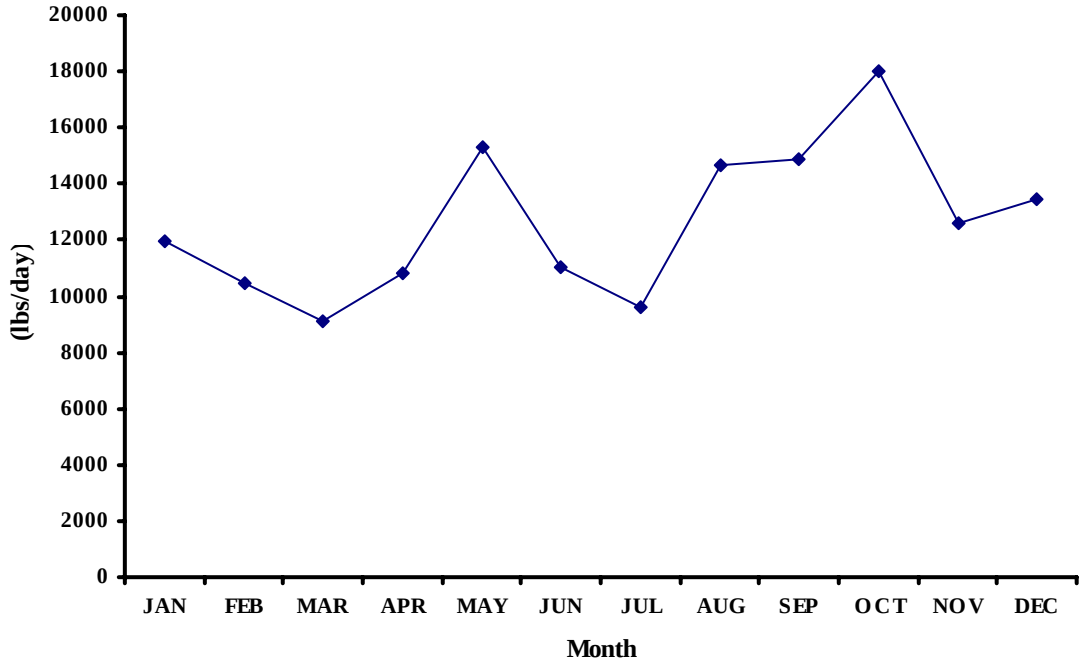
MBC Combined Centrate
2004 Monthly Averages - Percent TS



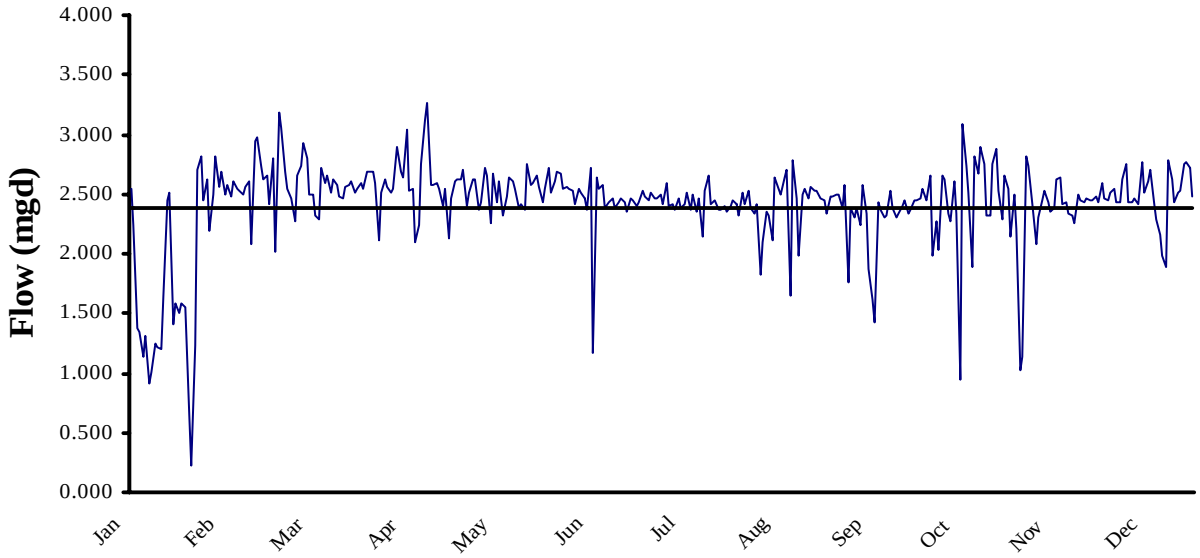
MBC Combined Centrate
2004 Monthly Averages - Percent TVS



MBC Combined Centrate
2004 Monthly Averages - TSS Mass Emission (lbs/day)



2004 MBC Return Stream Flow (mgd)



Metro Biosolids Center

2004 MBC Return Stream Daily Flows (mgd)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.474	1.584	2.419	2.545	2.606	2.725	2.425	2.449	2.343	2.451	2.152	2.587
2	2.678	1.559	2.793	2.688	2.630	2.510	2.534	2.410	2.486	2.466	2.498	2.460
3	2.715	0.640	2.012	2.682	2.631	2.602	2.483	2.323	2.484	2.540	2.211	2.452
4	1.743	0.228	3.186	2.682	2.697	2.683	2.442	2.511	2.490	2.446	1.018	2.507
5	1.121	1.232	3.060	2.589	2.393	2.680	2.506	2.416	2.490	2.659	1.142	2.548
6	1.378	2.711	2.684	2.111	2.508	2.541	2.457	2.532	2.390	1.979	2.809	2.435
7	1.062	2.813	2.537	2.510	2.618	2.555	2.459	2.391	2.580	2.265	2.740	2.427
8	0.978	2.442	2.468	2.629	2.629	2.536	2.500	2.341	1.766	2.031	2.422	2.629
9	0.903	2.622	2.270	2.563	2.373	2.532	2.415	2.421	2.385	2.654	2.072	2.748
10	1.189	2.197	2.657	2.514	2.427	2.413	2.590	1.818	2.297	2.626	2.306	2.440
11	1.198	2.495	2.736	2.550	2.724	2.546	2.405	2.104	2.379	2.341	2.445	2.431
12	1.188	2.820	2.924	2.903	2.660	2.507	2.412	2.355	2.239	2.267	2.532	2.465
13	1.354	2.555	2.804	2.690	2.264	2.458	2.374	2.320	2.581	2.603	2.429	2.410
14	2.480	2.681	2.497	2.645	2.667	2.374	2.460	2.120	2.339	2.328	2.352	2.762
15	2.545	2.492	2.497	3.032	2.434	2.722	2.391	2.634	1.867	0.938	2.387	2.505
16	2.238	2.581	2.317	2.535	2.608	1.164	2.417	2.539	1.621	3.082	2.624	2.607
17	1.374	2.472	2.296	2.544	2.325	2.633	2.506	2.489	1.424	2.741	2.641	2.707
18	1.339	2.606	2.714	2.103	2.479	2.551	2.370	2.635	2.431	2.505	2.418	2.412
19	1.140	2.538	2.587	2.239	2.642	2.569	2.488	2.707	2.372	1.886	2.429	2.280
20	1.318	2.533	2.658	2.744	2.610	2.376	2.358	1.655	2.312	2.824	2.339	2.163
21	0.916	2.499	2.507	3.120	2.550	2.435	2.467	2.782	2.325	2.670	2.313	1.990
22	1.010	2.556	2.624	3.260	2.381	2.470	2.139	2.457	2.521	2.895	2.259	1.881
23	1.243	2.615	2.569	2.577	2.412	2.378	2.531	1.991	2.381	2.751	2.501	2.790
24	1.218	2.075	2.476	2.573	2.367	2.430	2.653	2.492	2.302	2.315	2.448	2.626
25	1.197	2.951	2.462	2.587	2.745	2.471	2.417	2.538	2.333	2.319	2.428	2.425
26	1.642	2.982	2.563	2.542	2.572	2.439	2.446	2.469	2.408	2.746	2.465	2.519
27	2.448	2.739	2.579	2.400	2.590	2.354	2.361	2.552	2.456	2.887	2.451	2.531
28	2.519	2.629	2.616	2.546	2.651	2.465	2.371	2.527	2.339	2.530	2.446	2.757
29	1.404	2.651	2.509	2.133	2.567	2.442	2.398	2.535	2.373	2.283	2.474	2.769
30	1.577		2.547	2.468	2.425	2.394	2.353	2.458	2.446	2.656	2.438	2.721
31	1.511		2.591		2.537		2.401	2.448		2.544		2.483
Avg	1.584	2.316	2.586	2.590	2.539	2.465	2.436	2.401	2.305	2.459	2.340	2.499
Min	0.903	0.228	2.012	2.103	2.264	1.164	2.139	1.655	1.424	0.938	1.018	1.881
Max	2.715	2.982	3.186	3.260	2.745	2.725	2.653	2.782	2.581	3.082	2.809	2.790

POINT LOMA WASTEWATER TREATMENT PLANT
METRO BIOSOLIDS CENTER
ANNUAL SLUDGE CENTRATE COMPOSITES
Trace Metals

From: 01-JAN-2004 to: 31-DEC-2004

SAMPLED BY: MBC Personnel
SAMPLED BY: BOA,G8C.JRF,IEN,LXP,DXS,JRV,SCV,JZI

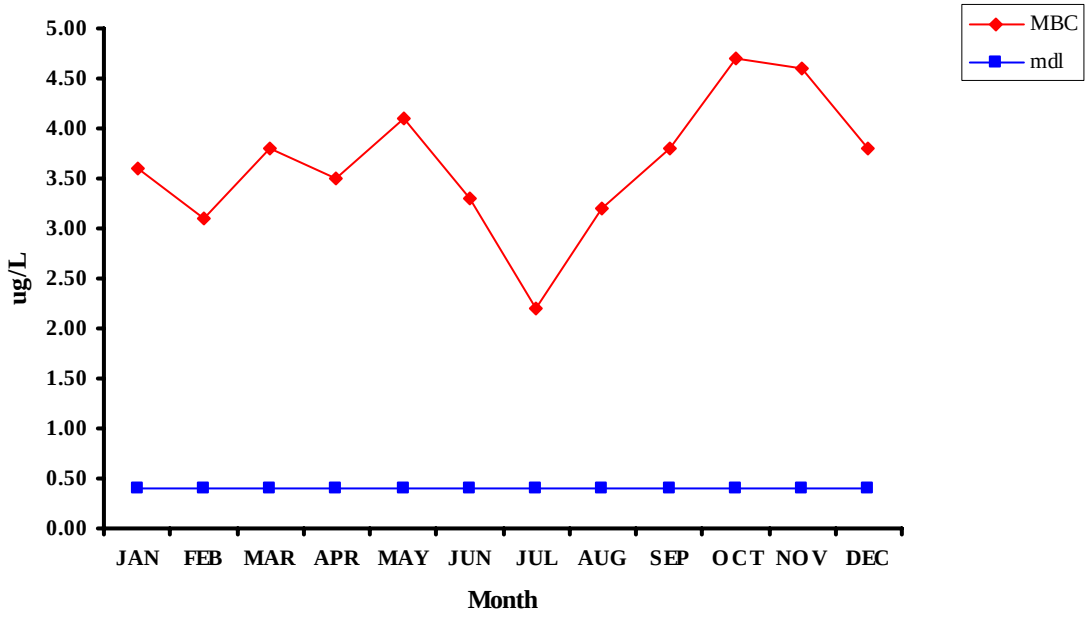
Source:			MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:			31-JAN-2004	29-FEB-2004	31-MAR-2004	30-APR-2004	31-MAY-2004	30-JUN-2004
Sample ID:			P245712its	P248487	P251977	P255808	P258922	P262256
Aluminum	50	UG/L	2970	1610	1360	2110	3230	1570
Antimony	23	UG/L	41.0	24.0	ND	ND	ND	ND
Arsenic	.4	UG/L	3.6	3.1	3.8	3.5	4.1	3.3
Barium	10	UG/L	195	112	114	135	180	121
Beryllium	.39	UG/L	ND	ND	ND	ND	ND	ND
Cadmium	1	UG/L	ND	ND	ND	ND	ND	0.2
Chromium	5	UG/L	8	24	ND	<5	ND	6
Cobalt	4	UG/L	8.0	ND	ND	ND	ND	4.2
Copper	4	UG/L	201	154	122	148	218	194
Iron	30	UG/L	31200	17700	24900	24600	30500	29300
Lead	18	UG/L	ND	<18	ND	ND	ND	2
Manganese	4	UG/L	350	467	708	736	560	381
Mercury	.09	UG/L	1.29	1.79	0.29	0.25	0.33	0.30
Molybdenum	3	UG/L	<3.0	5.6	ND	7.1	5.7	9.2
Nickel	14	UG/L	24	27	18	ND	24	23
Selenium	.28	UG/L	4.02	3.35	2.58	3.17	3.56	2.73
Silver	6.6	UG/L	10	ND	ND	ND	10	1
Thallium	40	UG/L	ND	ND	ND	ND	ND	ND
Vanadium	7	UG/L	15.5	ND	10.5	<7.0	<7.0	8.5
Zinc	4	UG/L	206	132	128	167	239	158

Source:			MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:			31-JUL-2004	31-AUG-2004	30-SEP-2004	31-OCT-2004	30-NOV-2004	31-DEC-2004
Sample ID:			P266274its	P270290	P273637	P277889	P281089	P284309
Aluminum	50	UG/L	1620	3960	3820	3380	2320	2030
Antimony	23	UG/L	ND	1.7	2.4	1.5	1.3	3.0
Arsenic	.4	UG/L	2.2	3.2	3.8	4.7	4.6	3.8
Barium	10	UG/L	122	248	223	222	175	166
Beryllium	.39	UG/L	ND	0.08	0.06	0.08	ND	ND
Cadmium	1	UG/L	0.4	1.2	0.9	1.1	0.4	0.4
Chromium	5	UG/L	6	13	14	19	12	10
Cobalt	4	UG/L	4.1	4.5	4.3	4.2	3.9	3.6
Copper	4	UG/L	193	307	268	294	190	179
Iron	30	UG/L	27000	42700	49800	46300	39800	40400
Lead	18	UG/L	5	13	10	11	4	5
Manganese	4	UG/L	418	435	491	560	592	707
Mercury	.09	UG/L	0.22	0.45	0.49	0.45	0.25	0.29
Molybdenum	3	UG/L	8.6	13.9	12.3	13.3	9.0	8.2
Nickel	14	UG/L	24	30	24	26	25	24
Selenium	.28	UG/L	2.81	3.66	4.10	4.15	2.74	3.43
Silver	6.6	UG/L	4	9	8	8	ND	ND
Thallium	40	UG/L	ND	ND	ND	ND	2	ND
Vanadium	7	UG/L	7.6	20.9	14.9	11.3	6.8	4.9
Zinc	4	UG/L	147	348	340	328	182	164

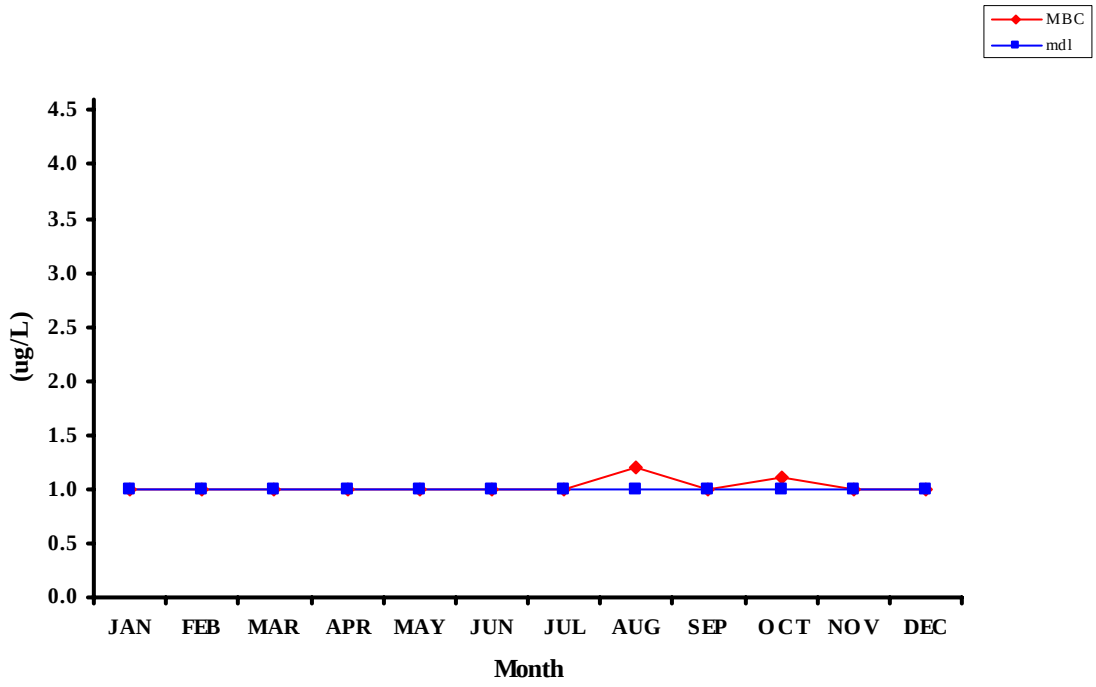
ND= Not Detected
NA= Not Analyzed
NS= Not Sampled
NR= Not Required

MBC_COMBCN = Metro Biosolids Center Combined Sludge Centrate.

