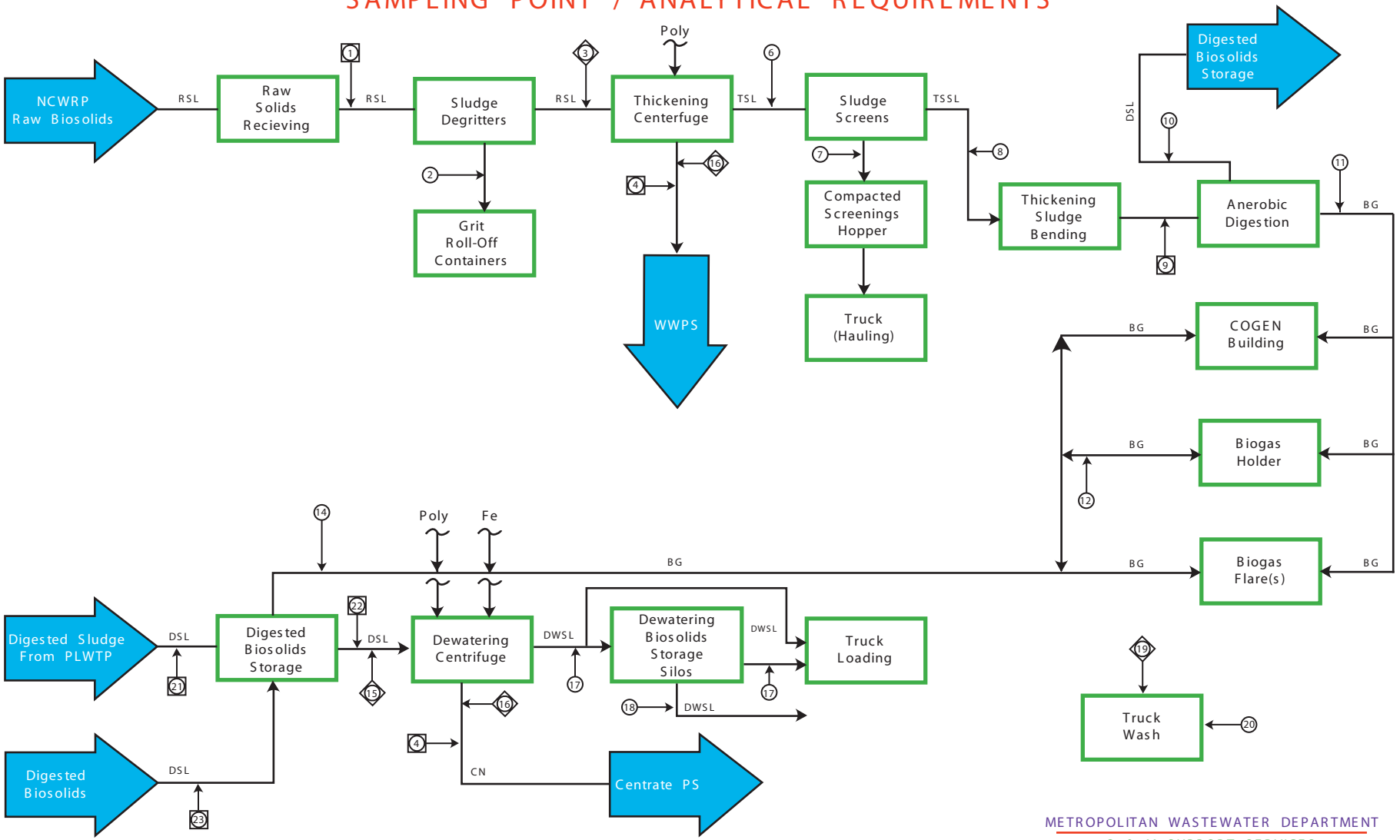
Metro Biosolids Center

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

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 (2005)
G. Solids Handling Annual Report
H. Results of "Title 22" Sludge Hazardous Waste Tests

A. Return Stream Data Summary

This section presents the results of analyses of the Metro Biosolids Center (MBC) return stream (MBC_COMBCN) for 2005. 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

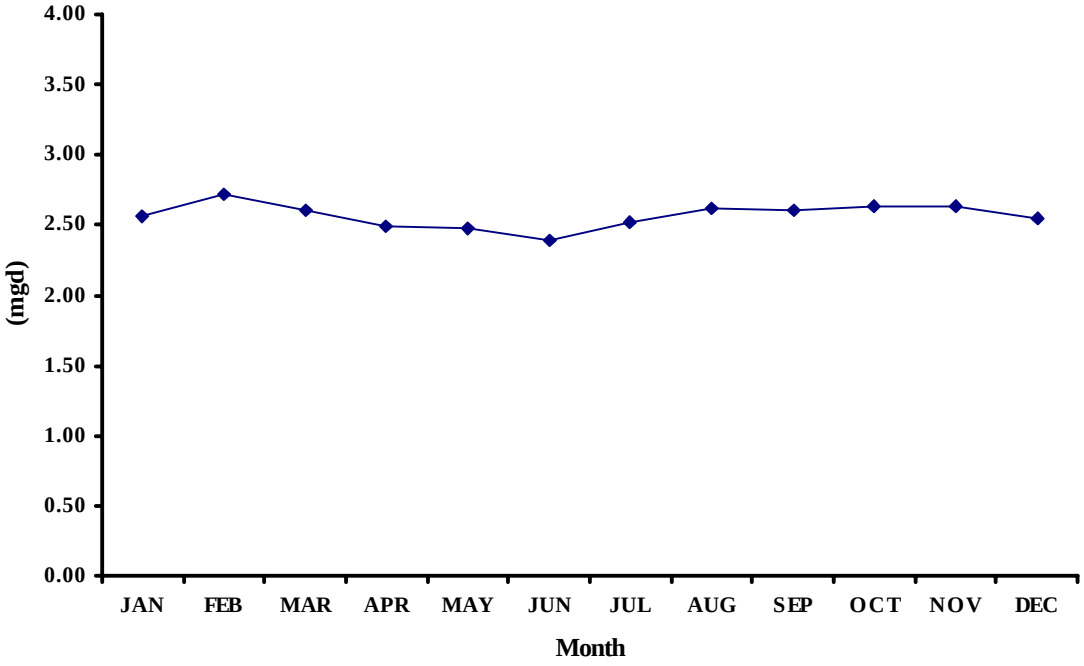
Monthly Averages of Daily Analyses

From 01-JAN-2005 To 31-DEC-2005

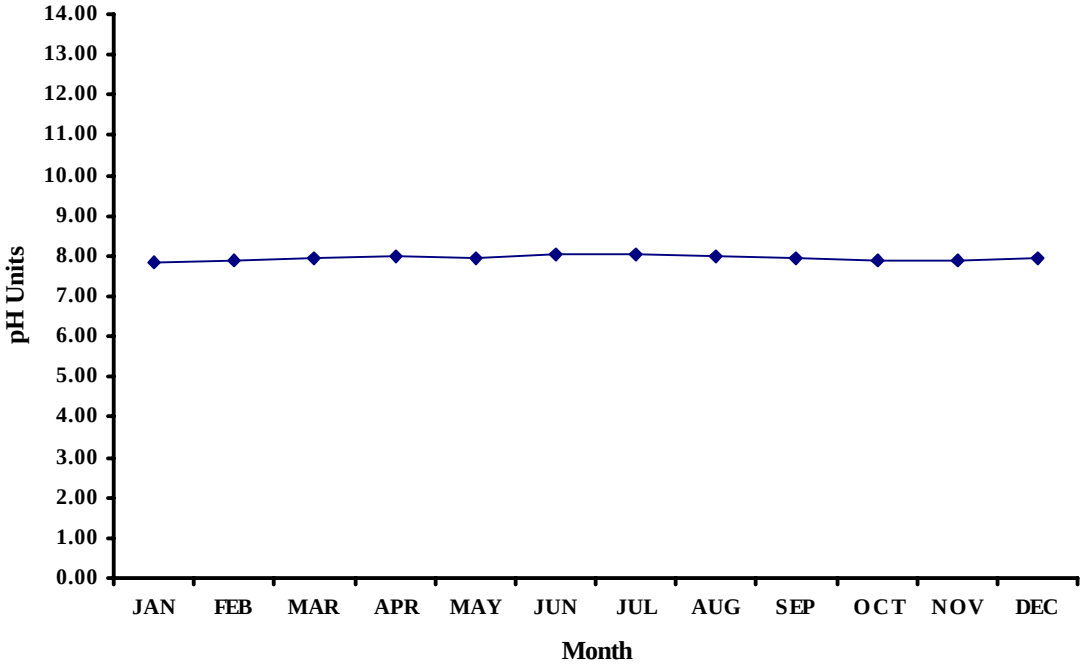
	FLOW	PH	BOD	TSS	VSS	TS	TVS	TSS Mass Emmissions
	MGD	pH Units	mg/L	mg/L	mg/L	Wt%	Wt%	(lbs/Day)
JANUARY -2005	2.56	7.84	461	668	484	0.26	38	14262
FEBRUARY -2005	2.72	7.89	389	533	395	0.24	35	12091
MARCH -2005	2.60	7.95	374	654	482	0.26	38	14181
APRIL -2005	2.49	7.98	361	857	635	0.28	41	17797
MAY -2005	2.47	7.93	408	793	602	0.29	42	16336
JUNE -2005	2.39	8.05	339	1110	801	0.30	42	22125
JULY -2005	2.52	8.04	358	914	676	0.28	40	19209
AUGUST -2005	2.62	8.00	452	870	655	0.28	40	19010
SEPTEMBER-2005	2.61	7.95	349	855	625	0.29	41	18611
OCTOBER -2005	2.64	7.88	389	1040	687	0.29	40	22898
NOVEMBER -2005	2.63	7.91	354	796	503	0.25	36	17460
DECEMBER -2005	2.55	7.96	291	592	401	0.26	36	12590
Average	2.57	7.95	377	807	579	0.27	39	17214

'Average' = Annual average of Monthly Averages.