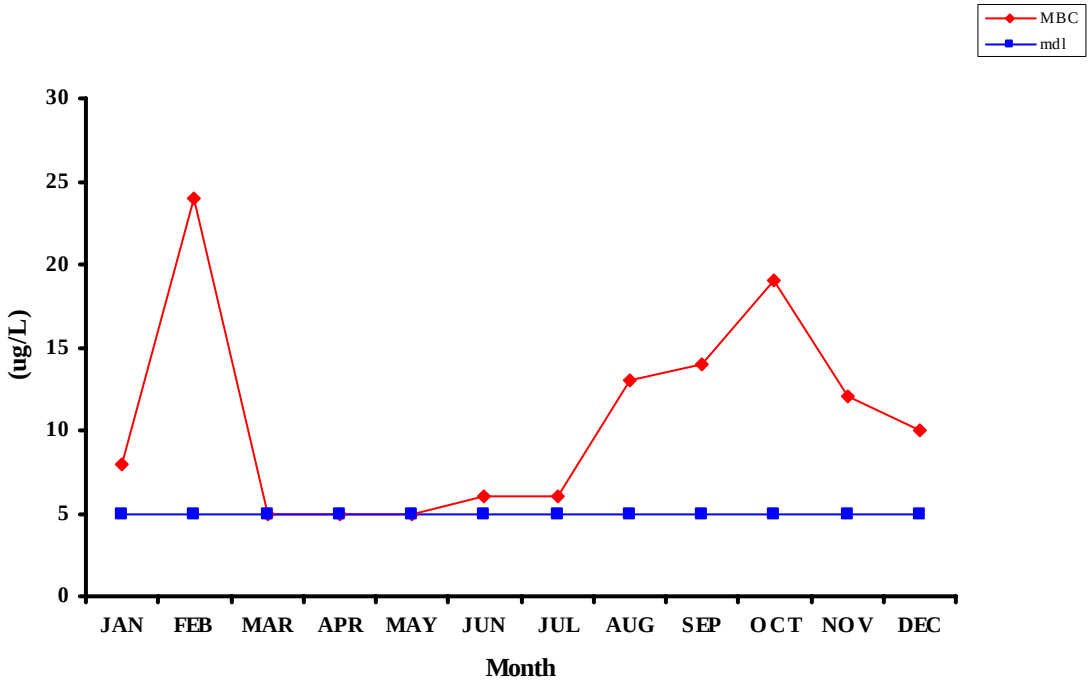
Arsenic
2004 Monthly Averages



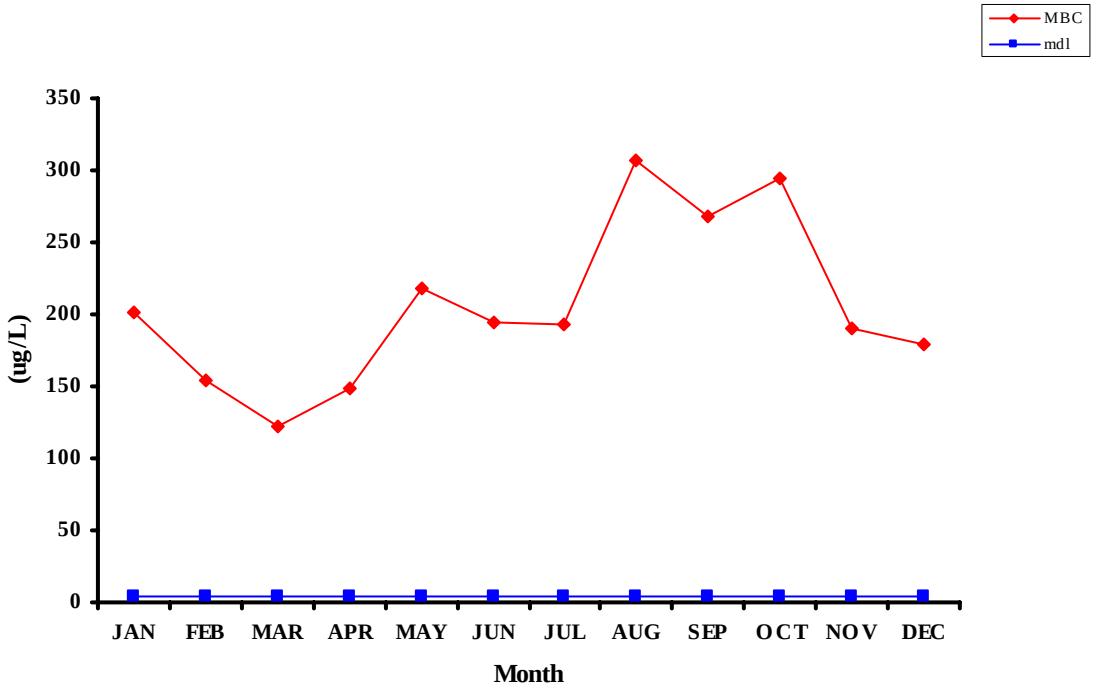
Cadmium
2004 Monthly Averages



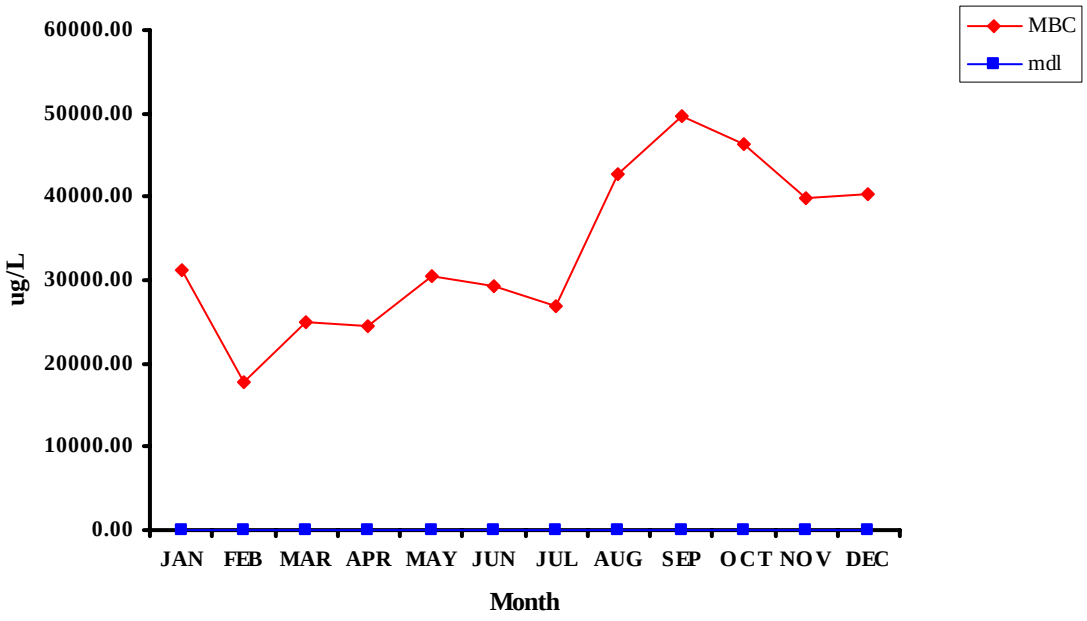
Chromium
2004 Monthly Averages



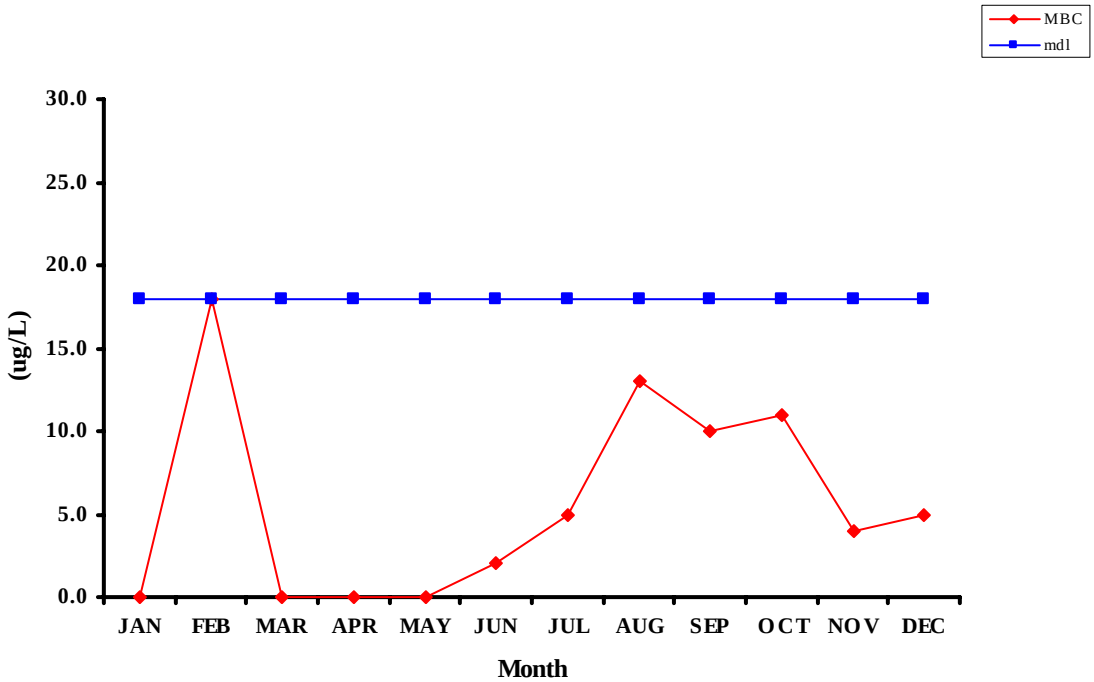
Copper
2004 Monthly Averages



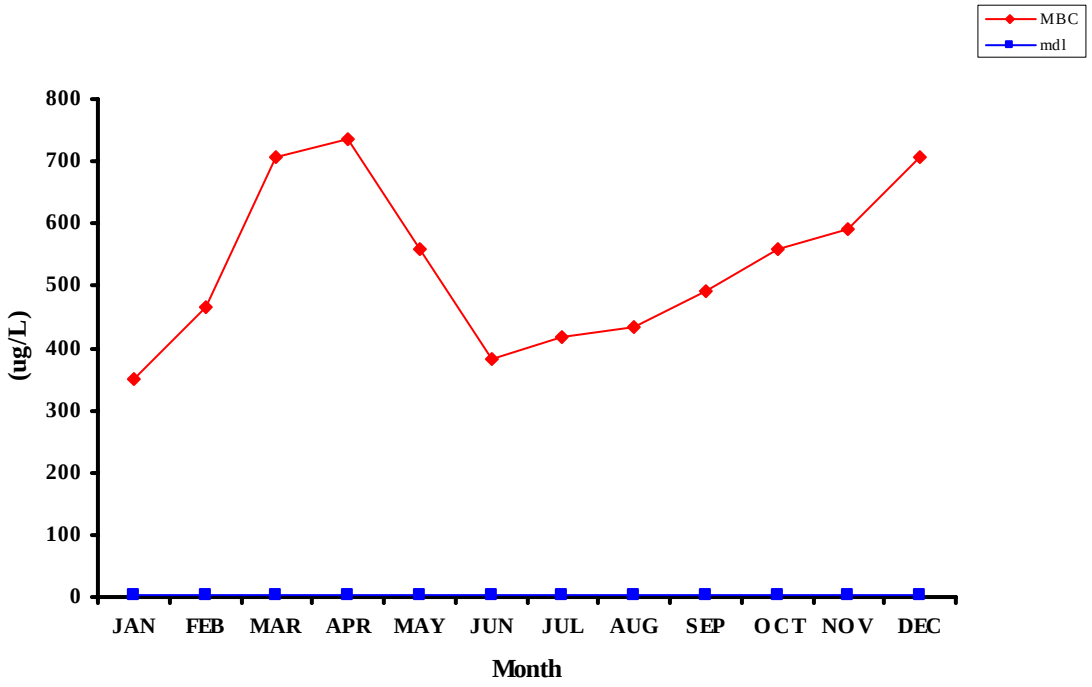
Iron
2004 Monthly Averages



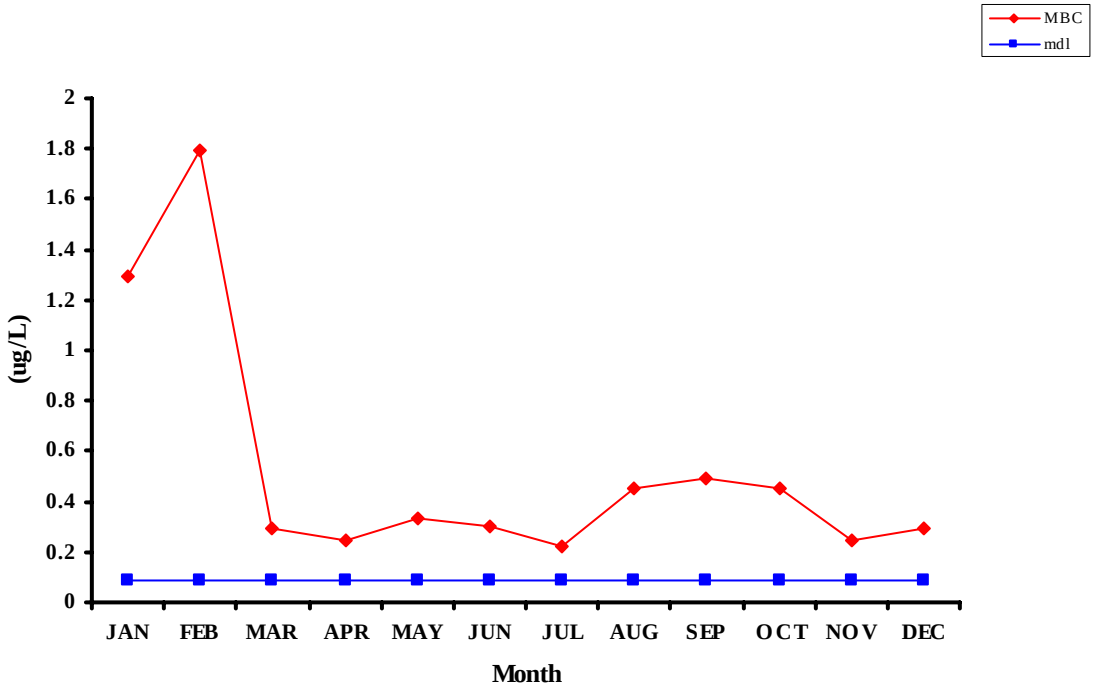
Lead
2004 Monthly Averages



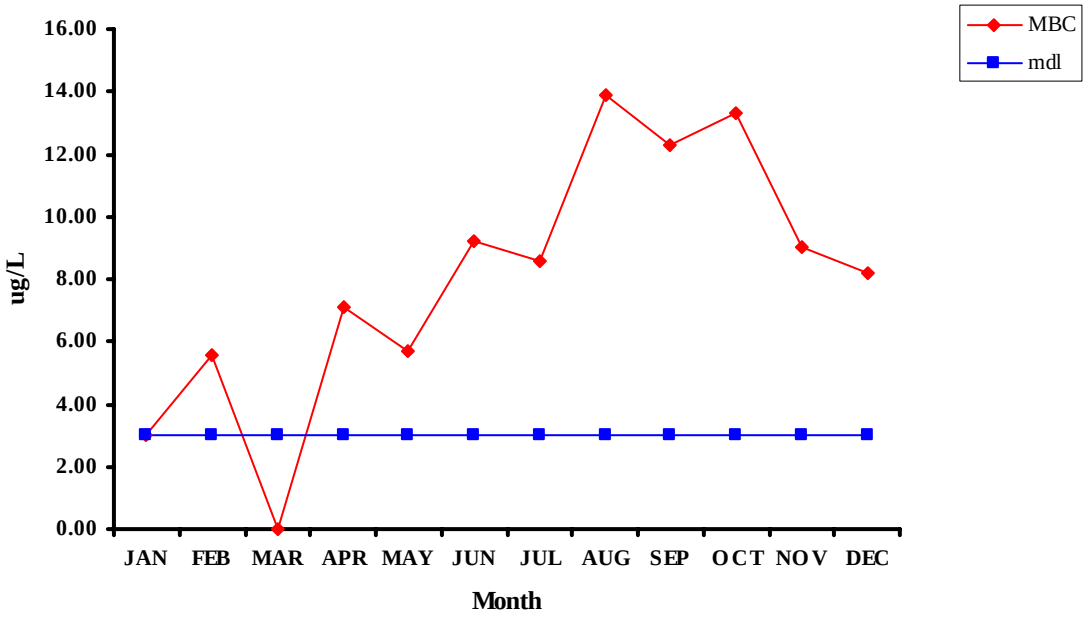
Manganese
2004 Monthly Averages



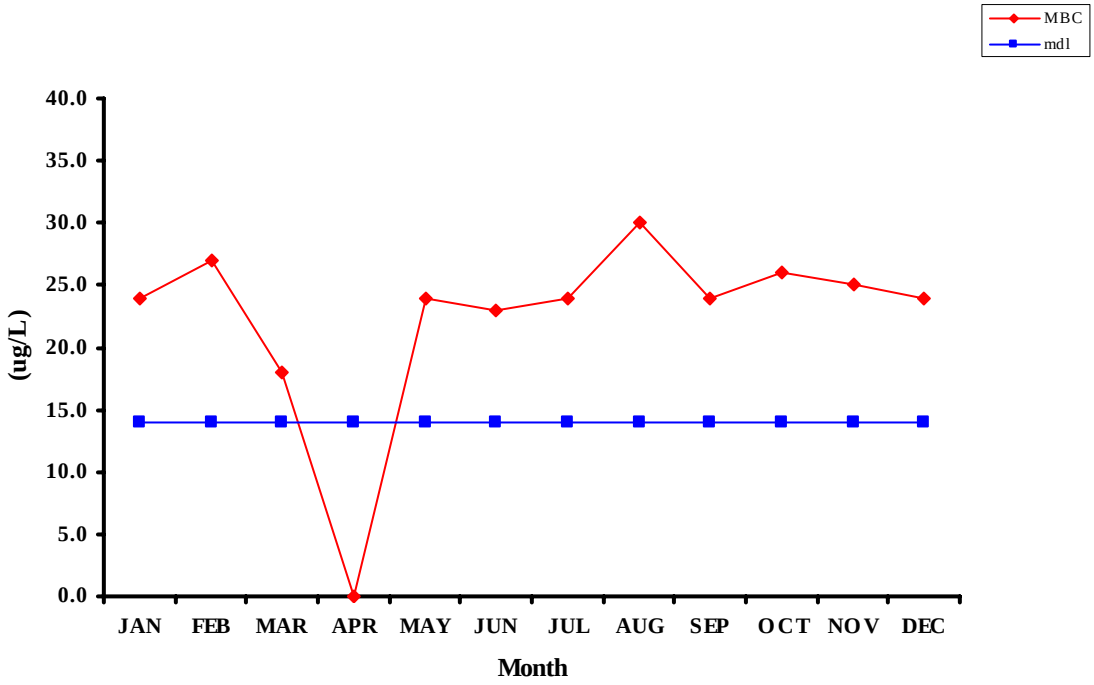
Mercury
2004 Monthly Averages



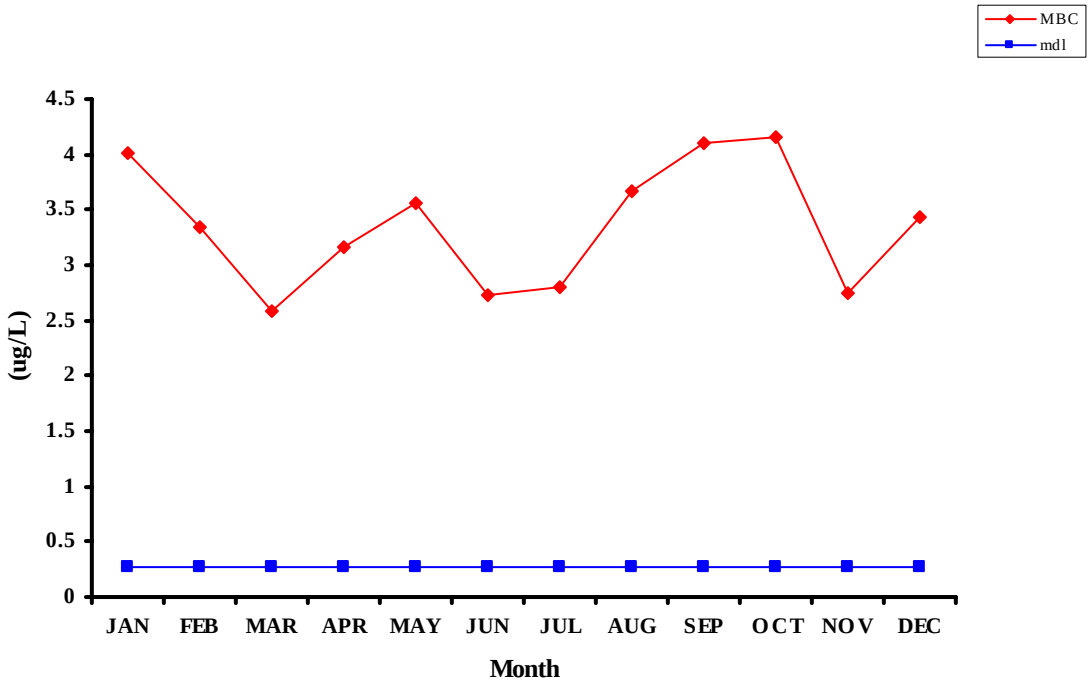
Molybdeum
2004 Monthly Averages



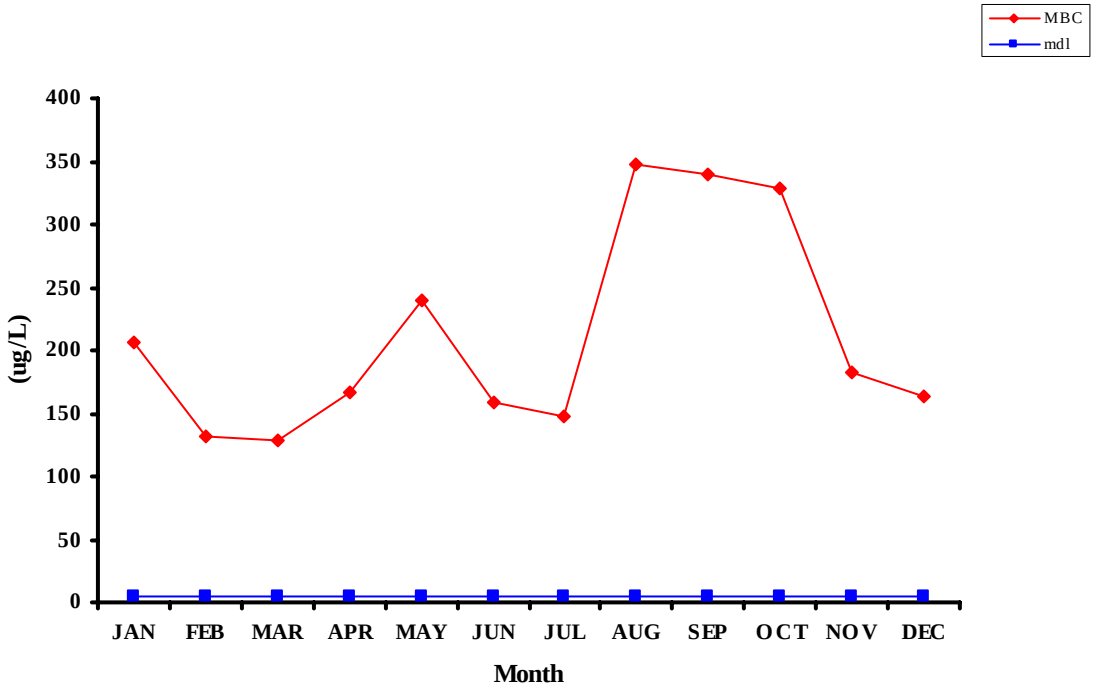
Nickel
2004 Monthly Averages



Selenium
2004 Monthly Averages



Zinc
2004 Monthly Averages



B. MBC Digester and Digested Sludge Data Summary

Metro Biosolids Center Annual Report
Digesters - 2004

Digester 1

	pH	Total Solids (%)	Volatile Solids (%)	Alkal-inity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2004	7.28	2.0	64.8	2550	117	58.0	42.0	21
FEBRUARY -2004	7.25	2.2	64.0	2650	128	59.5	40.5	27
MARCH -2004	7.32	2.3	66.9	2820	85	59.0	41.0	28
APRIL -2004	7.24	5.0	66.8	2620	92	59.3	40.7	25
MAY -2004	7.19	2.5	69.0	2420	79	59.8	40.2	24
JUNE -2004	7.16	2.7	67.0	2400	85	60.1	39.9	22
JULY -2004	7.19	2.7	66.6	2440	81	60.1	39.9	24
AUGUST -2004	7.20	2.7	65.6	2380	85	60.2	39.8	22
SEPTEMBER-2004	7.20	2.6	65.3	2340	79	60.5	39.5	18
OCTOBER -2004	7.13	2.7	65.3	2220	78	60.1	39.9	16
NOVEMBER -2004	7.15	2.5	65.5	2140	83	59.7	40.3	14
DECEMBER -2004	7.22	2.5	68.4	2500	95	60.4	39.6	16
Average:	7.21	2.7	66.3	2457	91	59.7	40.3	21

Digester 2

	pH	Total Solids (%)	Volatile Solids (%)	Alkal-inity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2004	OUT OF SERVICE							
FEBRUARY -2004								
MARCH -2004								
APRIL -2004								
MAY -2004								
JUNE -2004								
JULY -2004								
AUGUST -2004								
SEPTEMBER-2004								
OCTOBER -2004								
NOVEMBER -2004								
DECEMBER -2004								
	*	*	*	*	*	*	*	*

Digester 3

	pH	Total Solids (%)	Volatile Solids (%)	Alkal-inity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2004	OUT OF SERVICE							
FEBRUARY -2004								
MARCH -2004								
APRIL -2004								
MAY -2004								
JUNE -2004								
JULY -2004								
AUGUST -2004								
SEPTEMBER-2004								
OCTOBER -2004								
NOVEMBER -2004								
DECEMBER -2004								
	*	*	*	*	*	*	*	*

C. Gas Production

Metro Biosolids Center

Gas Report -2003

Daily Monthly Averages

	GAS PRODUCTION (x1000 Cu. Ft.)				GAS CONSUMPTION (x1000 Cu. Ft.)		