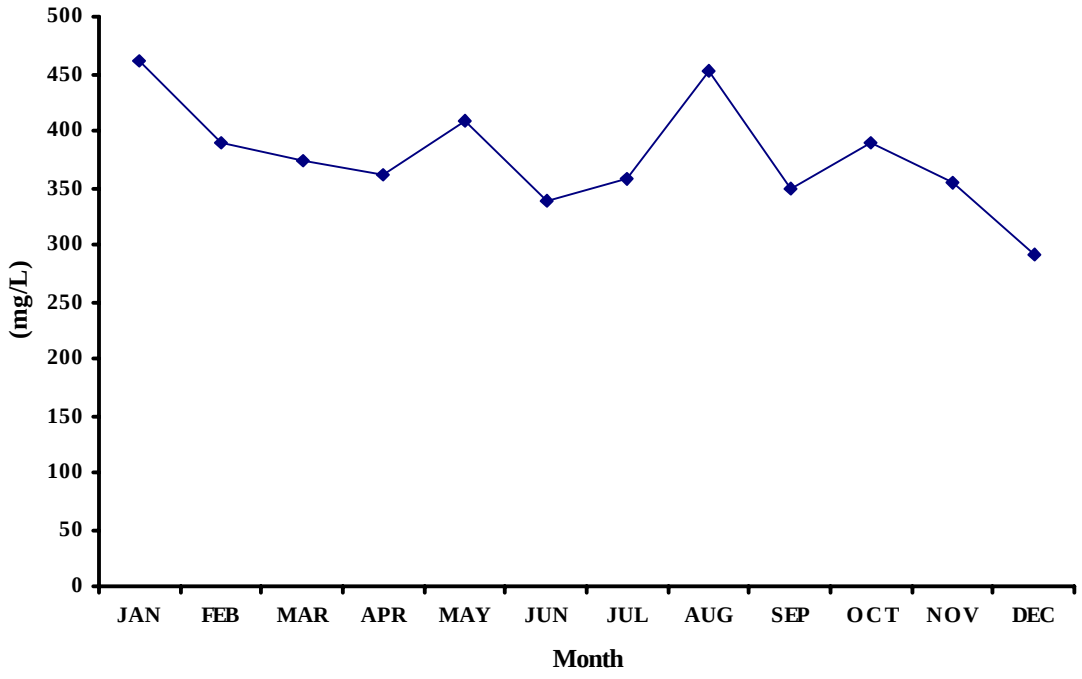
MBC Combined Centrate
2005 Monthly Averages - Flow (mgd)



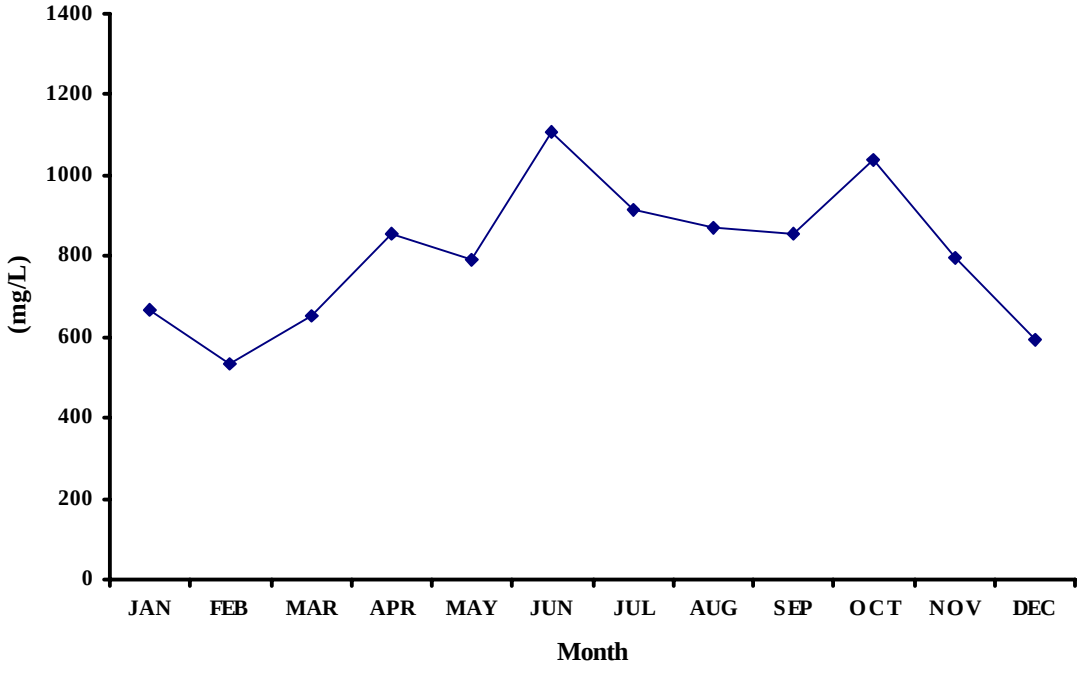
MBC Combined Centrate
2005 Monthly Averages - pH



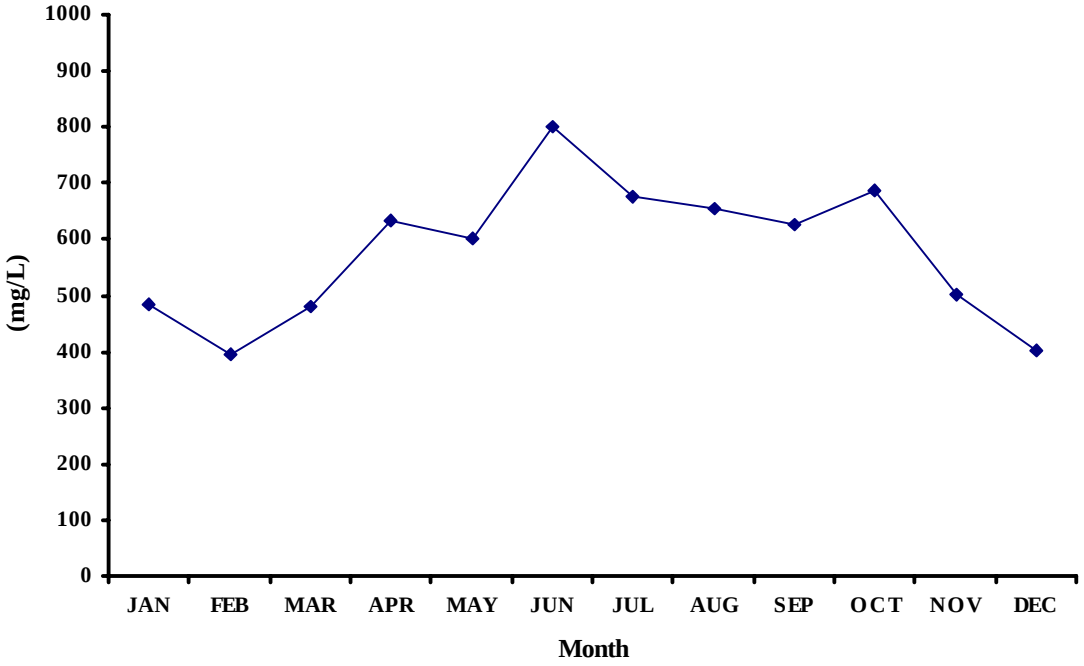
MBC Combined Centrate
2005 Monthly Averages - BOD (mg/L)



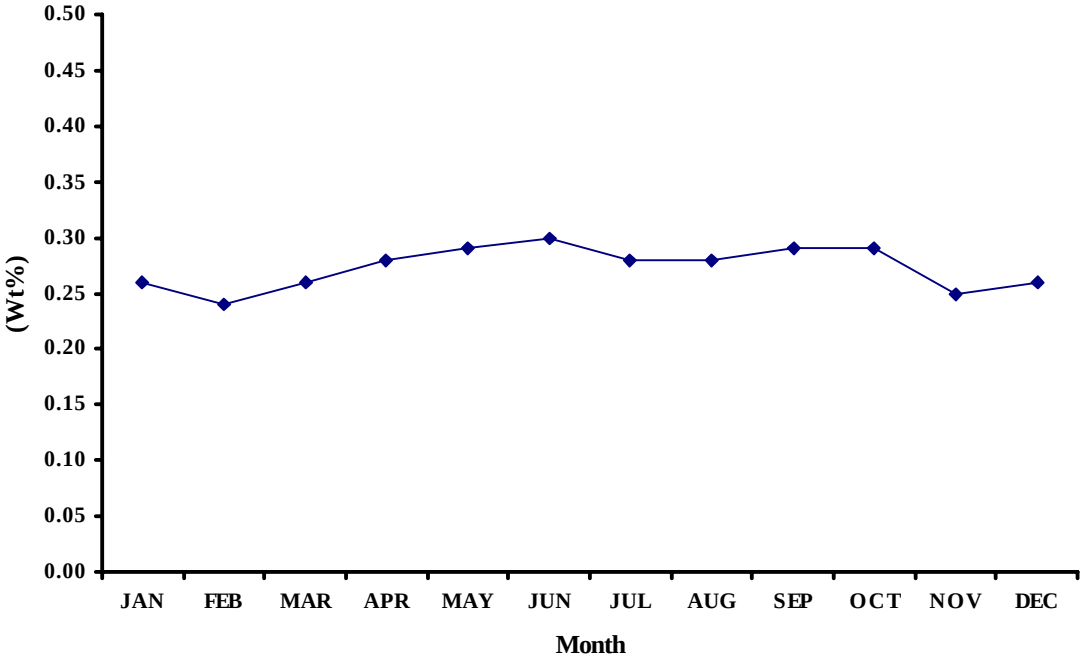
MBC Combined Centrate
2005 Monthly Averages - TSS (mg/L)



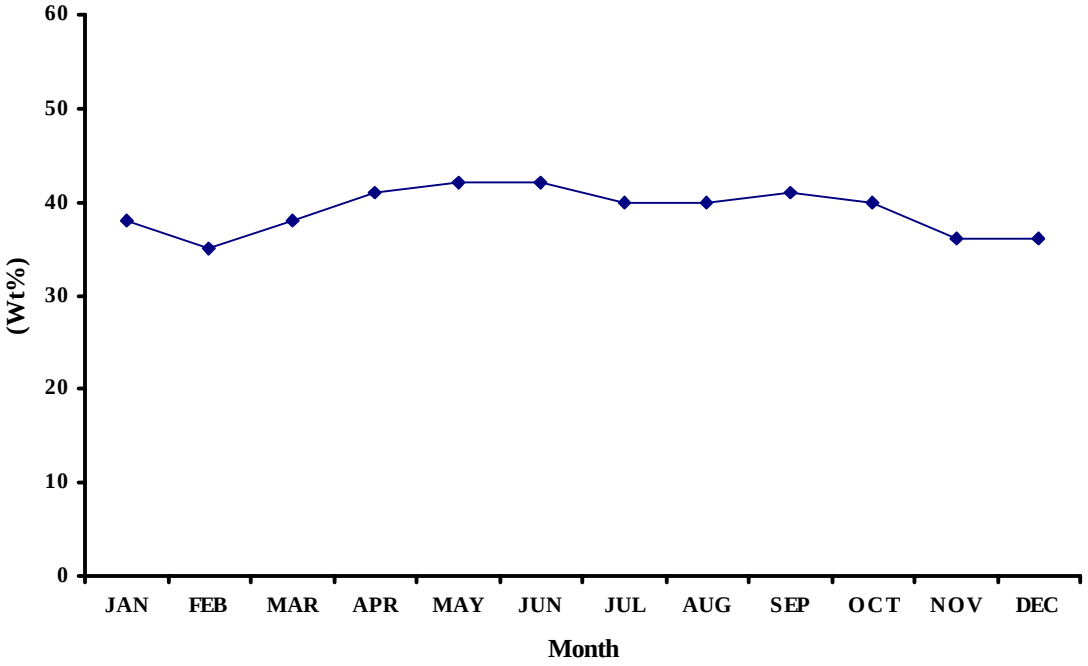
MBC Combined Centrate
2005 Monthly Averages - VSS (mg/L)