Month	DIG 1	DIG 2	DIG 3	Total Gas Production	GAS FLARES	GAS COGENERATION	Total Gas Consumption
01	81,987.3			81,987.3	38,296	89,588	127,883
02	222,242.4			222,242.4	5,629	294,743	300,372
03	249,625.3			249,625.3	1,190	340,720	341,910
04	249,119.0			249,119.0	84,348	248,866	333,214
05	239,514.5			239,514.5	8,150	339,071	347,222
06	230,095.9			230,095.9	1,119	343,624	344,743
07	226,653.2			226,653.2	987	340,046	341,033
08	196,342.5			196,342.5	9,800	300,416	310,216
09	180,577.6			180,577.6	144	297,692	297,836
10	175,167.6			175,167.6	3,467	302,567	306,035
11	164,112.8			164,112.8	1,099	275,959	277,058
12	187,971.1			187,971.1	201,382	52,152	253,534
avg	200,284.1			200,284.1	29,634	268,787	298,421

Monthly Totals

	GAS PRODUCTION (x1000 Cu. Ft.)				GAS CONSUMPTION (x1000 Cu. Ft.)		
Month	DIG 1	DIG 2	DIG 3	Total Gas Production	Gas Flares	Gas Cogeneration	Total Gas Consumption
01	2,541,607.0			2,541,607.0	1,187,163	2,777,213	3,964,376
02	6,445,030.0			6,445,030.0	163,251	8,547,536	8,710,787
03	7,738,385.0			7,738,385.0	36,904	10,562,321	10,599,225
04	7,473,569.0			7,473,569.0	2,530,442	7,465,992	9,996,434
05	7,424,951.0			7,424,951.0	252,657	10,511,210	10,763,867
06	6,902,877.0			6,902,877.0	33,564	10,308,725	10,342,289
07	7,026,248.0			7,026,248.0	30,599	10,541,414	10,572,013
08	6,086,618.0			6,086,618.0	303,814	9,312,883	9,616,697
09	5,417,327.0			5,417,327.0	4,322	8,930,764	8,935,086
10	5,430,195.0			5,430,195.0	107,491	9,379,582	9,487,073
11	4,923,383.0			4,923,383.0	32,971	8,278,773	8,311,744
12	5,827,103.0			5,827,103.0	6,242,840	1,616,720	7,859,560
avg	6,103,107.8			6,103,107.8	910,502	8,186,094	9,096,596
sum	73,237,293.0			73,237,293.0	10,926,018	98,233,133	109,159,151

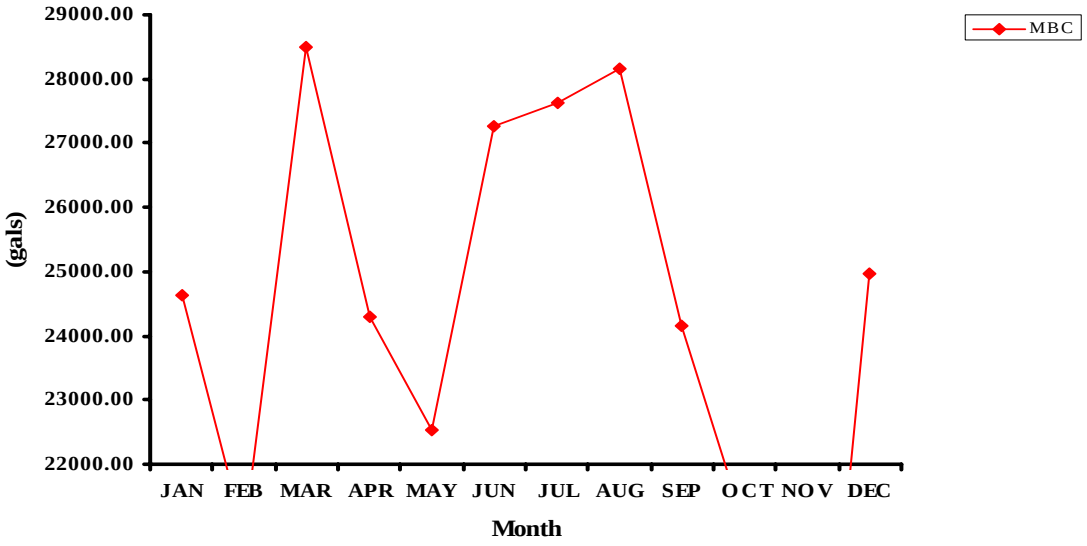
D. Chemical Usage

Metro Biosolids Center - Monthly Chemical Usage Report - 2004

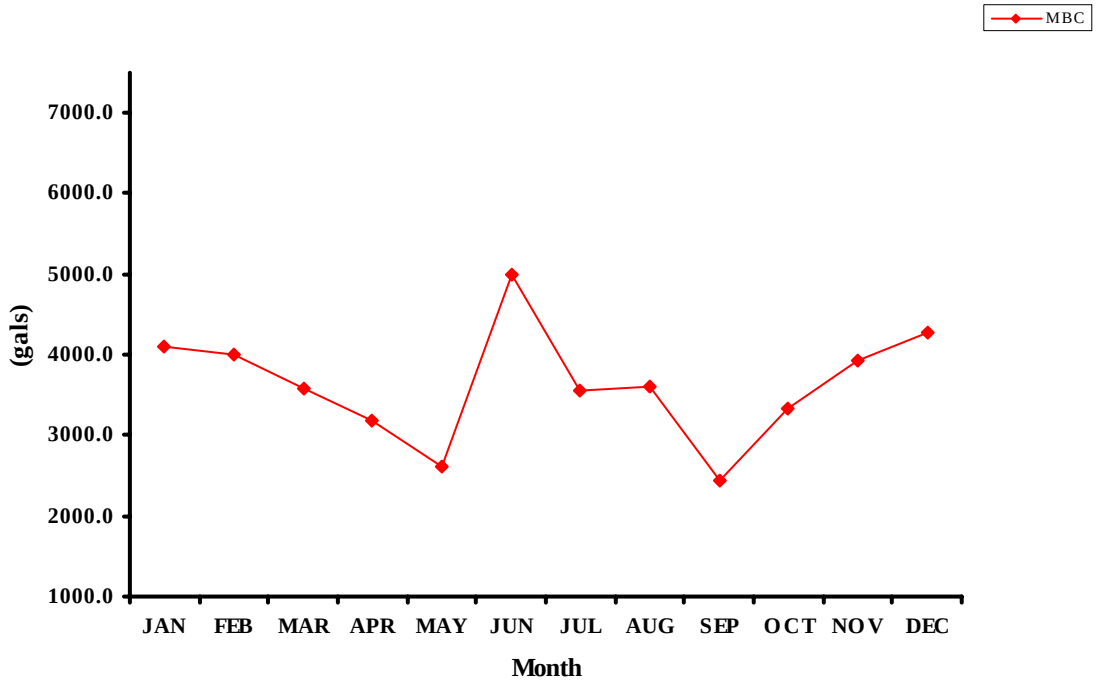
MON	Polymer Gallons	Ferric Chloride Gallons	Ferrous Chloride Gallons	Sodium Hydroxide Gallons	Hypochlorite Gallons	Sulfuric Acid Gallons
01	147,869	24,631		4,091	6,380	0
02	142,097	20,919		4,004	4,622	0
03	157,341	28,506		3,585	5,533	0
04	155,090	24,300		3,183	4,739	0
05	166,447	22,536		2,610	4,077	0
06	156,520	27,267		5,004	4,544	0
07	159,868	27,619		3,544	5,734	0
08	166,369	28,156		3,608	5,005	0
09	159,109	24,146		2,446	5,460	0
10	182,176	21,004		3,324	4,511	0
11	158,855	15,061		3,937	4,104	0
12	168,353	24,957		4,273	3,570	0
avg	160,008	24,092		3,634	4,857	0
sum	1,920,095	289,103		43,608	58,279	0

E. Graphs of Monthly Chemical Usage

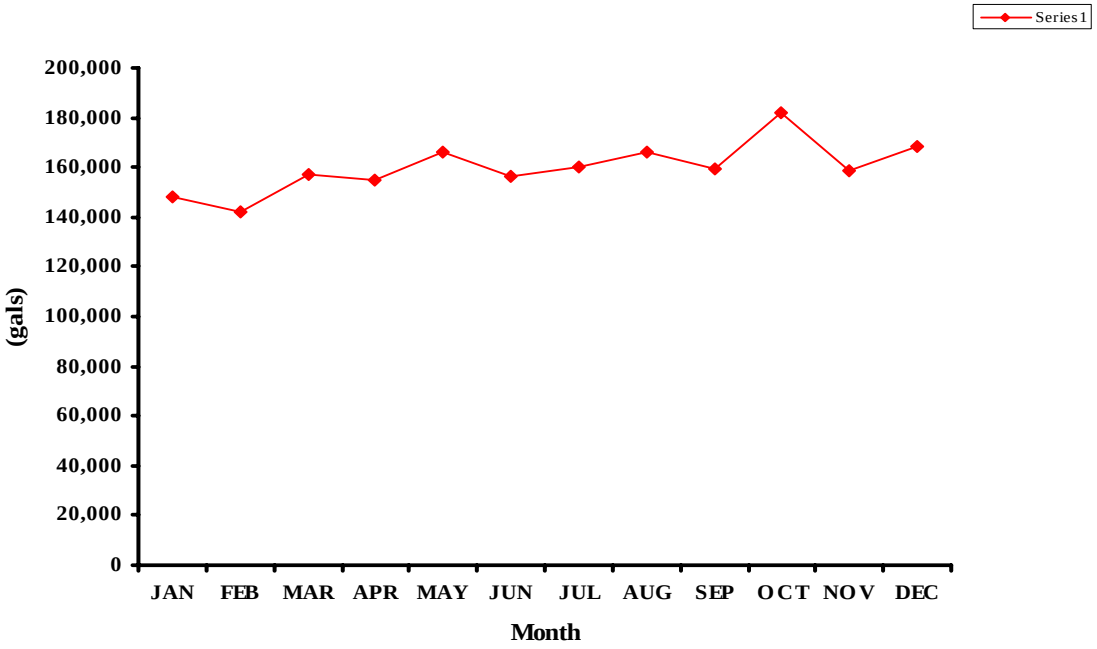
Ferric Chloride
2004 Monthly Chemical Usage



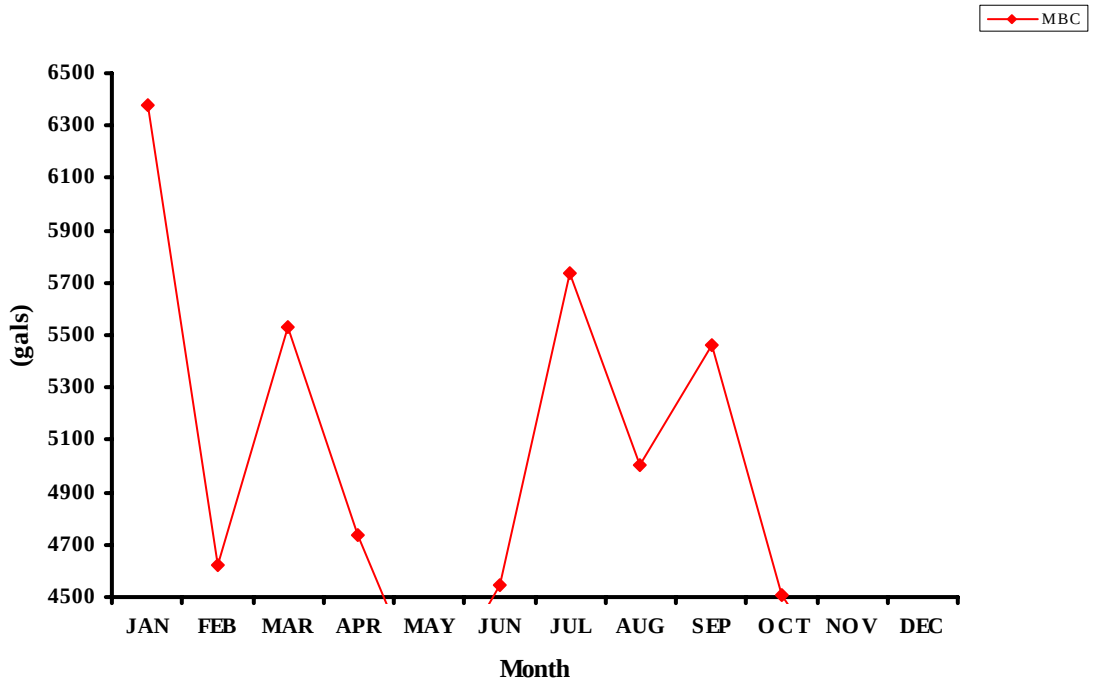
Caustic
2004 Monthly Chemical Usage



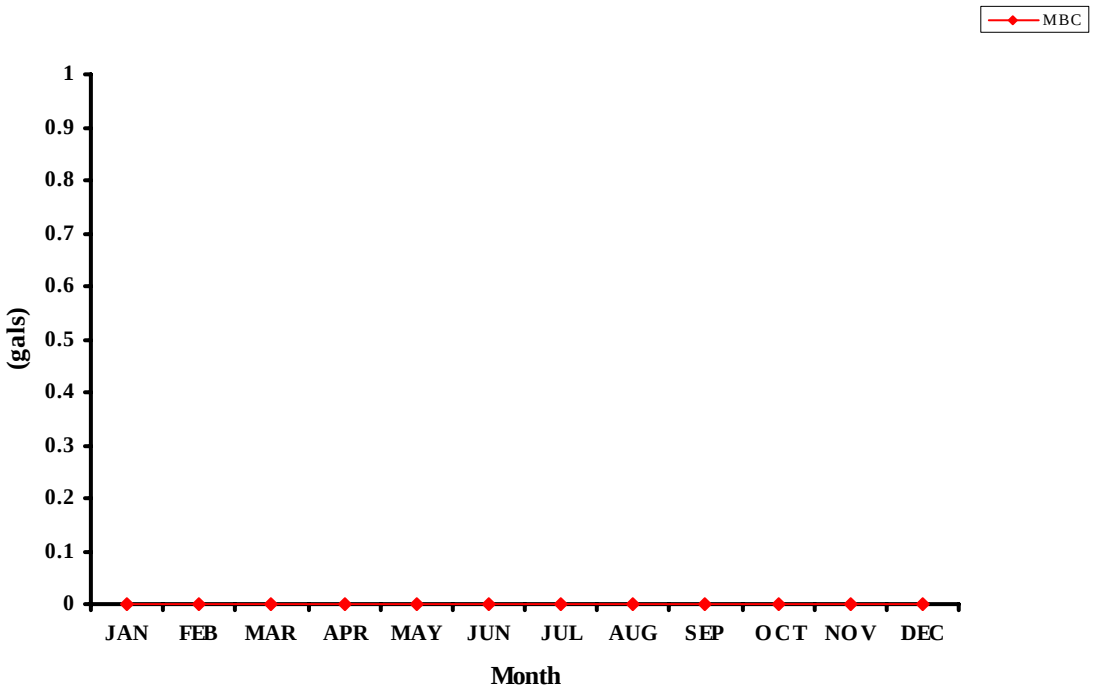
Polymer
2004 Monthly Chemical Usage



Sodium Hypochlorite
2004 Monthly Chemical Usage



Sulfuric Acid
2004 Monthly Chemical Usage



F. Facilities Out-of-service Report (2004)

DEWATERING CENTRIFUGES

DEWATERING CENTRIFUGE 1 MB76DC001	01/12/04-01/26/04, 02/23/04-02/24/04, 03/11/04-03/12-04, 07/24/04-08/07/04
DEWATERING CENTRIFUGE 2 MB76DC002	01/27/04-01/28/04, 02/19/04-02/19/04, 06/10/04-06/10/04, 09/21/30-09/30/04, 10/19/04-10/19/04, 11/01/04-11/02/04, 11/04/04-11/05/04, 11/08/04-12/06/04, 11/24/04-11/24/04, 12/20/04-1/19/05
DEWATERING CENTRIFUGE 3 MB76DC003	01/26/04-01/27/04, 01/29/04-01/29/04, 01/29/04-2/23/04, 03/18/04-04/01/04, 03/18/04-04/10/04, 04/06/04-04/07/04, 04/06/04-04/07/04, 04/09/04-04/09/04, 11/09/04-11/15/04
DEWATERING CENTRIFUGE 4 MB76DC004	02/23/04-02/24/04, 03/01/04-03/01/04, 03/08/04-03/08/04, 03/18/04-03/18/04, 07/19/04-04/19/04, 04/21/04-0//21/04, 05/10/04-05/11/04
DEWATERING CENTRIFUGE 5 MB76DC005	01/26/04-01/28/04, 02/13/04-02/13/04, 02/23/04-02/23/04, 04/05/04-04/05/04, 04/21/04-04/21/04, 10/20/04-10/20/04, 10/21/04,10/22/04, 10/25/04-10/25/04, 10/28/04-10/28/04, 11/15/04-11/19/04
DEWATERING CENTRIFUGE 6 MB76DC006	01/26/04-01/27/04, 04/07/04-04/10/04, 04/12/04-04/16/04, 07/19/04-07/22/04, 07/22/04-07/26/04, 08/07/04-08/11/04, 09/02/04-09/03/04, 09/29/04-09/29/04, 11/19/04-11/20/04
DEWATERING CENTRIFUGE 7 MB76DC007	02/27/04-02/27/04, 05/11/04-05/11/04, 05/11/04-05/12/04, 06/21/04-07/07/04, 07/07/04-07/07/04, 08/10/04-08/10/04, 08/19/04-08/19/04, 10/11/04-11/04/04, 12/14/04-12/14/04, 12/23/04-12/23/04
DEWATERING CENTRIFUGE 8 MB76DC008	01/26/04-01/28/04, 02/02/04-02/27/04, 02/27/04-02/27/04, 03/08/04-03/08/04, 03/09/04-03/09/04, 04/14/04-04/15/04, 02/11/04-05/12/04, 10/25/04-10/25/04

THICKENING CENTRIFUGES

THICKENING CENTRIFUGE 1 MB76TC001	04/06/04-04/07/04, 11/15/04-11/15/04
THICKENING CENTRIFUGE 2 MB76TC002	
THICKENING CENTRIFUGE 3 MB76TC003	05/03/04-05/03/04
THICKENING CENTRIFUGE 4 MB76TC004	
THICKENING CENTRIFUGE 5 MB76TC005	

CENTRATE PUMPS

CENTRATE PUMP 1 MB94P001	04/01/04
CENTRATE PUMP 2 MB94P002	
CENTRATE PUMP 3 MB94P003	

DEGRITTING SYSTEM

GRIT SEPARATOR 1 MB76GSR001	01/30/04-01/31/04, 04/03/04-04/05/04, 12/22/04-12/31/04
GRIT SEPARATOR 2 MB76GSR002	12/22/04-12/31/04
GRIT SEPARATOR 3 MB76GSR003	12/22/04-12/31/04

BIOGAS FLARES

FLARE 1 MB80GFL001	01/06/04-01/06/04
FLARE 2 MB80GFL002	02/02/04-02/02/04, 02/04/04-02/04/04, 02/09/04-02/09/04, 04/01/04-03/30/04, 04/01/04-04/01/04, 04/15/04-04/15/04, 06/16/04-??/??/??, 07/08/04-07/08/04,

DIGESTERS

DIGESTER 1 MB80T011	01/06/04-01/06/04, 01/29/04-01/29/04, 08/07/04-08/17/04
DIGESTER 2 MB80T012	
DIGESTER 3 MB80T013	11/02/04-11/02/04

BIOSOLIDS STORAGE TANKS

BIOSOLIDS STORAGE TANK	03/04/04-03/16/04, 03/04/04-03/18/04, 03/23/04-03/24/04, 04/08/04-04/09/04, 04/12/0404/14/04, 07/26/04-???
EM BIOSOLIDS STORAGE TANK	05/13/04-05/25/04, 07/22/0405/25/04, 08/13/04-08/09/04

BIOSOLIDS STORAGE SILOS

SILO 1	09/22/04-09/22/04, 12/14/04-12/17/04
SILO 2	
SILO 3	12/06/04-12/13/04
SILO 4	
SILO 5	04/09/04-04/09/04, 04/28/05/04/04, 06/21/04-06/21/04
SILO 6	
SILO 7	
SILO 8	

FACILITIES THAT WERE OUT OF SERVICE IN 2004 BY DATE

Facility	From	To	Notes
DEWATERING CENTRIFUGE 1	01/12/04	01/26/04	Weld about three tiles on conveyor.
DEWATERING CENTRIFUGE 1	02/23/04	02/24/04	Replace 2 " water line, Stock # 30733
DEWATERING CENTRIFUGE 1	03/11/04	03/12/04	Repeated trip-out due to back drive malfunction. CIP's completed. Please troubleshoot, and correct problem.
DEWATERING CENTRIFUGE 1	07/24/04	08/07/04	Install new operator interface from Alfa Laval. Upload and copy existing program to C.D. Test run DC and record findings.
DEWATERING CENTRIFUGE 2	01/27/04	01/28/04	DC 2 has erratic HI Back-drive Loads causing over torque alarms. Cleaned bowl twice and still back drive loads gradually increase to over torque state.
DEWATERING CENTRIFUGE 2	02/19/04	02/19/04	Check electrical controls for back-drive failure after PT's clean feed zone.
DEWATERING CENTRIFUGE 2	06/10/04	06/10/04	Controller's LOAD set point is erratic causing a fluctuation of actual load. Set point should be constant. Please check.
DEWATERING CENTRIFUGE 2	09/21/04	09/30/04	Troubleshot and repair back-drive belt failure.
DEWATERING CENTRIFUGE 2	10/19/04	10/19/04	Install new Symax 400 processor, download existing logic program to C.D. Record any findings.
DEWATERING CENTRIFUGE 2	11/01/04	11/02/04	Restore cooling water for lube oil.
DEWATERING CENTRIFUGE 2	11/04/04	11/05/04	Weld 4 tiles on conveyor.
DEWATERING CENTRIFUGE 2	11/08/04	12/06/04	Clean inside local control Panel.
DEWATERING CENTRIFUGE 2	11/24/04	11/24/04	Replace Delta Run Nema size 5 Chattering Controller inside of Dewatering Centrifuge # 2 Local Control Panel.
DEWATERING CENTRIFUGE 3	01/26/04	01/27/04	The bowl wash water system is leaking and needs repaired. See E-mail from Ernie 1/22/04
DEWATERING CENTRIFUGE 3	01/29/04	01/29/04	DC has a possible feed tube breakage.
DEWATERING CENTRIFUGE 3	01/29/03	02/23/04	Install new feed tube with liner
DEWATERING CENTRIFUGE 3	03/18/04	04/01/04	Replace failed conveyor with spare unit.

Facility	From	To	Notes
DEWATERING CENTRIFUGE 3	03/18/04	04/10/04	Rebuild failed conveyor removed from MB76DC003
DEWATERING CENTRIFUGE 3	04/06/04	04/07/04	Spare Conveyor has four broken tiles. Please have welder provide service to repair tiles.
DEWATERING CENTRIFUGE 3	04/06/04	04/07/04	Assist welder with repairs of tiles.
DEWATERING CENTRIFUGE 3	04/09/04	04/09/04	Repair two damaged tiles on conveyor
DEWATERING CENTRIFUGE 3	11/09/04	11/15/04	Replace seal and inspect bearing.
DEWATERING CENTRIFUGE 4	02/23/04	02/24/04	Replace 2 “water line. Stock # 30733
DEWATERING CENTRIFUGE 4	03/01/04	03/01/04	Hydraulic oil leaking from DC #4.
DEWATERING CENTRIFUGE 4	03/08/04	03/08/04	Add oil as needed
DEWATERING CENTRIFUGE 4	03/18/04	03/18/04	Add oil to unit.
DEWATERING CENTRIFUGE 4	04/19/04	04/19/04	DC # 4 experienced a DATA LINK FAILURE during shutdown. Please check all cable connections, controller.
DEWATERING CENTRIFUGE 4	04/21/04	04/21/04	Emergency shutdown alarm will not reset on the Sharples systems information manager.
DEWATERING CENTRIFUGE 4	05/10/04	05/11/04	Please remove hose and clear clog at degassing box or centrate shoot.
DEWATERING CENTRIFUGE 5	01/26/04	01/28/04	URGENT>>> DC #5 The bowl wash water system is broken and needs repaired. See E-mail from Ernie 1/22/04.
DEWATERING CENTRIFUGE 5	02/13/04	02/13/04	Back drive motor fan is not operating.
DEWATERING CENTRIFUGE 5	02/23/04	02/23/04	Replace 2” waterline; Stock # 30733
DEWATERING CENTRIFUGE 5	04/05/04	04/05/04	Bowl wash water hose on D.C. # 5 has fallen off. Needs to be reattached.
DEWATERING CENTRIFUGE 5	04/21/04	04/21/04	DC #5 Meter # 76FT2526 not reading correctly. Investigate and correct.
DEWATERING CENTRIFUGE 5	10/20/04	10/20/04	Make repairs to unit to keep grease from entering bearing oil.
DEWATERING CENTRIFUGE 5	10/21/04	10/22/04	AREA 76, Centrifuge has a defective Bonitron Blower Unit inside of the LCP.
DEWATERING CENTRIFUGE 5	10/25/04	10/25/04	Troubleshoot DC, unit may be packed, make repairs as necessary.
DEWATERING CENTRIFUGE 5	10/28/04	10/28/04	DC #5 tripped out on front oil flow low.

Facility	From	To	Notes
DEWATERING CENTRIFUGE 5	11/15/04	11/19/04	Dewatering Centrifuge #5 tripped out on "high winding temp." and "Front oil fail" need tech to check it out.
DEWATERING CENTRIFUGE 6	01/26/04	01/27/04	The bowl wash water system is leaking and needs repaired.
DEWATERING CENTRIFUGE 6	04/07/04	04/10/04	High vibration Alarm, Remove conveyor to determine cause. Install spare unit if needed, test and return to service.
DEWATERING CENTRIFUGE 6	04/12/04	04/12/04	Disassembly of damaged conveyor; inspect, repair, test and return to service
DEWATERING CENTRIFUGE 6	07/19/04	07/22/04	Trouble shoot high vibration
DEWATERING CENTRIFUGE 6	07/22/04	07/26/04	Weld one tile on the conveyor.
DEWATERING CENTRIFUGE 6	08/07/04	08/11/04	DC #6 vibration Y-Axis alarm continues to go into alarm. Alarm sensor indicating bad reading on # M76VT2607Y.
DEWATERING CENTRIFUGE 6	09/02/04	09/03/04	Inspect and clean feed zone and clean as necessary, test unit for proper operation.
DEWATERING CENTRIFUGE 6	09/29/04	09/29/04	Check centrifuge for high vibration, clean feed tube if necessary.
DEWATERING CENTRIFUGE 6	11/19/04	11/20/04	Reconnect centrate hose on DC#6 and replace the shut-off valve with valve that has a handle.
DEWATERING CENTRIFUGE 7	02/27/04	02/27/04	Flush Valve display show Local Flush Off with all indicators on valve and controller in Auto/ Remote.
DEWATERING CENTRIFUGE 7	5/11/04	5/11/04	A strange noise is coming from DC #7 back drive guard during start up. Please check guard.
DEWATERING CENTRIFUGE 7	5/11/04	05/12/04	PT's repaired noise from back drive but electrical problems on restart.
DEWATERING CENTRIFUGE 7	06/21/04	07/07/04	MBC Dewatering Centrifuge #7 Back Drive - Replace motor bearings. Code 3 -- Repair Next Availability -- Fault is present, however levels do not require immediate attention. Vibration levels have exceeded the alert/fault level of the motor in the upper frequency ranges. Spectral and waveform analysis of this unit indicates bearing defect progressing in the motor. Peak-Vue data confirms bearing defect present.
DEWATERING CENTRIFUGE 7	07/07/04	07/07/04	Noise -loud thumping - coming from back drive - sounds like possible worn/damaged bearings.
DEWATERING CENTRIFUGE 7	08/10/04	08/10/04	AREA 76, DC 07 GFCI Outlet keeps tripping. Investigate and correct problem.

Facility	From	To	Notes
DEWATERING CENTRIFUGE 7	08/19/04	08/19/04	Dewatering Centrifuge #7 is in high torque alarm and there is no display on ANY OF THE CONTROLLERS!!! Please investigate and repair
DEWATERING CENTRIFUGE 7	10/11/04	11/04/04	Troubleshoot the cause of 76DC007 main motor tripping the main power feed breaker. Disconnect electrical wiring for removal of motor. Remove motor for repair. SMP 195 - 48 Month Centrifuge PM - Alfa Laval
DEWATERING CENTRIFUGE 7	12/14/04	12/14/04	DC 7 has tripped out several times due to Back drive Failure. Please investigate and correct problem.
DEWATERING CENTRIFUGE 7	12/23/04	12/23/04	AREA 76. DC # 07 Back drive malfunction, please investigate and correct problem.
DEWATERING CENTRIFUGE 8	01/26/04	01/28/04	URGENT>>> DC #8...The bowl wash water system is broken and needs repaired. See E-mail from Ernie 1/22/04.
DEWATERING CENTRIFUGE 8	02/02/04	02/27/04	Flow switch on lube oil cooler is not connected. Please repair.
DEWATERING CENTRIFUGE 8	02/27/04	02/27/04	Install piping for Temperature sensor device. Inspect and clean feed tube
DEWATERING CENTRIFUGE 8	03/08/04	03/08/04	Install piping for Temperature sensor device. Inspect and clean feed tube
DEWATERING CENTRIFUGE 8	03/09/04	03/09/04	Still having high vibration on DC after PT's cleaned feed Zone. Please check sensors on machine.
DEWATERING CENTRIFUGE 8	04/14/04	04/15/04	Remove gearbox from spare conveyor and install on DC - 8.
DEWATERING CENTRIFUGE 8	05/11/04	05/12/04	Unclog de-gassing line
DEWATERING CENTRIFUGE 8	10/25/04	10/25/04	Tripped on high temp, motor EXTREMLY HOT. CIP'd 2 times. Please pull cover to check if packed before we restart.
THICKENING CENTRIFUGE 1	04/06/04	04/07/04	Weld two tiles on centrifuge conveyor
THICKENING CENTRIFUGE 1	11/15/04	11/15/04	Investigate and correct TC #1 data link failure.
THICKENING CENTRIFUGE 3	05/03/04	05/03/04	Hydraulic oil leaking out of TC #3.
CENTRATE PUMP 1	04/08/04	04/01/04	(Callout for Thursday 4-1-04) Centrate pumps rotating without commands
GRIT SEPARATOR 1	01/30/04	01/31/04	Lower gasket on dome of Teacup #1 is blown and needs to be replaced.