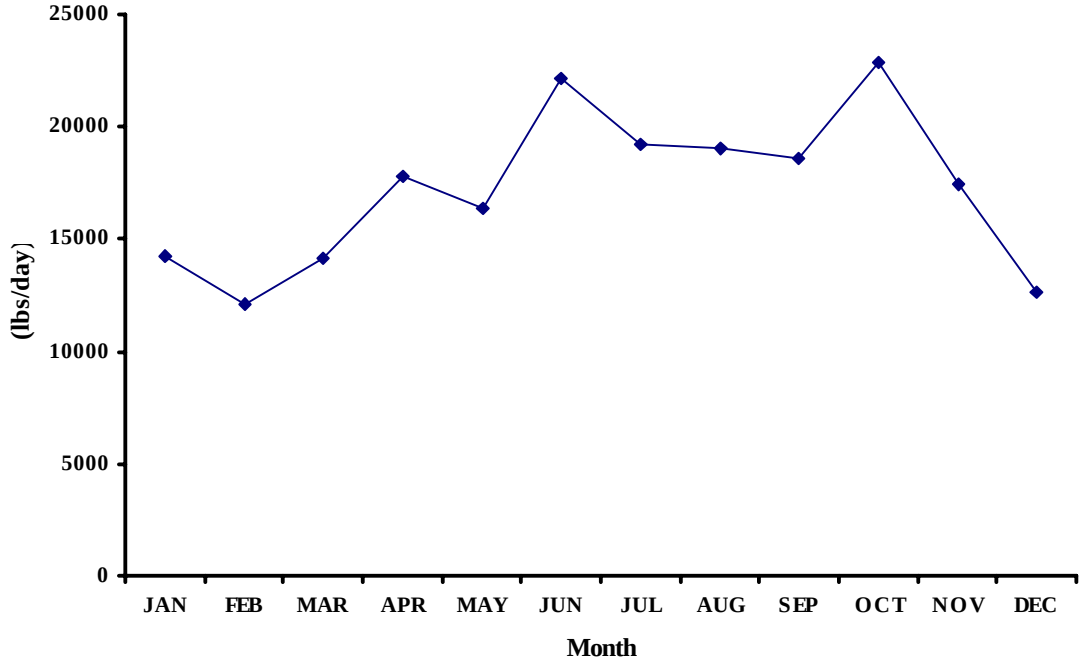
MBC Combined Centrate
2005 Monthly Averages - Percent TS



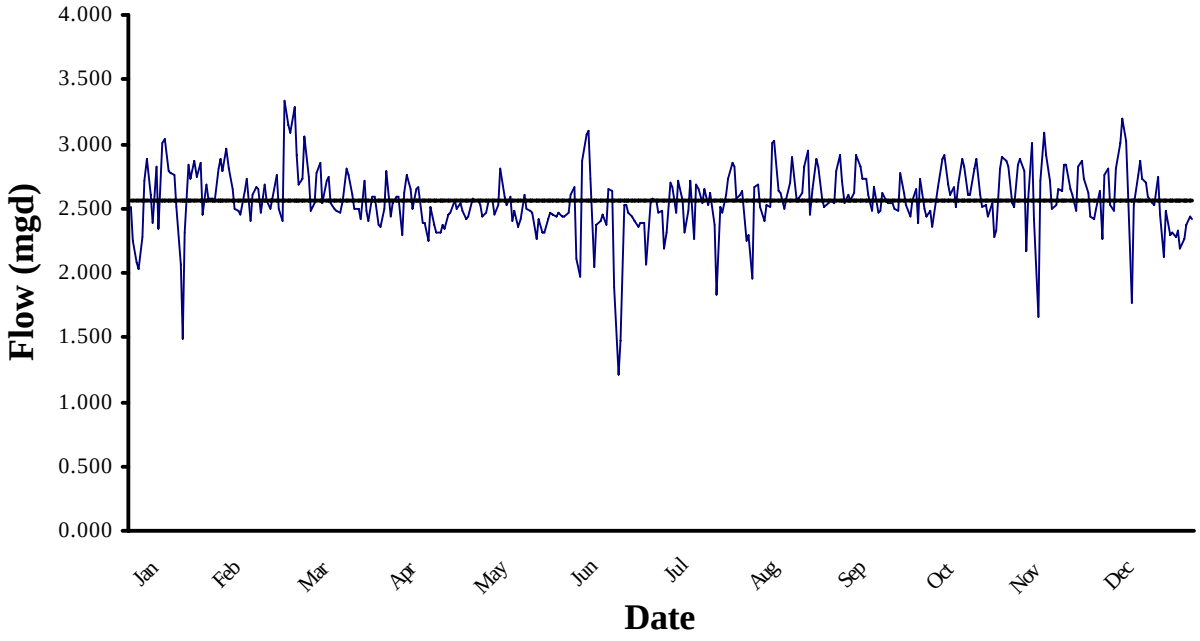
MBC Combined Centrate
2005 Monthly Averages - Percent TVS



MBC Combined Centrate
2005 Monthly Averages - TSS Mass Emission (lbs/day)