Facility	From	To	Notes
GRIT SEPARATOR 1	04/03/04	04/05/04	Need tech to investigate and repair 76-ARV-017 (Teacup #1, Air Release Valve). When the teacup is in service, fluid is seeping by the air release valve.
GRIT SEPARATOR 1	12/22/04	12/31/04	Motorize Valves 76-MV-1101(Discharge to Clarifier #1) and 76-MV-1102(Discharge to Clarifier #2) are becoming hard to actuate by DCS and by hand. Need tech to investigate the valves and clean or repair the valves so they actuate smoothly.
GRIT SEPARATOR 2	12/22/04	12/31/04	Motorize Valves 76-MV-1106(Discharge to Clarifier #1) and 76-MV-1107(Discharge to Clarifier #2) are becoming hard to actuate by DCS and by hand. Need tech to investigate the valves and clean or repair the valves so they actuate smoothly.
GRIT SEPARATOR 3	12/22/04	12/31/04	Motorize Valves 76-MV-1111(Discharge to Clairefier #1) and 76-MV-1112(Discharge to Clairefier #2) are becoming hard to actuate by DCS and by hand. Need tech to investigate the valves and clean or repair the valves so they actuate smoothly.
FLARE 1	01/06/04	01/06/04	Biogas flare continues to go into alarm and will not flare even after resetting, alarm indicates: Gas Flare #1 Ignition System failure.
FLARE 2	02/02/04	02/02/04	#2 Flare has alarm indication on elec. panel: High stack temperature, will not operate in manual or au
FLARE 2	02/02/04	02/02/04	(Follow up from callout) #2 Flare has alarm indication on elec. panel: High stack temperature, will not operate in manual or auto.
FLARE 2	02/09/04	02/09/04	Trouble shoot stack high temperature alarm.
FLARE 2	04/01/04	03/30/04	(Tuesday) Adjust time delay on upper temperature limit to reduce spiking. Research cause for temperature spike when flare is not lit off.
FLARE 2	04/01/04	04/01/04	Adjust time delay down to one minute on upper temperature limit. Research cause for spike in flare temperature when flare was not lit off.
FLARE 2	04/15/04	04/15/04	GAS FLARE 02 will not shut off at 16” per strategy. Please investigate. Correct and report any findings
FLARE 2	06/10/04	06/10/04	Unit won't flare. Indicating high temp alarm before starting.
FLARE 2	06/16/04		Purge motor continues to run after unit shutdown. Please determine cause.

Facility	From	To	Notes
FLARE 2	07/08/04	07/08/04	GAS FLARE # 002 Will not operate per DCS command. Please reset temperature controller and report any findings.
FLARE 2	07/29/04	07/29/04	FLARE #02 Will not start. Universal temperature controller needs to be reset
FLARE 2	08/10/04	08/11/04	Replace temperature probe and test flare system for proper operation.
DIGESTER 1	01/06/04	01/06/04	Clean flame arrester screens in maintenance shop.
DIGESTER 1	01/29/04	01/29/04	Flame arrester (Northwest unit) gasket at base of Varec weights is leaking. Try to fabricate gasket from materials in shop or remove gasket for Varec on digester #2.
DIGESTER 1	08/07/04	08/17/04	Digester 1 in the gallery, the south side the floor drain (near the main roadway) is clogged. This floor drain needs to be cleaned and returned to service. If you need further information contact Gerry Barca
DIGESTER 3	11/02/04	11/02/04	Install new gasket on the two varecs on top of digester and place varecs in service.
BIOSOLIDS STORAGE TANK	03/04/04	03/16/04	Replace gaskets on five hatches.
BIOSOLIDS STORAGE TANK	03/04/04	03/18/04	Operate Digested Biosolids Mixing pumps, observer discharge inside of Biosolids Storage Tank. Ensure free flowing discharge while each pump is operated. After test of pumps is complete, close side access cover.
BIOSOLIDS STORAGE TANK	03/23/04	03/24/04	Install inspection door on side of tank
BIOSOLIDS STORAGE TANK	04/08/04	04/09/04	Hand Valves #80HV0265 & 80HV0283 are leaking. Please adjust packing.
BIOSOLIDS STORAGE TANK	04/12/04	04/14/04	Repack knife gate packing gland on 80-HV-0264.
BIOSOLIDS STORAGE TANK	04/19/04	04/19/04	1) Emergency overflow 3 -way valve 80-MV-1398, and 2) Overflow 3 way valve 80-MV-1393 need to be exercised and moved to feed the Biosolids Storage Tank. (At this time it is feeding the Emergency Biosolids Storage Tank.
BIOSOLIDS STORAGE TANK	07/26/04	????	The Biosolids Storage Tank level indicators 80-LT-2420 & 2421 need to be calibrated. LT-2420 reading 14.2 ft. LT-2421 reading 10.3 ft.
EM BIOSOLIDS STORAGE TANK	05/13/04	05/25/04	Remove piping and diaphragm pump, leave open side access for Contractor.

Facility	From	To	Notes
EM BIOSOLIDS STORAGE TANK	07/22/04	07/27/04	Operate tank mixing pumps and observe injector nozzles for output. (Obtain confined space permit as required.)
EM BIOSOLIDS STORAGE TANK	08/13/04	08/19/04	Secure side hatch and top hatches, leaving thief holes on top open.
SILO 1	09/22/04	09/22/04	The level indicator for Silo #1 is indicating bad quality. Top Silo Level indicator # M86LT2110, needs to be repaired.
SILO 1	12/14/04	12/17/04	Silo #1 in area 86 level indicator reading in bad quality, continues to alarm. Level indicator #M86LT2110, needs to be checked out.
SILO 3	12/06/04	12/13/04	Replace PLC and down load program.
SILO 5	04/09/04	04/09/04	Indicator M86LT2151 reading is erratic. When bin has product, it reads negative.
SILO 5	04/28/04	05/04/04	Please check level indication.
SILO 5	06/21/04	06/21/04	Level transmitter 86LT2150 reads erratically HI when silo is nearly empty. This is causing inlet valve to silo to close and Q is advanced to next silo in strategy. Its sister level indicator, 86LT2151, appears to read correctly.

G. Solids Handling Annual Report

This sub-section is an excerpt from the Annual Sludge Disposal Report without most attachments.

2004 Annual Biosolids Beneficial Use & Disposal Report

Facilities:

Sources of biosolids:	Biosolids treatment and processing:
Point Loma Wastewater Treatment Plant (PLWWTP) 1902 Gatchell Rd., San Diego, CA	Metro Biosolids Center (MBC) 5240 Convoy Street, San Diego, CA 92111
North City Water Reclamation Plant (NCWRP) 4949 Eastgate Mall, San Diego, CA 92121	Point Loma Wastewater Treatment Plant 1902 Gatchell Rd., San Diego, CA

The Point Loma Wastewater Treatment Plant (PLWWTP) and the North City Water Reclamation Plant produced and disposed of 133,067 wet tons/38,410 dry tons (34,846dry metric tons 4) of digested sludge (biosolids) in 2004.

In 2004 the Biosolids and Emergency Biosolids Storage Tanks at the Metro Biosolids Center were cleaned, producing 1,186 wet tons/605 dry tons/549 dry metric tons (based on 51% solids) of material, all of which was hauled to a disposal site (South Yuma County Landfill).

All digested sludge produced at the Pt. Loma WWTP were pumped to the Metro Biosolids Center (MBC) for dewatering by centrifuges. The biosolids were then hauled to a disposal site (Local Landfill) or beneficial use site. During this reporting period all of the raw sludge produced at the North City Water Reclamation Plant (NCWRP) was diverted to the Metro Biosolids Center for screening, thickening, degritting, digestion and blended with the digested solids from the PLWWTP prior to dewatering. The MBC Monthly Biosolids Processing Reports include the biosolids processed from the PLWWTP and the NCWRP. Copies of the MBC Monthly Biosolids Processing Reports and the MBC Biosolids Beneficial Use and Disposal Monthly Summary Reports detailing daily biosolids processing and beneficial use/disposal are included as Enclosures 1 and 5. respectively.

In 2004, 16,098 wet tons (4,221 dry metric tons) of the sludge/biosolids produced by the City of San Diego, Pt. Loma Wastewater Treatment Plant and North City Water Reclamation Plant were dewatered at the Metro Biosolids Center and were disposed of in sanitary landfills. 91,325 wet tons (26,393 dry tons/ 23,944 dry metric tons) of biosolids were beneficially used as Alternative Daily Cover (ADC) at a sanitary landfill and 25,644 wet tons/7,411 dry tons/6,723 dry metric tons of biosolids were land applied in the State of Arizona (based on 28.9% average TS).

All Biosolids produced by the City of San Diego were treated to Class B standards through Anaerobic Digestion for a minimum of 15 days at a temperature of 35 to 55 degrees Centigrade(Alternative 3, Process 3). Vector Attraction requirements were achieved by reducing the volatile solids content a minimum of 38 percent(Option 1).

Land Applier: **Solid Solutions**
Address: 12340 Seal Beach Blvd., Suite B-383, Seal Beach, CA 90740
Period: January 1, 2004 - December 31, 2004

4 Conversion factor for short tons to metric tons updated this year from the previously used 0.9078 (Hoke, Inc. 11/73) to 0.9072 (NIST Special Publication 811, 1995 Edition, Guide for the Use of the International System of Units (SI). Difference is less than 0.07%.

Reuse method: Direct land application. Digested dewatered sludge from the MBC centrifuges were land applied directly to fields in Yuma County, AZ. The sludge was certified by the City of San Diego as meeting Class B pathogen and vector attraction reduction requirements of 40 CFR 503. Copies of the City of San Diego's certifications (which also serve as notification of nitrogen content) are included as Enclosure 2. Copies of Solid Solutions' certification statements are included as Enclosures 10 & 11.

The MBC provides two essential treatment processes, thickening and digestion of the raw solids from the NCWRP and dewatering of biosolids generated at the NCWRP and the PLWWTP. The digested biosolids from the PLWWTP are pumped to MBC in a 17 mile pipeline into one of the two storage tanks on site where it is blended with the digested biosolids from the NCWRP. Before these biosolids are sent to the dewatering process polymer and ferric chloride are added to condition the biosolids, which enhances the dewaterablility of the biosolids and minimizes the potential of scale formation.

Eight dewatering centrifuges are used to separate the liquid and solids fractions of the conditioned biosolids. The liquid fraction, (centrate) is returned to the PLWWTP via the Rose Canyon Interceptor and the solids recovered, (cake), is pumped to one of the eight storage silos on site before it is loaded into trucks for disposal/beneficial use as ADC at Otay Landfill or beneficially used for land application in Yuma County Arizona, Tables 1B and Table 1C.

The digested biosolids, centrate and dewatered cake are sampled on a daily basis to ensure regulatory compliance and to track plant process performance. Grab samples are collected daily on the incoming biosolids from the PLWWTP and the blended biosolids, which includes the digested biosolids from the NCWRP. The operations staff also collects a twenty-four hour composite sample from the centrate return stream from the dewatering process and from the blended centrate return stream that includes the centrate flow from the thickening and dewatering processes.

Daily grab samples of dewatered cake are collected from each individual dewatering centrifuge that are in operation during the 24 hour period , and a portion of each of these grab samples are combined to provide a daily composite of dewatered cake produced. All sampling at MBC is preformed by Wastewater Plant Operators who are certified by the State of California and in conformance with established sampling techniques listed in Standards Methods.

Because the dewatered cake samples are a daily composite and the Land Applier's (Solids Solutions) samples are a monthly grab sample, the dry ton calculations differ.

In addition to the monthly analyses of 503 and California Title 22 analyses by our California certified laboratory, and in accordance with the Arizona Department of Environmental Quality (ADEQ), for the months of October, November and December, grab samples were delivered to an Arizona certified laboratory. Legend Technical Services of Arizona, Inc, 17631 North 25th Avenue, Phoenix, AZ 85023, ADHS#AZ0004 provided EPA Part 503 Table 3 Metals and Nitrogen analysis. See Enclosure 14.

Biosolids used for all uses in 2004 continued to meet all regulatory requirements. Concentration of pollutants were all well below the limits listed in California Title 22 Hazardous Waste thresholds including TTLC (Total Threshold Limit Concentration), STLC (Soluble Threshold Limit Concentration), and 40 CFR part 503.13 Table 3 "Limits for Land Application", the lower

lead limit established by the California State Health and Safety Code 25157.8. It also met the A.C.C. (Arizona Administrative Code) R18-9-1005 Table 2. Monthly Average Pollutant Concentration limits. See Enclosure 15, Pollutant Concentration Comparisons.

Additional analyses, including the rest of the "priority pollutant list"5, were performed during 2004 and the reports of these analyses are included in Enclosure 7.

Table 1.A. Landfill location used during 2004 is as follows:

Otay Landfill 1700 Maxwell Road Chula Vista, San Diego County, CA 91911	16,098 wet tons(4,219 dry metric tons) based on 28.9% average solids) disposed of from January to December 2004 at this landfill.

No biosolids were shipped to or disposed of at a surface disposal site.

No biosolids were disposed of or reused by any other method than those listed above.

5 Includes volatile organic compounds, phenols, base/neutral organic compounds, organophosphorus pesticides, chlorinated pesticides and PCBs.

Table 1B. Biosolids Production for MBC

2004 Month:	Otay Landfill Biosolids (wet Tons)	Otay Landfill Beneficial Use[1] (wet Tons)	Otay Landfill Total (wet Tons)	Norris Farm Aztec, Yuma County, AZ Beneficial Use[2] (wet Tons)	Cullison Farm Aztec, Yuma Beneficial Use[2] (wet Tons)	Total (wet Tons)	%TS	Total Dry Tons	Total Biosolids (dry metric tons)*
January	2,978.11	6,025.09	9,003.20	1,349.32	856.83	11,209	28.8	3,228	**2,929**
February	2,059.95	5,121.96	7,181.91	1,713.94	371.93	9,268	28.9	2,678	**2,430**
March	897.88	7,494.01	8,391.89		2,450.78	10,843	29.7	3,220	**2,921**
April	96.65	8,537.06	8,633.71		2,358.81	10,993	29.1	3,199	**2,902**
May	72.71	8,782.28	8,854.99		2,151.04	11,006	27.8	3,060	**2,776**
June	560.69	8,659.32	9,220.01		2,462.54	11,683	28.3	3,306	**2,999**
July	24.18	8,697.88	8,722.06	1142.18	1,088.30	10,953	28.3	3,100	**2,812**
August	48.71	9,511.37	9,560.08		2,062.17	11,622	27.8	3,231	**2,931**
September	48.34	8,939.86	8,988.20		2,490.64	11,479	28.0	3,214	**2,916**
October	3,438.62	6,654.21	10,092.83	171.81	1,805.39	12,070	28.3	3,416	**3,099**
November	968.32	8,337.23	9,305.55	1,527.11	74.69	10,907	30.9	3,370	**3,058**
December	4,904.33	4,564.23	9,468.56		1,566.30	11,035	30.7	3,388	**3,073**
Annual Total:	16,098.49	91,324.50	107,422.99	5,904.36	19,739.42	133,067		38,410	**34,846**
Monthly Average:	1,341.54	7,610.38	8,951.92	1,180.87	1,644.95	11,089	28.9	3,201	**2,904**

[1] beneficial use as Alternative Daily Cover.

[2] beneficial use in Land Application.

Table 1C. Additional Biosolids (Metro Biosolids Center, Biosolids Storage and Emergency Biosolids Storage Tank Cleanings; mechanically separated)

2004 Month:	South Yuma County Landfill (wet Tons)	Copper Mountain Landfill (wet Tons)	Otay Landfill (wet Tons)	Field YM2-144 Yuma County AZ (wet Tons)	Field YM2-141 Yuma County AZ (wet Tons)	Total Land Application	Total (wet Tons)	Total Dry Tons [1]	Total Metric Tons
January	73.41						73.41	37.44	33.97
February	411.16						411.16	209.69	190.23
March							0		
April							0		
May	198.90						198.9	101.44	92.03
June	502.75						502.75	256.4	232.61
July							0		
August							0		
September							0		
October							0		
November							0		
December							0		
Total:	1,186.22						1,186.22	604.97	548.83

1 Dry tons calculated on basis of 51% total solids.

Table 1D. Other Solids Disposal (weights are gross wet weight)

2004 Month:	Copper Mountain Landfill **Scum (Tons)**	Otay Landfill **Scum (Tons)**	Miramar Landfill **Grit (Tons)**	Miramar Landfill **Rags & Screenings (Tons)**
January	39.77		172.37	297.30
February	61.59		187.40	291.84
March	37.59		190.98	319.33
April	28.82		226.18	439.28
May	26.44		231.23	474.92
June	26.56		220.21	440.93
July	44.24		208.91	433.06
August	33.10	8.40	185.64	386.81
September	41.29	10.46	146.93	321.59
October	13.96	7.50	177.70	422.22
November	49.57		221.45	560.49
December	34.17		211.62	559.05
Total:	437.10	26.36	2,380.62	4,946.82
Average:	36.43	8.79	198.39	412.24

Solids Production

Point Loma Annual Monitoring Report
Solids Report – TOTALS

From 01-JAN-2004 To 31-DEC-2004

Month	Pt. Loma Raw sludge Gallons	Tons	Pt.Loma Digested Sludge Gallons	Tons	MBC Combined Centrate Gallons	Tons	MBC Dewatered Sludge Wet Tons	Dry Tons
01	35,355,343	6,548	34,213,260	3,724	49,098,330	566	11,209	3,227
02	31,529,267	5,862	28,873,890	2,953	67,497,419	634	9,268	2,676
03	33,004,739	6,102	32,301,530	3,214	80,157,434	753	10,843	3,223
04	32,815,205	5,832	32,114,660	3,214	77,701,851	718	10,993	3,201
05	34,027,228	6,031	33,751,230	3,399	78,721,618	796	11,006	3,059
06	32,815,116	5,724	32,668,150	3,282	73,956,834	776	11,683	3,310
07	33,937,347	5,873	33,839,510	3,306	75,529,109	842	10,953	3,104
08	35,118,037	5,837	35,695,580	3,559	74,420,643	899	11,622	3,230
09	32,132,228	5,460	33,384,670	3,308	69,155,809	837	11,479	3,219
10	34,864,613	6,310	41,194,850	4,212	76,227,411	938	12,070	3,412
11	31,628,107	5,193	32,512,230	3,288	70,190,355	739	10,907	3,376
12	32,041,961	5,114	36,714,800	3,485	77,468,620	880	11,035	3,383
avg	33,272,433	5,824	33,938,697	3,412	72,510,453	781	11,089	3,202
sum	399,269,191	69,885	407,264,360	40,944	870,125,433	9,377	133,067	38,420

Solids Report - Daily Averages by Month
From 01-JAN-2004 To 31-DEC-2004

Month	Pt. Loma Raw sludge Gallons	%TS	Tons	Pt.Loma Digested Sludge Gallons	%TS	Tons	MBC Combined Centrate Gallons	%TS	Tons	MBC Dewatered Sludge Wet Tons	%TS	Dry Tons
01	1,140,495	4.4	209	1,103,654	2.6	119	1,583,817	0.28	17.6	362	28.8	104.1
02	1,087,216	4.5	202	995,651	2.5	96	2,327,497	0.23	22.5	320	28.9	92.3
03	1,064,669	4.4	194	1,041,985	2.4	103	2,585,724	0.23	24.3	350	29.7	104.0
04	1,093,840	4.3	194	1,070,489	2.4	106	2,590,062	0.22	23.9	366	29.1	106.7
05	1,097,653	4.3	194	1,088,749	2.4	109	2,539,407	0.24	25.7	355	27.8	98.7
06	1,093,837	4.2	191	1,088,938	2.4	109	2,465,228	0.25	25.8	389	28.3	110.3
07	1,094,753	4.2	190	1,091,597	2.3	106	2,436,423	0.27	27.1	353	28.3	100.1
08	1,132,840	4.0	188	1,151,470	2.4	114	2,400,666	0.29	28.9	375	27.8	104.2
09	1,071,074	4.1	181	1,112,822	2.4	110	2,305,194	0.29	27.9	383	28.0	107.3
10	1,124,665	4.3	204	1,328,866	2.5	137	2,458,949	0.30	30.1	389	28.3	110.0
11	1,054,270	3.9	173	1,083,741	2.4	104	2,339,679	0.25	24.7	364	30.9	112.5
12	1,033,612	3.8	162	1,184,348	2.3	113	2,498,988	0.27	28.5	356	30.7	109.1
avg	1,090,744	4.2	190	1,111,859	2.4	111	2,377,636	0.26	25.6	363	28.9	104.9

Note: A ton is a short ton@ or 2000 lbs of dry solids.
*Values for Wet Tons of dewatered sludge are based on calculated volumes from eight positive displacement cake pumps and are subject to inaccuracies. The mechanical condition of the cake pumps and the variability of sludge concentrations can effect the overall accuracies of these reported values.