2005 MBC Return Stream Flow (mgd)



Metro Biosolids Center

2005 MBC Return Stream Daily Flows (mgd)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.509	2.879	2.725	2.540	2.522	2.601	2.471	2.294	2.908	2.433	2.842	2.766
2	2.254	2.798	3.055	2.584	2.441	2.664	2.480	1.954	2.706	2.479	2.884	2.811
3	2.082	2.966	2.738	2.584	2.472	2.116	2.193	2.664	2.540	2.353	2.786	2.521
4	2.033	2.811	2.473	2.287	2.559	1.972	2.304	2.680	2.601	2.558	2.164	2.484
5	2.272	2.650	2.544	2.615	2.564	2.875	2.702	2.511	2.564	2.671	2.567	2.800
6	2.717	2.493	2.770	2.752	2.453	3.070	2.664	2.408	2.627	2.878	3.005	3.009
7	2.881	2.486	2.852	2.647	2.525	3.098	2.460	2.526	2.916	2.911	2.425	3.199
8	2.606	2.447	2.536	2.500	2.806	2.730	2.718	2.518	2.817	2.681	1.656	3.029
9	2.380	2.642	2.716	2.644	2.585	2.043	2.561	3.002	2.732	2.607	2.719	2.626
10	2.825	2.736	2.737	2.671	2.533	2.374	2.306	3.024	2.734	2.661	3.087	1.774
11	2.346	2.405	2.538	2.386	2.586	2.408	2.480	2.637	2.603	2.516	2.922	2.525
12	3.014	2.604	2.498	2.384	2.400	2.451	2.720	2.623	2.486	2.705	2.717	2.762
13	3.032	2.665	2.483	2.253	2.481	2.370	2.268	2.502	2.670	2.886	2.501	2.869
14	2.788	2.650	2.471	2.511	2.350	2.653	2.680	2.574	2.472	2.828	2.523	2.736
15	2.769	2.469	2.561	2.368	2.424	2.642	2.654	2.696	2.486	2.612	2.649	2.704
16	2.753	2.679	2.814	2.309	2.599	1.898	2.539	2.902	2.619	2.610	2.637	2.582
17	2.513	2.551	2.760	2.317	2.494	1.204	2.646	2.566	2.560	2.811	2.838	2.538
18	2.056	2.501	2.604	2.378	2.480	1.474	2.527	2.572	2.546	2.876	2.832	2.524
19	1.495	2.574	2.490	2.341	2.462	2.525	2.621	2.613	2.542	2.599	2.646	2.744
20	2.306	2.765	2.492	2.450	2.264	2.529	2.369	2.817	2.495	2.504	2.605	2.446
21	2.832	2.491	2.419	2.472	2.422	2.463	1.836	2.953	2.483	2.522	2.484	2.125
22	2.735	2.408	2.706	2.557	2.303	2.434	2.512	2.443	2.781	2.427	2.815	2.476
23	2.864	3.333	2.486	2.498	2.310	2.397	2.458	2.648	2.623	2.545	2.864	2.296
24	2.751	3.151	2.406	2.538	2.420	2.359	2.602	2.876	2.523	2.280	2.732	2.306
25	2.857	3.092	2.584	2.476	2.473	2.384	2.725	2.815	2.439	2.318	2.614	2.277
26	2.445	3.287	2.585	2.415	2.445	2.386	2.850	2.571	2.553	2.806	2.440	2.323
27	2.686	2.915	2.372	2.435	2.441	2.057	2.819	2.509	2.646	2.893	2.419	2.181
28	2.575	2.684	2.355	2.568	2.458	2.546	2.580	2.546	2.388	2.862	2.490	2.262
29	2.576		2.498	2.561	2.441	2.566	2.607	2.560	2.735	2.825	2.637	2.369
30	2.562		2.789	2.563	2.440	2.556	2.630	2.547	2.488	2.543	2.269	2.430
31	2.800		2.435		2.470		2.243	2.791		2.513		2.423
Avg	2.559	2.719	2.597	2.487	2.472	2.395	2.523	2.624	2.609	2.636	2.626	2.546
Min	1.495	2.405	2.355	2.253	2.264	1.204	1.836	1.954	2.388	2.280	1.656	1.774
Max	3.032	3.333	3.055	2.752	2.806	3.098	2.850	3.024	2.916	2.911	3.087	3.199

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

From: 01-JAN-2005 to: 31-DEC-2005

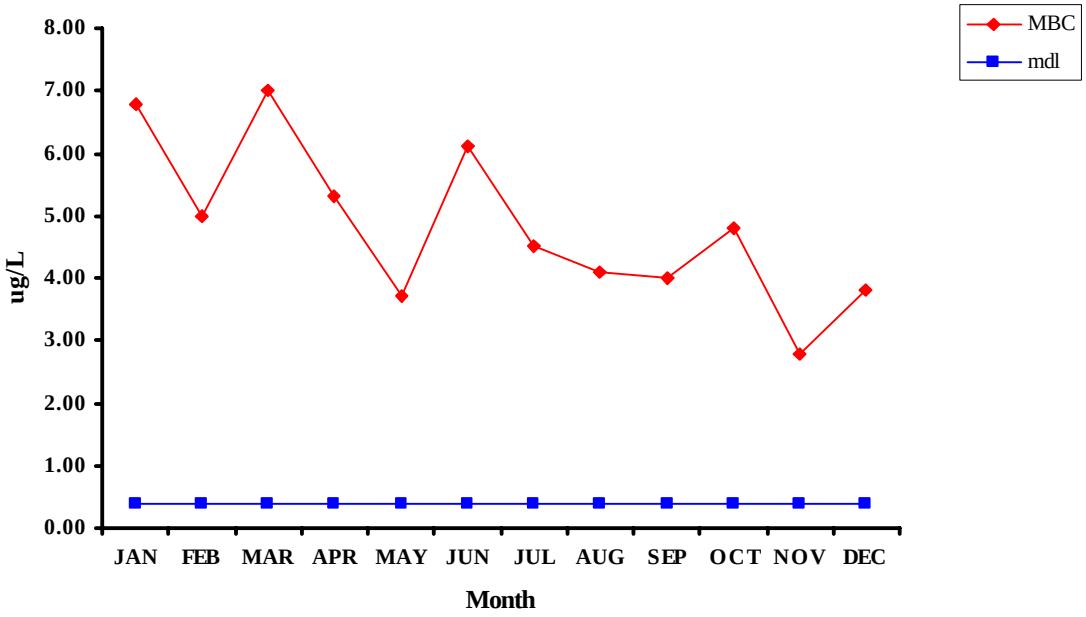
Source:			MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:			31-JAN-2005	28-FEB-2005	31-MAR-2005	30-APR-2005	31-MAY-2005	30-JUN-2005
Sample ID:			MP287548s	P290400	P293550	P297202	P301114	P304502
Aluminum	6.6	UG/L	2400	1680	2580	3820	2510	6530
Antimony	1.015	UG/L	ND	ND	ND	ND	2.3	4.9
Arsenic	.4	UG/L	6.8	5.0	7.0	5.3	3.7	6.1
Barium	.0202	UG/L	220	144	185	236	181	385
Beryllium	.0395	UG/L	ND	ND	ND	ND	ND	ND
Cadmium	.1945	UG/L	ND	0.8	0.6	ND	0.5	1.5
Chromium	.1885	UG/L	9	9	11	19	12	28
Cobalt	.162	UG/L	4.4	3.1	4.1	5.2	3.4	5.7
Copper	.3925	UG/L	190	139	184	279	198	462
Iron	.785	UG/L	38900	27500	35600	39800	38000	56500
Lead	1.384	UG/L	ND	ND	ND	5	5	10
Manganese	.0494	UG/L	680	541	484	571	533	443
Mercury	.09	UG/L	0.35	0.41	0.40	0.40	0.31	0.66
Molybdenum	.122	UG/L	8.0	8.0	9.3	10.3	9.3	15.7
Nickel	.2675	UG/L	28	26	27	25	27	38
Selenium	.28	UG/L	3.36	2.71	3.67	3.88	3.31	5.64
Silver	.156	UG/L	ND	ND	ND	3	1	6
Thallium	1.806	UG/L	ND	ND	ND	ND	ND	ND
Vanadium	.4755	UG/L	10.1	7.6	12.7	17.5	9.6	40.9
Zinc	.5435	UG/L	204	147	226	369	244	545