Enclosure 7.

Results of analyses of dewatered biosolids for 2004.

Tables showing the analyses for metals (including priority pollutants), pH, total and volatile solids, pesticides & PCBs, and organic priority pollutant compounds of sewage biosolids samples taken in 2004.

POINT LOMA WASTEWATER TREATMENT PLANT
METRO BIOSOLIDS CENTER
ANNUAL DEWATERED SLUDGE COMPOSITES
Trace Metals

From: 01-JAN-2004 to: 31-DEC-2004

Source:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			31-JAN-2004	29-FEB-2004	31-MAR-2004	30-APR-2004	31-MAY-2004	30-JUN-2004
Sample ID:	MDL	Units	P245713	P248488	P251978	P255806	P258923	P262257
pH	3	PH	7.70	7.79	7.62	7.98	7.86	7.79
Total Solids		WT%	27.6	28.9	29.4	28.4	26.9	27.0
Total Volatile Solids		WT%	55.8	55.5	55.3	52.8	54.5	55.0
Total Kjeldahl Nitrogen	.04	WT%	NA	4.35	NA	NA	4.27	NA
Total Nitrogen	1.1	WT%	4.64	4.61	4.27	4.32	4.48	4.50
Sulfides-Total	2170	MG/KG	14300	14300	10900	12000	16700	22600
Sulfides-Reactive	11	MG/KG	23	42	36	36	62	34
Cyanides,Total	.1	MG/KG	NA	1.56	NA	NA	0.64	NA
Aluminum	11	MG/KG	11700	12500	12100	12700	11300	12100
Antimony	50	MG/KG	ND	ND	ND	ND	ND	2.6
Arsenic	.68	MG/KG	3.32	2.64	4.09	4.50	2.68	2.39
Barium	.5	MG/KG	676	94	604	507	511	481
Beryllium	.2	MG/KG	ND	ND	ND	ND	ND	0.13
Cadmium	5	MG/KG	ND	ND	ND	ND	ND	2.3
Chromium	7	MG/KG	40	33	34	49	42	36
Cobalt	2.8	MG/KG	<2.8	<2.8	ND	11.7	7.4	3.0
Copper	4	MG/KG	568	510	526	557	589	602
Iron	6	MG/KG	85600	72300	75100	80900	81300	99200
Lead	29	MG/KG	ND	ND	<29	<29	ND	24
Manganese	.4	MG/KG	265	228	254	293	289	247
Mercury	.4	MG/KG	1.75	1.65	1.59	1.25	1.46	2.37
Molybdenum	2.8	MG/KG	17	18	14	14	22	22
Nickel	4	MG/KG	36	32	33	8	30	32
Selenium	.47	MG/KG	4.07	4.46	5.02	2.54	5.39	4.92
Silver	3	MG/KG	18	22	20	16	22	23
Thallium	23	MG/KG	ND	ND	ND	ND	ND	ND
Vanadium	1.5	MG/KG	70	57	65	42	29	48
Zinc	50	MG/KG	827	786	762	769	842	707

Source:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			31-JUL-2004	31-AUG-2004	30-SEP-2004	31-OCT-2004	30-NOV-2004	31-DEC-2004
Sample ID:	MDL	Units	P266275	P270291	P273638	P277884	P281090	P284307
pH	3	PH	7.82	8.12	7.97	8.17	8.02	7.91
Total Solids		WT%	27.9	27.4	27.2	27.3	29.8	29.1
Total Volatile Solids		WT%	54.4	54.8	55.3	53.0	50.4	53.3
Total Kjeldahl Nitrogen	.04	WT%	NA	4.23	NA	3.82	NA	NA
Total Nitrogen	1.1	WT%	4.44	4.80	4.41	4.55	4.18	4.66
Sulfides-Total	2170	MG/KG	18700	15900	17200	22600	14100	14500
Sulfides-Reactive	11	MG/KG	69	82	70	69	36	26
Cyanides,Total	.1	MG/KG	NA	1.52	NA	8.15	NA	NA
Aluminum	11	MG/KG	10600	9890	9360	9730	10800	10000
Antimony	50	MG/KG	2.7	2.3	3.2	2.7	1.9	2.1
Arsenic	.68	MG/KG	3.41	3.11	4.10	3.91	5.89	5.78
Barium	.5	MG/KG	389	190	331	235	487	521
Beryllium	.2	MG/KG	0.12	0.11	0.13	0.12	0.10	0.11
Cadmium	5	MG/KG	2.3	2.0	2.5	2.2	2.2	1.8
Chromium	7	MG/KG	35	33	40	42	50	48
Cobalt	2.8	MG/KG	3.1	3.3	3.3	3.2	2.8	2.2
Copper	4	MG/KG	647	576	615	601	645	589
Iron	6	MG/KG	85000	83700	94900	97000	101000	94300
Lead	29	MG/KG	27	25	26	27	28	22
Manganese	.4	MG/KG	241	239	265	267	330	327
Mercury	.4	MG/KG	1.00	0.94	1.50	0.90	0.82	0.95
Molybdenum	2.8	MG/KG	22	22	26	24	21	18
Nickel	4	MG/KG	30	31	30	32	33	28
Selenium	.47	MG/KG	2.98	5.05	4.79	4.29	3.98	4.51
Silver	3	MG/KG	21	20	20	19	20	19
Thallium	23	MG/KG	ND	ND	ND	ND	ND	ND
Vanadium	1.5	MG/KG	51	51	41	33	37	30
Zinc	50	MG/KG	822	810	847	791	826	815

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

MBCDEWCN= Metro Biosolids Center Dewatered Centrifuged Sludge.

POINT LOMA WASTEWATER TREATMENT PLANT
Quarterly Sludge Project
Total Nitrogen Analysis

From 01-JAN-2004 to 31-DEC-2004

			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			31-JAN-2004	29-FEB-2004	31-MAR-2004	30-APR-2004	31-MAY-2004	30-JUN-2004	31-JUL-2004
Sample:	MDL	Units	P245713	P248488	P251978	P255806	P258923	P262257	P266275
Total Nitrogen	1.1	WT%	4.6	4.6	4.3	4.3	4.5	4.5	4.4

			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			31-AUG-2004	30-SEP-2004	31-OCT-2004	30-NOV-2004	31-DEC-2004
Sample:	MDL	Units	P270291	P273638	P277884	P281090	P284307
Total Nitrogen	1.1	WT%	4.8	4.4	4.6	4.2	4.7

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

POINT LOMA WASTEWATER TREATMENT PLANT
METRO BIOSOLIDS CENTER
ANNUAL DEWATERED SLUDGE COMPOSITES
Radioactivity

From: 01-JAN-2004 to: 31-DEC-2004

ANALYZED BY: Truesdail Labs Inc.

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
MBCDEWCN	29-FEB-2004	P248488	5210±2405	2120±1165
MBCDEWCN	31-MAY-2004	P258923	5080±2740	3000±1250
MBCDEWCN	31-AUG-2004	P270291	4750±2060	3350±1405
MBCDEWCN	31-OCT-2004	P277884	2790±2040	2270±1370
AVERAGE			4458±2311	2685±1298

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

Units in picocuries/kilogram (pCi/Kg)

MBCDEWCN= Metro Biosolids Center Dewatered Centrifuged Sludge.

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Chlorinated Pesticide Analysis
From 01-JAN-2004 To 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN 31-JAN-2004 P245713	MBCDEWCN 29-FEB-2004 P248488	MBCDEWCN 31-MAR-2004 P251978	MBCDEWCN 30-APR-2004 P255806	MBCDEWCN 31-MAY-2004 P258923
Aldrin	71000	NG/KG	ND	ND	ND	ND	ND
Dieldrin	35000	NG/KG	ND	ND	ND	ND	ND
BHC, Alpha isomer	28000	NG/KG	ND	ND	ND	ND	ND
BHC, Beta isomer	45000	NG/KG	ND	ND	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND	ND	ND	ND
BHC, Delta isomer	28000	NG/KG	ND	ND	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	ND	ND	ND
p,p-DDE	28000	NG/KG	ND	<28000	<28000	ND	ND
p,p-DDT	35000	NG/KG	ND	ND	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	ND	ND	ND	ND
o,p-DDE	52000	NG/KG	ND	ND	ND	ND	ND
o,p-DDT	71000	NG/KG	ND	ND	ND	ND	ND
Heptachlor	28000	NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	28000	NG/KG	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA	NA
Oxychlordane	28000	NG/KG	ND	ND	ND	ND	ND
Trans Nonachlor	18000	NG/KG	ND	ND	ND	ND	ND
Cis Nonachlor	52000	NG/KG	ND	ND	ND	ND	ND
Alpha Endosulfan	18000	NG/KG	ND	ND	ND	ND	ND
Beta Endosulfan	28000	NG/KG	ND	ND	ND	ND	ND
Endosulfan Sulfate	45000	NG/KG	ND	ND	ND	ND	ND
Endrin aldehyde	52000	NG/KG	ND	ND	ND	ND	ND
Toxaphene	130000	NG/KG	ND	ND	ND	ND	ND
Mirex	18000	NG/KG	ND	ND	ND	ND	ND
Methoxychlor	71000	NG/KG	ND	ND	ND	ND	ND
PCB 1016	260000	NG/KG	ND	ND	ND	ND	ND
PCB 1221	580000	NG/KG	ND	ND	ND	ND	ND
PCB 1232	220000	NG/KG	ND	ND	ND	ND	ND
PCB 1242		NG/KG	ND	ND	ND	ND	ND
PCB 1248	310000	NG/KG	ND	ND	ND	ND	ND
PCB 1254	130000	NG/KG	ND	ND	ND	ND	ND
PCB 1260	86000	NG/KG	ND	ND	ND	ND	ND
PCB 1262		NG/KG	ND	ND	ND	ND	ND
Aldrin + Dieldrin	71000	NG/KG	0	0	0	0	0
Hexachlorocyclohexanes	45000	NG/KG	0	0	0	0	0
DDT and derivatives	71000	NG/KG	0	0	0	0	0
Chlordane + related cmpds.	48000	NG/KG	0	0	0	0	0
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	0	0	0	0	0

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Chlorinated Pesticide Analysis
From 01-JAN-2004 To 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN 30-JUN-2004 P262257	MBCDEWCN 31-JUL-2004 P266275	MBCDEWCN 31-AUG-2004 P270291	MBCDEWCN 30-SEP-2004 P273638	MBCDEWCN 31-OCT-2004 P277884
Aldrin	71000	NG/KG	ND	ND	ND	ND	ND
Dieldrin	35000	NG/KG	ND	ND	ND	ND	ND
BHC, Alpha isomer	28000	NG/KG	ND	ND	ND	ND	ND
BHC, Beta isomer	45000	NG/KG	ND	ND	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND	<18000	ND	ND
BHC, Delta isomer	28000	NG/KG	ND	ND	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	ND	ND	ND
p,p-DDE	28000	NG/KG	ND	ND	ND	29500	38000
p,p-DDT	35000	NG/KG	ND	ND	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	ND	ND	ND	ND
o,p-DDE	52000	NG/KG	ND	ND	ND	ND	ND
o,p-DDT	71000	NG/KG	ND	ND	ND	ND	ND
Heptachlor	28000	NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	28000	NG/KG	ND	ND	43500	73500	32500
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA	NA	NA
Oxychlordane	28000	NG/KG	ND	ND	ND	ND	ND
Trans Nonachlor	18000	NG/KG	36500	24000	ND	22000	ND
Cis Nonachlor	52000	NG/KG	ND	ND	ND	ND	ND
Alpha Endosulfan	18000	NG/KG	ND	ND	ND	ND	ND
Beta Endosulfan	28000	NG/KG	ND	ND	ND	ND	ND
Endosulfan Sulfate	45000	NG/KG	ND	ND	ND	ND	ND
Endrin aldehyde	52000	NG/KG	ND	ND	ND	ND	ND
Toxaphene	130000	NG/KG	ND	ND	ND	ND	ND
Mirex	18000	NG/KG	ND	ND	ND	ND	ND
Methoxychlor	71000	NG/KG	ND	ND	ND	ND	ND
PCB 1016	260000	NG/KG	ND	ND	ND	ND	ND
PCB 1221	580000	NG/KG	ND	ND	ND	ND	ND
PCB 1232	220000	NG/KG	ND	ND	ND	ND	ND
PCB 1242		NG/KG	ND	ND	ND	ND	ND
PCB 1248	310000	NG/KG	ND	ND	ND	ND	ND
PCB 1254	130000	NG/KG	ND	ND	ND	ND	ND
PCB 1260	86000	NG/KG	ND	ND	ND	ND	ND
PCB 1262		NG/KG	ND	ND	ND	ND	ND
Aldrin + Dieldrin	71000	NG/KG	0	0	0	0	0
Hexachlorocyclohexanes	45000	NG/KG	0	0	0	0	0
DDT and derivatives	71000	NG/KG	0	0	0	29500	38000
Chlordane + related cmpds.	48000	NG/KG	0	0	43500	73500	32500
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	36500	24000	43500	125000	70500

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Chlorinated Pesticide Analysis
From 01-JAN-2004 To 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN 30-NOV-2004 P281090	MBCDEWCN 31-DEC-2004 P284307	Annual Average
Aldrin	71000	NG/KG	ND	ND	ND
Dieldrin	35000	NG/KG	ND	ND	ND
BHC, Alpha isomer	28000	NG/KG	ND	ND	ND
BHC, Beta isomer	45000	NG/KG	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND	0
BHC, Delta isomer	28000	NG/KG	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	ND
p,p-DDE	28000	NG/KG	58000	36500	13500
p,p-DDT	35000	NG/KG	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	ND	ND
o,p-DDE	52000	NG/KG	ND	ND	ND
o,p-DDT	71000	NG/KG	ND	ND	ND
Heptachlor	28000	NG/KG	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND
Alpha (cis) Chlordane	28000	NG/KG	ND	31500	15083
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	ND
Alpha Chlordene		NG/KG	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA
Oxychlordane	28000	NG/KG	ND	ND	ND
Trans Nonachlor	18000	NG/KG	ND	ND	6875
Cis Nonachlor	52000	NG/KG	ND	ND	ND
Alpha Endosulfan	18000	NG/KG	ND	ND	ND
Beta Endosulfan	28000	NG/KG	ND	ND	ND
Endosulfan Sulfate	45000	NG/KG	ND	ND	ND
Endrin aldehyde	52000	NG/KG	ND	ND	ND
Toxaphene	130000	NG/KG	ND	ND	ND
Mirex	18000	NG/KG	ND	ND	ND
Methoxychlor	71000	NG/KG	ND	ND	ND
PCB 1016	260000	NG/KG	ND	ND	ND
PCB 1221	580000	NG/KG	ND	ND	ND
PCB 1232	220000	NG/KG	ND	ND	ND
PCB 1242		NG/KG	ND	ND	ND
PCB 1248	310000	NG/KG	ND	ND	ND
PCB 1254	130000	NG/KG	ND	ND	ND
PCB 1260	86000	NG/KG	ND	ND	ND
PCB 1262		NG/KG	ND	ND	ND
Aldrin + Dieldrin	71000	NG/KG	0	0	0
Hexachlorocyclohexanes	45000	NG/KG	0	0	0
DDT and derivatives	71000	NG/KG	58000	36500	13500
Chlordane + related cmpds.	48000	NG/KG	0	31500	15083
Polychlorinated biphenyls	580000	NG/KG	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	58000	68000	35458

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

POINT LOMA WASTEWATER TREATMENT PLANT
Quarterly Sludge Project
Herbicide Analysis
From 01-JAN-2004 To 31-DEC-2004

Sampling: AM Analysis: KD

Date:			MBCDEWCN 29-FEB-2004	MBCDEWCN 31-MAY-2004	MBCDEWCN 31-AUG-2004	MBCDEWCN 31-OCT-2004
Sample:	MDL	Units	P248488	P258923	P270291	P277884
2,4-dichlorophenoxyacetic acid	6.84	MG/KG	ND	ND	ND	ND
2,4,5-TP (Silvex)	6.33	MG/KG	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
From 01-JAN-2004 To 31-DEC-2004
QUARTERLY SLUDGE PROJECT
Tributyl Tin (SLUDGE)