Source:			MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:			31-JUL-2005	31-AUG-2005	30-SEP-2005	31-OCT-2005	30-NOV-2005	31-DEC-2005
Sample ID:			MP308787s	P312470	P315925	P319849	P323079	P326460
Aluminum	6.6	UG/L	3850	4070	3590	4130	2110	2330
Antimony	1.015	UG/L	ND	ND	2.3	ND	5.3	1.8
Arsenic	.4	UG/L	4.5	4.1	4.0	4.8	2.8	3.8
Barium	.0202	UG/L	260	299	279	273	188	218
Beryllium	.0395	UG/L	ND	ND	ND	ND	ND	0.05
Cadmium	.1945	UG/L	0.6	1.1	1.1	1.0	0.9	1.0
Chromium	.1885	UG/L	16	15	14	14	8	9
Cobalt	.162	UG/L	5.5	5.3	4.4	2.9	2.6	3.1
Copper	.3925	UG/L	298	333	320	306	227	253
Iron	.785	UG/L	38800	41600	52400	62800	41100	40500
Lead	1.384	UG/L	8	5	7	4	5	8
Manganese	.0494	UG/L	416	503	640	639	464	515
Mercury	.09	UG/L	0.42	0.31	0.44	0.53	0.35	0.33
Molybdenum	.122	UG/L	10.8	12.4	12.1	11.8	8.0	5.0
Nickel	.2675	UG/L	27	29	27	27	26	22
Selenium	.28	UG/L	4.45	4.77	4.35	4.14	3.28	4.07
Silver	.156	UG/L	4	7	5	9	3	ND
Thallium	1.806	UG/L	ND	ND	ND	ND	ND	ND
Vanadium	.4755	UG/L	42.3	87.1	88.6	64.6	30.6	32.9
Zinc	.5435	UG/L	343	427	398	366	239	261

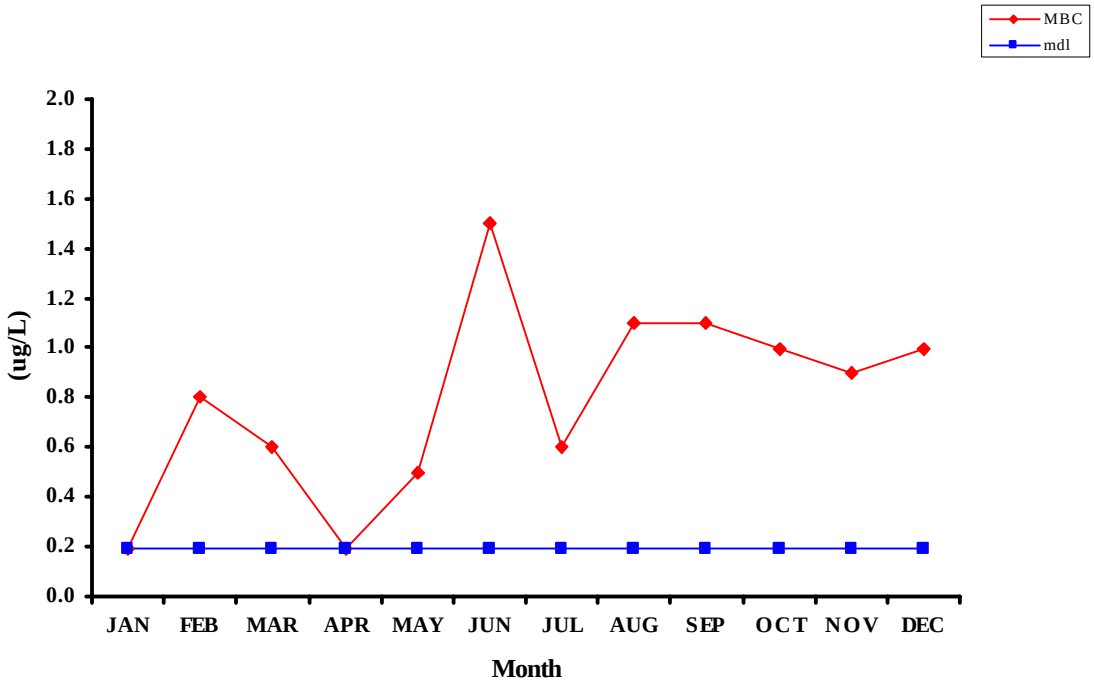
ND= Not Detected
NA= Not Analyzed
NS= Not Sampled
NR= Not Required

MBC_COMBCN= Metro Biosolids Center Combined Sludge Centrate.