Source		MBCDEWCN	MBCDEWCN
Data		31-MAY-2004	31-OCT-2004
Sample	MDL	P258923	P277884
Monobutyl Tin	UG/KG	ND	ND
Tributyl tin	UG/KG	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
SEMI-ANNUAL SLUDGE PROJECT- Organophosphorus PesticidesEPA Method 614/622 (with additions)

From 01-JAN-2004 To 31-DEC-2004

Sampling: LC,MC,BGB,RJ,SKB,HHD,NC
Analysis: CW,TB,KD

Analyte	MDL	Units	PLE 11-MAY-2004 P253880	PLE 05-OCT-2004 P271532	PLR 11-MAY-2004 P253885	PLR 05-OCT-2004 P271537	MBC_COMBCN 11-MAY-2004 P253895
Demeton O	.2	UG/L	ND	ND	ND	ND	ND
Demeton S	.08	UG/L	ND	ND	ND	ND	ND
Diazinon	.07	UG/L	0.1	ND	0.1	0.1	ND
Guthion	.15	UG/L	ND	ND	ND	ND	ND
Malathion	.07	UG/L	0.1	0.4	0.1	0.4	ND
Parathion	.06	UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.1	0.4	0.1	0.4	0.0
Demeton -O, -S	.2	UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3	UG/L	0.2	0.4	0.2	0.6	0.0
Tetraethylpyrophosphate		UG/L	NA	NA	NA	NA	NA
Dichlorvos	.05	UG/L	ND	ND	ND	ND	ND
Dibrom	.2	UG/L	ND	ND	ND	ND	ND
Ethoprop	.04	UG/L	ND	ND	ND	ND	ND
Phorate	.04	UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04	UG/L	ND	ND	ND	ND	ND
Disulfoton	.08	UG/L	ND	ND	ND	ND	ND
Monocrotophos		UG/L	NA	NA	NA	NA	NA
Dimethoate	.06	UG/L	ND	ND	ND	ND	ND
Ronnel	.06	UG/L	ND	ND	ND	ND	ND
Trichloronate	.07	UG/L	ND	ND	ND	ND	ND
Merphos	.09	UG/L	ND	ND	ND	ND	ND
Dichlofenthion	.08	UG/L	ND	ND	ND	ND	ND
Tokuthion	.07	UG/L	ND	ND	ND	ND	ND
Stirophos	.08	UG/L	ND	ND	ND	ND	ND
Bolstar	.1	UG/L	ND	ND	ND	ND	ND
Fensulfothion	.15	UG/L	ND	ND	ND	ND	ND
EPN	.09	UG/L	ND	ND	ND	ND	ND
Coumaphos	.15	UG/L	ND	ND	ND	ND	ND
Mevinphos, e isomer	.05	UG/L	ND	ND	ND	ND	ND
Mevinphos, z isomer	.3	UG/L	NA	ND	NA	ND	ND
Chlorpyrifos	.07	UG/L	ND	ND	ND	0.1	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
SEMI-ANNUAL SLUDGE PROJECT- Organophosphorus PesticidesEPA Method 614/622 (with additions)

From 01-JAN-2004 To 31-DEC-2004

Sampling: LC,MC,BGB,RJ,SKB,HHD,NC
Analysis: CW,TB,KD

Analyte	MDL	Units	MBC_COMBCN 05-OCT-2004 P271547	MBC_NC_DSL 11-MAY-2004 P253955	MBC_NC_DSL 05-OCT-2004 P271607	MBC_NC_RSL 11-MAY-2004 P253953	MBC_NC_RSL 05-OCT-2004 P271605
Demeton O	.2	UG/L	ND	ND	ND	ND	ND
Demeton S	.08	UG/L	ND	ND	ND	ND	ND
Diazinon	.07	UG/L	ND	ND	ND	ND	ND
Guthion	.15	UG/L	ND	ND	ND	ND	ND
Malathion	.07	UG/L	ND	ND	ND	ND	ND
Parathion	.06	UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.0	0.0	0.0	0.0	0.0
Demeton -O, -S	.2	UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3	UG/L	0.0	0.0	0.0	0.0	0.0
Tetraethylpyrophosphate		UG/L	NA	NA	NA	NA	NA
Dichlorvos	.05	UG/L	ND	ND	ND	ND	ND
Dibrom	.2	UG/L	ND	ND	ND	ND	ND
Ethoprop	.04	UG/L	ND	ND	ND	ND	ND
Phorate	.04	UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04	UG/L	ND	ND	ND	ND	ND
Disulfoton	.08	UG/L	ND	ND	ND	ND	ND
Monocrotophos		UG/L	NA	NA	NA	NA	NA
Dimethoate	.06	UG/L	ND	ND	ND	ND	ND
Ronnel	.06	UG/L	ND	ND	ND	ND	ND
Trichloronate	.07	UG/L	ND	ND	ND	ND	ND
Merphos	.09	UG/L	ND	ND	ND	ND	ND
Dichlofenthion	.08	UG/L	ND	ND	ND	ND	ND
Tokuthion	.07	UG/L	ND	ND	ND	ND	ND
Stirophos	.08	UG/L	ND	ND	ND	ND	ND
Bolstar	.1	UG/L	ND	ND	ND	ND	ND
Fensulfothion	.15	UG/L	ND	ND	ND	ND	ND
EPN	.09	UG/L	ND	ND	ND	ND	ND
Coumaphos	.15	UG/L	ND	ND	ND	ND	ND
Mevinphos, e isomer	.05	UG/L	ND	ND	ND	ND	ND
Mevinphos, z isomer	.3	UG/L	ND	ND	ND	ND	ND
Chlorpyrifos	.07	UG/L	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
SEMI-ANNUAL SLUDGE PROJECT- Organophosphorus PesticidesEPA Method 614/622 (with additions)

From 01-JAN-2004 To 31-DEC-2004

Sampling: LC,MC,BGB,RJ,SKB,HHD,NC

Analysis: CW,TB,KD

Analyte	MDL	Units	RAW COMP 11-MAY-2004 P253925	RAW COMP 05-OCT-2004 P271577	DIG COMP 11-MAY-2004 P253939	DIG COMP 05-OCT-2004 P271591
Demeton O	.2	UG/L	ND	ND	ND	ND
Demeton S	.08	UG/L	ND	ND	ND	ND
Diazinon	.07	UG/L	3.3	ND	ND	ND
Guthion	.15	UG/L	ND	ND	ND	ND
Malathion	.07	UG/L	ND	ND	ND	ND
Parathion	.06	UG/L	ND	ND	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.0	0.0	0.0	0.0
Demeton -O, -S	.2	UG/L	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3	UG/L	13.3	8.9	10.9	7.4
Tetraethylpyrophosphate		UG/L	NA	NA	NA	NA
Dichlorvos	.05	UG/L	ND	ND	ND	ND
Dibrom	.2	UG/L	ND	ND	ND	ND
Ethoprop	.04	UG/L	ND	ND	ND	ND
Phorate	.04	UG/L	ND	ND	ND	ND
Sulfotepp	.04	UG/L	ND	ND	ND	ND
Disulfoton	.08	UG/L	ND	ND	ND	ND
Monocrotophos		UG/L	NA	NA	NA	NA
Dimethoate	.06	UG/L	ND	ND	ND	ND
Ronnel	.06	UG/L	ND	ND	ND	ND
Trichloronate	.07	UG/L	ND	ND	ND	ND
Merphos	.09	UG/L	ND	ND	ND	ND
Dichlofenthion	.08	UG/L	ND	ND	ND	ND
Tokuthion	.07	UG/L	ND	ND	ND	ND
Stirophos	.08	UG/L	ND	ND	ND	ND
Bolstar	.1	UG/L	ND	ND	ND	ND
Fensulfothion	.15	UG/L	ND	ND	ND	ND
EPN	.09	UG/L	ND	ND	ND	ND
Coumaphos	.15	UG/L	ND	ND	ND	ND
Mevinphos, e isomer	.05	UG/L	ND	ND	ND	ND
Mevinphos, z isomer	.3	UG/L	ND	ND	ND	ND
Chlorpyrifos	.07	UG/L	10.0	8.9	10.9	7.4

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

POINT LOMA WASTEWATER TREATMENT PLANT
Organophosphorus Pesticides EPA Method 614/622 (with additions)

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN 31-MAY-2004 P258923	MBCDEWCN 31-OCT-2004 P277884
Demeton O	67	UG/KG	ND	ND
Demeton S	27	UG/KG	ND	ND
Diazinon		UG/KG	32.5	28.0
Guthion	33	UG/KG	ND	ND
Malathion	20	UG/KG	ND	ND
Parathion	20	UG/KG	ND	ND
Additional analytes determined;				
Tetraethylpyrophosphate		UG/KG	NA	NA
Dichlorvos	17	UG/KG	ND	ND
Dibrom		UG/KG	ND	ND
Ethoprop	27	UG/KG	ND	ND
Phorate	17	UG/KG	ND	ND
Sulfotepp	17	UG/KG	ND	ND
Disulfoton	20	UG/KG	ND	ND
Monocrotophos		UG/KG	NA	NA
Dimethoate	27	UG/KG	ND	ND
Ronnel	20	UG/KG	ND	ND
Trichloronate	20	UG/KG	ND	ND
Merphos	17	UG/KG	ND	ND
Dichlofenthion	20	UG/KG	ND	ND
Tokuthion	17	UG/KG	ND	ND
Stirophos	20	UG/KG	72.0	ND
Bolstar	50	UG/KG	ND	ND
Fensulfothion	100	UG/KG	ND	ND
EPN	33	UG/KG	ND	ND
Coumaphos	33	UG/KG	ND	ND
Mevinphos, e isomer	17	UG/KG	ND	ND
Mevinphos, z isomer	100	UG/KG	NA	ND
Chlorpyrifos		UG/KG	425.0	190.0
Thiophosphorus Pesticides	33	UG/KG	0.0	0.0
Demeton -O, -S	67	UG/KG	0.0	0.0
Total Organophosphorus Pesticides	100	UG/KG	529.5	218.0

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

POINT LOMA WASTEWATER TREATMENT PLANT
From 01-JAN-2004 to 31-DEC-2004
ANUUAL SLUDGE
Base/Neutrals

Analyte	MDL	Units	MBCDEWCN 29-FEB-2004 P248488	MBCDEWCN 31-MAY-2004 P258923	MBCDEWCN 31-AUG-2004 P270291	MBCDEWCN 31-OCT-2004 P277884
bis(2-chloroethyl) ether	330	UG/KG	ND	ND	ND	ND
1,3-dichlorobenzene	330	UG/KG	ND	ND	ND	ND
1,4-dichlorobenzene	330	UG/KG	765	1520	1380	1820
1,2-dichlorobenzene	330	UG/KG	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	330	UG/KG	ND	ND	ND	ND
N-nitrosodi-n-propylamine	330	UG/KG	ND	ND	ND	ND
Nitrobenzene	330	UG/KG	ND	ND	ND	ND
Hexachloroethane	330	UG/KG	ND	ND	ND	ND
Isophorone	330	UG/KG	ND	ND	ND	ND
bis(2-chloroethoxy)methane	330	UG/KG	ND	ND	ND	ND
1,2,4-trichlorobenzene	330	UG/KG	ND	ND	ND	ND
Naphthalene	330	UG/KG	812	ND	774	1100
Hexachlorobutadiene	330	UG/KG	ND	ND	ND	ND
Hexachlorocyclopentadiene	330	UG/KG	ND	ND	ND	ND
2-chloronaphthalene		UG/KG	ND	ND	ND	ND
Acenaphthylene	330	UG/KG	ND	ND	ND	ND
Dimethyl phthalate	330	UG/KG	ND	ND	<330	ND
2,6-dinitrotoluene	330	UG/KG	ND	ND	ND	ND
Acenaphthene	330	UG/KG	ND	ND	ND	ND
2,4-dinitrotoluene	330	UG/KG	ND	ND	ND	ND
Fluorene	330	UG/KG	837	ND	ND	377
4-chlorophenyl phenyl ether	330	UG/KG	ND	ND	ND	ND
Diethyl phthalate	330	UG/KG	<330	ND	ND	408
N-nitrosodiphenylamine	330	UG/KG	ND	ND	ND	673
4-bromophenyl phenyl ether	330	UG/KG	ND	ND	ND	ND
Hexachlorobenzene	330	UG/KG	ND	ND	ND	ND
Phenanthrene	330	UG/KG	1530	ND	ND	1100
Anthracene	330	UG/KG	ND	ND	ND	ND
Di-n-butyl phthalate	330	UG/KG	896	ND	946	1030
N-nitrosodimethylamine	330	UG/KG	ND	ND	ND	ND
Fluoranthene	330	UG/KG	ND	ND	ND	ND
Pyrene	330	UG/KG	ND	ND	526	702
Butyl benzyl phthalate	330	UG/KG	4760	3430	5340	4880
Chrysene	330	UG/KG	ND	ND	ND	ND
Benzo[A]anthracene	330	UG/KG	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	330	UG/KG	82100	85100	147000	137000
Di-n-octyl phthalate	330	UG/KG	ND	ND	ND	13500
Benzo[K]fluoranthene	330	UG/KG	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	330	UG/KG	ND	ND	ND	ND
Benzo[A]pyrene	330	UG/KG	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	330	UG/KG	ND	ND	ND	ND
Dibenzo(A,H)anthracene	330	UG/KG	ND	ND	ND	ND
Benzo[G,H,I]perylene	330	UG/KG	ND	ND	ND	ND
1,2-diphenylhydrazine		UG/KG	ND	ND	ND	ND
PolyNuc. Aromatic Hydrocarbons	330	UG/KG	2367	0	526	2179
Dichlorobenzenes	330	UG/KG	765	1520	1380	1820
Base/Neutral Compounds	330	UG/KG	91700	90050	155966	162590
Additional analytes determined;						
1-methylnaphthalene		UG/KG	1930	ND	1090	1450
2-methylnaphthalene		UG/KG	2720	1590	1700	2410
2,6-dimethylnaphthalene		UG/KG	2960	1540	1280	2140
2,3,5-trimethylnaphthalene		UG/KG	ND	ND	ND	ND
1-methylphenanthrene		UG/KG	ND	ND	ND	ND
Benzo[e]pyrene		UG/KG	ND	ND	ND	ND
Perylene	330	UG/KG	ND	ND	ND	ND
Biphenyl		UG/KG	ND	ND	ND	383
Pyridine		UG/KG	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE
Phenolics

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN 29-FEB-2004 P248488	MBCDEWCN 31-MAY-2004 P258923	MBCDEWCN 31-AUG-2004 P270291	MBCDEWCN 31-OCT-2004 P277884	Average 800 UG/KG
2,4,6-trichlorophenol	330	UG/KG	ND	ND	ND	ND	ND
2,4-dichlorophenol	330	UG/KG	ND	ND	ND	ND	ND
2,4-dimethylphenol	330	UG/KG	ND	ND	ND	ND	ND
2,4-dinitrophenol	330	UG/KG	*	ND	ND	ND	ND
2-methyl-4,6-dinitrophenol	800	UG/KG	*	ND	ND	ND	ND
2-chlorophenol	330	UG/KG	ND	ND	ND	ND	ND
2-nitrophenol	330	UG/KG	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	330	UG/KG	ND	ND	ND	ND	ND
4-nitrophenol	800	UG/KG	ND	ND	ND	ND	ND
Pentachlorophenol	800	UG/KG	ND	ND	ND	ND	ND
Phenol	330	UG/KG	127000	100000	ND	170000	99250
Total Non-Chlorinated Phenols	800	UG/KG	133470	114500	6230	182200	109100
Total Chlorinated Phenols	800	UG/KG	0	0	0	0	0
Phenols	800	UG/KG	133470	114500	6230	182200	109100
Phenols average	800	UG/KG	14111	9091	ND	15455	9664
Additional analytes determined;							
2-methylphenol	330	UG/KG	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	330	UG/KG	NA	NA	NA	NA	NA
4-methylphenol(3-MP is unresolved)	330	UG/KG	6470	14500	6230	12200	9850
2,4,5-trichlorophenol	800	UG/KG	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL BIOSOLIDS Purgeables

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN 31-JAN-2004 P245713	MBCDEWCN 29-FEB-2004 P248488	MBCDEWCN 31-MAR-2004 P251978	MBCDEWCN 30-APR-2004 P255806	MBCDEWCN 31-MAY-2004 P258923	MBCDEWCN 30-JUN-2004 P262257
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND	<29
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
Carbon disulfide	34	UG/KG	102	81	89	74	74	102
Acetone	185	UG/KG	4420	6970	3160	3960	3390	4140
Methylene chloride	62.5	UG/KG	1050	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
2-butanone		UG/KG	2840	5300	1690	2690	1680	1930
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	UG/KG	<48	<48	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	31.1	UG/KG	ND	ND	ND	ND	ND	ND
Ethylbenzene	90.5	UG/KG	ND	ND	ND	<91	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	16.1	UG/KG	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene		UG/KG	455	611	376	451	618	747
1,2-dichlorobenzene	28.7	UG/KG	<29	45	ND	ND	ND	ND
Purgeable Compounds	275	UG/KG	8412	<12351	4939	6724	5144	6172

Additional analytes determined;

Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	34	UG/KG	ND	ND	ND	ND	ND	ND
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Dibromofluoromethane		UG/KG	769	792	823	841	844	813
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	61	74	66	55	70	88
ortho-xylene	23	UG/KG	32	40	38	23	39	45
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Styrene	19	UG/KG	ND	ND	ND	<19	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL BIOSOLIDS Purgeables

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN 31-JUL-2004 P266275	MBCDEWCN 31-AUG-2004 P270291	MBCDEWCN 30-SEP-2004 P273638	MBCDEWCN 31-OCT-2004 P277884	MBCDEWCN 30-NOV-2004 P281090	MBCDEWCN 31-DEC-2004 P284307
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
Carbon disulfide	34	UG/KG	118	107	216	99	93	80
Acetone	185	UG/KG	4000	7560	9600	11400	4900	4790
Methylene chloride	62.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
2-butanone		UG/KG	1880	3540	4710	5880	5080	5800
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1,1,1-trichloroethane	27.4	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	15.6	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	UG/KG	ND	ND	ND	<48	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	<22	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	31.1	UG/KG	ND	ND	ND	48	ND	ND
Ethylbenzene	90.5	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	26.1	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND	ND	ND	ND	ND	ND
1,3-dichlorobenzene	16.1	UG/KG	ND	<16	ND	<16	<16	ND
1,4-dichlorobenzene		UG/KG	541	419	560	569	406	408
1,2-dichlorobenzene	28.7	UG/KG	ND	ND	61	103	ND	ND
Purgeable Compounds	275	UG/KG	5998	11207	14526	17427	10073	10670

Additional analytes determined;

Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	34	UG/KG	ND	ND	ND	ND	ND	ND
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Dibromofluoromethane		UG/KG	908	856	1020	825	897	927
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	101	65	77	88	91	48
ortho-xylene	23	UG/KG	43	<23	38	47	55	<23
Isopropylbenzene	17	UG/KG	ND	<17	ND	<17	29	<17
Styrene	19	UG/KG	ND	ND	ND	<19	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	24	ND	ND

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL BIOSOLIDS Purgeables

From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	Average
Chloromethane	25.8	UG/KG	ND
Vinyl chloride	26.2	UG/KG	ND
Bromomethane	29.2	UG/KG	0
Chloroethane	61	UG/KG	ND
Trichlorofluoromethane	28	UG/KG	ND
1,1-dichloroethene	25.1	UG/KG	ND
Carbon disulfide	34	UG/KG	103
Acetone	185	UG/KG	5691
Methylene chloride	62.5	UG/KG	88
trans-1,2-dichloroethene	24.9	UG/KG	ND
1,1-dichloroethane	25.7	UG/KG	ND
2-butanone		UG/KG	3585
Chloroform	25.6	UG/KG	ND
1,1,1-trichloroethane	27.4	UG/KG	ND
Carbon tetrachloride	15.6	UG/KG	ND
Benzene	26.5	UG/KG	ND
1,2-dichloroethane	20.5	UG/KG	ND
Trichloroethene	25.3	UG/KG	ND
1,2-dichloropropane	25.5	UG/KG	ND
Bromodichloromethane	17	UG/KG	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND
Toluene	48	UG/KG	<0
trans-1,3-dichloropropene	17	UG/KG	ND
1,1,2-trichloroethane	35.1	UG/KG	ND
Tetrachloroethene	21.5	UG/KG	0
Dibromochloromethane	24.2	UG/KG	ND
Chlorobenzene	31.1	UG/KG	4
Ethylbenzene	90.5	UG/KG	0
Bromoform	26.1	UG/KG	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND
1,3-dichlorobenzene	16.1	UG/KG	0
1,4-dichlorobenzene		UG/KG	513
1,2-dichlorobenzene	28.7	UG/KG	17
Purgeable Compounds	275	UG/KG	9470

Additional Analytes determined;

Acrolein	70.9	UG/KG	ND
Methyl Iodide	19	UG/KG	ND
Allyl chloride	25	UG/KG	ND
Methyl tert-butyl ether	34	UG/KG	ND
Acrylonitrile	275	UG/KG	ND
Chloroprene	17	UG/KG	ND
Dibromofluoromethane		UG/KG	860
Methyl methacrylate	36	UG/KG	ND
2-nitropropane		UG/KG	ND
4-methyl-2-pentanone	24	UG/KG	ND
1,2-dibromoethane	17	UG/KG	ND
meta,para xylenes	35	UG/KG	74
ortho-xylene	23	UG/KG	33
Isopropylbenzene	17	UG/KG	2
Styrene	19	UG/KG	0
Benzyl chloride	38	UG/KG	ND
1,2,4-trichlorobenzene	17	UG/KG	2

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

POINT LOMA WASTEWATER TREATMENT PLANT
QUARTERLY SLUDGE - Dioxins analysis
From 01-JAN-2004 to 31-DEC-2004

Analyte	MDL	Units	MBCDEWCN 31-MAY-2004 P258923	MBCDEWCN 31-OCT-2004 P277884
2,3,7,8-tetra CDD	.48	NG/KG	ND	ND
1,2,3,7,8-penta CDD	14	NG/KG	ND	ND
1,2,3,4,7,8_hexa_CDD	7.5	NG/KG	ND	ND
1,2,3,6,7,8-hexa CDD		NG/KG	13	56
1,2,3,7,8,9-hexa CDD	6.2	NG/KG	ND	27
1,2,3,4,6,7,8-hepta CDD		NG/KG	220	380
octa CDD		NG/KG	1900	2000
2,3,7,8-tetra CDF	2.3	NG/KG	ND	5
1,2,3,7,8-penta CDF	1.4	NG/KG	ND	ND
2,3,4,7,8-penta CDF	1.5	NG/KG	ND	ND
1,2,3,4,7,8-hexa CDF	5.6	NG/KG	ND	ND
1,2,3,6,7,8-hexa CDF	2.7	NG/KG	ND	ND
1,2,3,7,8,9-hexa CDF	1.5	NG/KG	ND	ND
2,3,4,6,7,8-hexa CDF	4.1	NG/KG	ND	ND
1,2,3,4,6,7,8-hepta CDF		NG/KG	92	75
1,2,3,4,7,8,9-hepta CDF	3.2	NG/KG	ND	ND
octa CDF		NG/KG	300	285

H. Results of "Title 22" Sludge Hazardous Waste Tests

Title 22 CCR Summary Tables

Concentrations of Title 22 analytes (metals and organics) both on a wet weight and dry weight concentration basis for monthly composite of daily samples of sludge being hauled from the Metro Biosolids Center.

The tables list the TTLC (Total Threshold Limit Concentration) or STLC (Soluble Threshold Limit Concentration) limits in the left column for each analyte.

Definitions:
MBCDEWCN= Metro Biosolids Center dewatered sludge.

CALIFORNIA HAZARDOUS WASTE IDENTIFICATION TEST (TITLE 22)

METRO BIOSOLIDS CENTER (MBC)

METALS **WET WEIGHT Concentration (calculated)**

ANALYTE	TTLC Wet wt mg/Kg	MBCDEWCN JAN 2004 P245713	MBCDEWCN FEB 2004 P248488	MBCDEWCN MAR 2004 P251978	MBCDEWCN APR 2004 P255806	MBCDEWCN MAY 2004 P258923	MBCDEWCN JUN 2004 P262257	MBCDEWCN JUL 2004 P266275	MBCDEWCN AUG 2004 P270291	MBCDEWCN SEP 2004 P273638	MBCDEWCN OCT 2004 P277884	MBCDEWCN NOV 2004 P281090	MBCDEWCN DEC 2004 P284307
ANTIMONY	500	< 13.80	< 14.45	< 14.70	< 14.20	< 13.45	0.70	0.75	0.63	0.87	0.74	0.57	0.61
ARSENIC	500	0.9	0.8	1.2	1.3	0.7	0.6	0.9	0.8	1.1	1.1	1.8	1.7
BARIUM	10000	187	27	178	144	137	130	108	52	90	64	145	152
BERYLLIUM	75	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CADMIUM	100	< 1.4	< 1.4	< 1.5	< 1.4	< 1.3	0.6	0.6	0.6	0.7	0.6	0.6	0.5
CHROMIUM(VI)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM(total)	2500	11	10	10	14	11	10	10	9	11	12	15	14
COBALT	8000	1.2	0.9	< 0.8	3.3	2.0	0.8	0.9	0.9	0.9	0.9	0.9	0.6
COPPER	2500	157	147	155	158	158	163	180	158	167	164	192	171
LEAD	1000	< 8	< 8	< 9	< 8	< 8	7	8	7	7	7	8	6
MERCURY	20	0.50	0.46	0.47	0.37	0.40	0.64	0.28	0.25	0.41	0.25	0.24	0.26
MOLYBDENUM	3500	4.8	5.3	4.2	3.9	5.8	5.9	6.0	6.0	6.9	6.5	6.1	5.1
NICKEL	2000	10	9	10	2	8	9	8	8	8	9	10	8
SELENIUM	100	1.1	1.3	1.5	0.7	1.4	1.3	0.8	1.4	1.3	1.2	1.2	1.3
SILVER	500	5	6	6	5	6	6	6	6	5	5	6	5
THALLIUM	700	< 6.35	< 6.65	< 6.76	< 6.53	< 6.19	< 0.21	< 0.21	< 0.21	< 0.21	< 0.21	< 0.23	< 0.22
VANADIUM	2400	19	16	19	12	8	13	14	14	11	9	11	9
ZINC	5000	228	227	224	218	226	191	229	222	230	216	246	237
FLUORIDE	18000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SULFIDES-REACTIVE	NA	6	12	< 3	10	17	9	19	22	19	19	11	8
SULFIDES-TOTAL	NA	3947	4133	3205	3394	4479	6102	5185	4357	4678	6170	4187	4205
TOTAL SOLIDS (%)		27.6	28.9	29.4	28.4	26.9	27.0	27.8	27.4	27.2	27.3	29.8	29.1

DRY WEIGHT Concentration

ANALYTE	TTLC Wet wt mg/Kg	MBCDEWCN JAN 2004 P245713	MBCDEWCN FEB 2004 P248488	MBCDEWCN MAR 2004 P251978	MBCDEWCN APR 2004 P255806	MBCDEWCN MAY 2004 P258923	MBCDEWCN JUN 2004 P262257	MBCDEWCN JUL 2004 P266275	MBCDEWCN AUG 2004 P270291	MBCDEWCN SEP 2004 P273638	MBCDEWCN OCT 2004 P277884	MBCDEWCN NOV 2004 P281090	MBCDEWCN DEC 2004 P284307
ANTIMONY	500	< 50.0	< 50.0	< 50.0	< 50.0	< 50.0	2.6	2.7	2.3	3.2	2.7	1.9	2.1
ARSENIC	500	3.3	2.6	4.1	4.5	2.7	2.4	3.4	3.1	4.1	3.9	5.9	5.8
BARIUM	10000	676	93	604	507	510	481	389	190	331	234	487	521
BERYLLIUM	75	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1
CADMIUM	100	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	2.3	2.3	2.0	2.5	2.2	2.2	1.8
CHROMIUM(VI)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM(total)	2500	40	33	34	49	42	35.7	34.9	33.2	39.6	42.2	50	48.2
COBALT	8000	4.5	3.2	< 2.8	11.7	7.4	3.0	3.1	3.3	3.3	3.2	2.9	2.2
COPPER	2500	568	510	526	557	589	602	647	575	615	601	645	589
LEAD	1000	< 29	< 29	< 29	< 29	< 29	24.4	27.3	25.1	26.3	27.4	28.2	21.5
MERCURY	20	1.8	1.6	1.6	1.3	1.5	2.4	1.0	0.9	1.5	0.9	0.8	0.9
MOLYBDENUM	3500	17.3	18.4	14.4	13.7	21.6	22	21.7	22	25.5	23.8	20.5	17.6
NICKEL	2000	36	32	33	8	29	32.3	30	30.9	30.4	31.8	32.7	27.9
SELENIUM	100	4.1	4.5	5.0	2.5	5.4	4.9	3.0	5.1	4.8	4.3	4.0	4.5
SILVER	500	18.3	22	20	16	22	22.7	20.5	20.4	19.8	18.8	20.3	18.5
THALLIUM	700	< 23	< 23	< 23	< 23	< 23	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771
VANADIUM	2400	70.4	56.6	64.7	41.8	29.4	47.9	50.6	50.7	40.5	33.1	36.8	30.1
ZINC	5000	827	785	761	769	842	707	822	810	847	791	826	815
FLUORIDE	18000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SULFIDES-REACTIVE	NA	23	42.0	< 11	36	62.0	34	69	82	70	69	36	26
SULFIDES-TOTAL	NA	14300	14300	10900	11950	16650	22600	18650	15900	17200	22600	14050	14450

TTLC = Total Threshold Limit Concentration STLC = Soluble Threshold Limit Concentration

NA = Not Analyzed, NS = Not Sampled * = The total concentration is less than 10 times the the STLC, therefore by definition this substance is below hazardous concentrations.

ORGANICS

WET WEIGHT Concentration (calculated)

ANALYTE	TTLC Wet wt mg/Kg	MBCDEWCN JAN 2004 P245713	MBCDEWCN FEB 2004 P248488	MBCDEWCN MAR 2004 P251978	MBCDEWCN APR 2004 P255806	MBCDEWCN MAY 2004 P258923	MBCDEWCN JUN 2004 P262257	MBCDEWCN JUL 2004 P266275	MBCDEWCN AUG 2004 P270291	MBCDEWCN SEP 2004 P273638	MBCDEWCN OCT 2004 P277884	MBCDEWCN NOV 2004 P281090	MBCDEWCN DEC 2004 P284307
ALDRIN	1.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLORDANE	2.5	nd	nd	nd	nd	nd	nd	0.007	0.012	0.026	0.009	nd	nd
DDT,DDE,DDD	1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.0092
2,4-DCPAA	100	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DIELDRIN	8.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ENDRIN	0.20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
HEPTACHLOR	4.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
KEPONE	21	NA	NA	NA	NA	NA	NA	nd	NA	NA	NA	NA	NA
LINDANE	4	nd	nd	nd	nd	nd	nd	nd	0.006	nd	nd	nd	nd
METHOXYCHLOR	100	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
MIREX	21	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
PENTACHLOROPHENOL	17	NA	nd	NA	nd	nd	nd	nd	nd	nd	nd	nd	nd
PCBs (TOTAL)	50	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOXAPHENE	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE	2040	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2,4,5-TCPPA	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOTAL SOLIDS (%)		27.6	28.9	29.4	28.4	26.9	27.0	27.8	27.4	27.2	27.3	29.8	29.1
pH	>6-<9	7.65	7.78	7.83	7.61	8.31	8.00	7.94	7.76	7.76	7.83	7.71	7.83

DRY WEIGHT Concentration

ANALYTE	TTLC Wet wt mg/Kg	MBCDEWCN JAN 2004 P245713	MBCDEWCN FEB 2004 P248488	MBCDEWCN MAR 2004 P251978	MBCDEWCN APR 2004 P255806	MBCDEWCN MAY 2004 P258923	MBCDEWCN JUN 2004 P262257	MBCDEWCN JUL 2004 P266275	MBCDEWCN AUG 2004 P270291	MBCDEWCN SEP 2004 P273638	MBCDEWCN OCT 2004 P277884	MBCDEWCN NOV 2004 P281090	MBCDEWCN DEC 2004 P284307
ALDRIN	1.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLORDANE	2.5	nd	nd	nd	nd	nd	nd	0.024	0.044	0.096	0.033	nd	nd
DDT,DDE,DDD	1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.032
2,4-DCPAA	100	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
DIELDRIN	8.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
ENDRIN	0.20	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
HEPTACHLOR	4.7	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
KEPONE	21	NA	NA	NA	NA	NA	NA	nd	NA	NA	NA	NA	NA
LINDANE	4	nd	nd	nd	nd	nd	nd	nd	0.021	nd	nd	nd	nd
METHOXYCHLOR	100	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
MIREX	21	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
PENTACHLOROPHENOL	17	NA	nd	NA	nd	nd	nd	nd	nd	nd	nd	nd	nd
PCBs (TOTAL)	50	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TOXAPHENE	5	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
TRICHLOROETHENE	2040	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
2,4,5-TCPPA	10	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd

TTLC = Total Threshold Limit Concentration STLC = Soluble Threshold Limit Concentration

WASTE EXTRACTION TEST - METALS

	STLC	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
	Wet wt	JAN 2004	FEB 2004	MAR 2004	APR 2004	MAY 2004	JUN 2004	JUL 2004	AUG 2004	SEP 2004	OCT 2004	NOV 2004	DEC 2004
ANALYTE	mg/L	P245713	P248488	P251978	P255806	P258923	P262257	P266275	P270291	P273638	P277884	P281090	P284307
ANTIMONY	15	*	*	*	*	*	*	*	*	*	*	*	*
ARSENIC	5.0	*	*	*	*	*	*	*	*	*	*	*	*
BARIUM	100	*	*	*	*	*	*	*	*	*	*	*	*
BERYLLIUM	0.75	*	*	*	*	*	*	*	*	*	*	*	*
CADMIUM	1.0	*	*	*	*	*	*	*	*	*	*	*	*
CHROMIUM(VI)	5.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM(total)	560	*	*	*	*	*	*	*	*	*	*	*	*
COBALT	80	*	*	*	*	*	*	*	*	*	*	*	*
COPPER	25	*	*	*	*	*	*	*	*	*	*	*	*
LEAD	5.0	*	*	*	*	*	*	*	*	*	*	*	*
MERCURY	0.2	*	*	*	*	*	*	*	*	*	*	*	*
MOLYBDENUM	350	*	*	*	*	*	*	*	*	*	*	*	*
NICKEL	20	*	*	*	*	*	*	*	*	*	*	*	*
SELENIUM	1.0	*	*	*	*	*	*	*	*	*	*	*	*
SILVER	5.0	*	*	*	*	*	*	*	*	*	*	*	*
THALLIUM	7.0	*	*	*	*	*	*	*	*	*	*	*	*
VANADIUM	24	*	*	*	*	*	*	*	*	*	*	*	*
ZINC	250	*	*	*	*	*	*	*	*	*	*	*	*

* = Since the total concentrations are less than 10 times the the STLC, this substance is below STLC limits by definition.

WASTE EXTRACTION TEST - ORGANICS

	STLC	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
	Wet wt	JAN 2004	FEB 2004	MAR 2004	APR 2004	MAY 2004	JUN 2004	JUL 2004	AUG 2004	SEP 2004	OCT 2004	NOV 2004	DEC 2004
ANALYTE	mg/L	P245713	P248488	P251978	P255806	P258923	P262257	P266275	P270291	P273638	P277884	P281090	P284307
ALDRIN	0.14	*	*	*	*	*	*	*	*	*	*	*	*
CHLORDANE	0.25	*	*	*	*	*	*	*	*	*	*	*	*
DDT,DDE,DDD	0.1	*	*	*	*	*	*	*	*	*	*	*	*
2,4-DCPAA	10	*	*	*	*	*	*	*	*	*	*	*	*
DIELDRIN	0.8	*	*	*	*	*	*	*	*	*	*	*	*
ENDRIN	0.02	*	*	*	*	*	*	*	*	*	*	*	*
HEPTACHLOR	0.47	*	*	*	*	*	*	*	*	*	*	*	*
KEPONE	2.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
LINDANE	0.4	*	*	*	*	*	*	*	*	*	*	*	*
METHOXYCHLOR	10	*	*	*	*	*	*	*	*	*	*	*	*
MIREX	2.1	*	*	*	*	*	*	*	*	*	*	*	*
PENTACHLOROPHENOL	1.7	NA	NA	NA	NA	NA	NA	NA	*	NA	NA	NA	NA
PCBs (TOTAL)	5	*	*	*	*	*	*	*	*	*	*	*	*
TOXAPHENE	0.5	*	*	*	*	*	*	*	*	*	*	*	*
TRICHLOROETHENE	204	*	*	*	*	*	*	*	*	*	*	*	*
2,4,5-TCPPA	1	*	*	*	*	*	*	*	*	*	*	*	*

TTLC = Total Threshold Limit Concentration STLC = Soluble Threshold Limit Concentration

NA = Not Analyzed, NS = Not Sampled

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