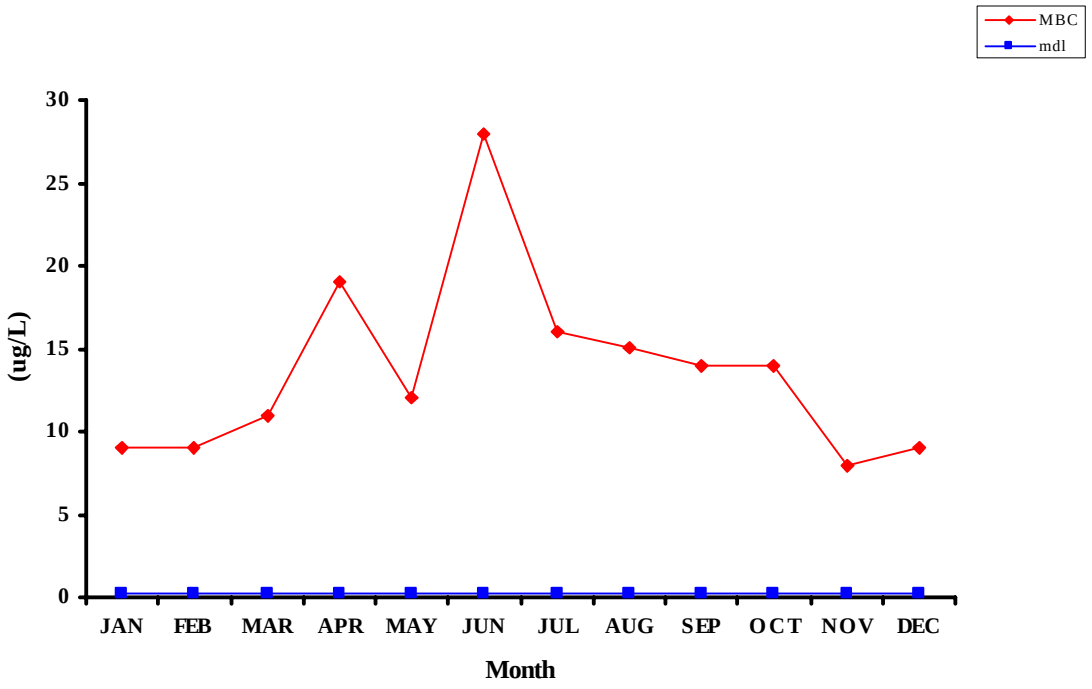
Arsenic
2005 Monthly Averages



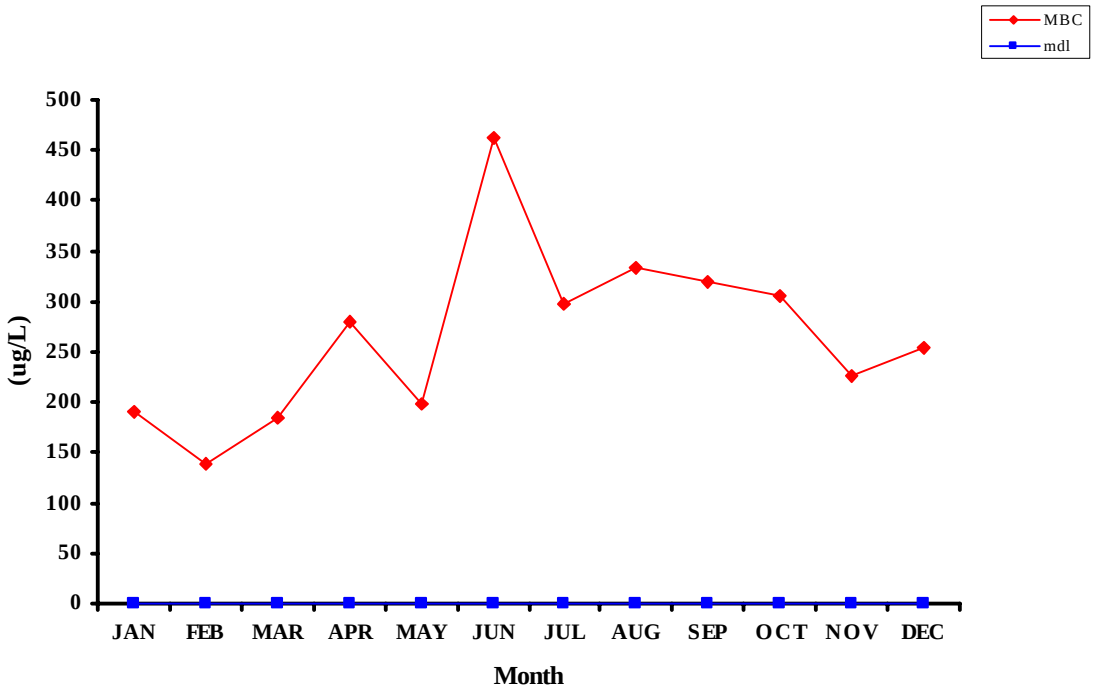
Cadmium
2005 Monthly Averages



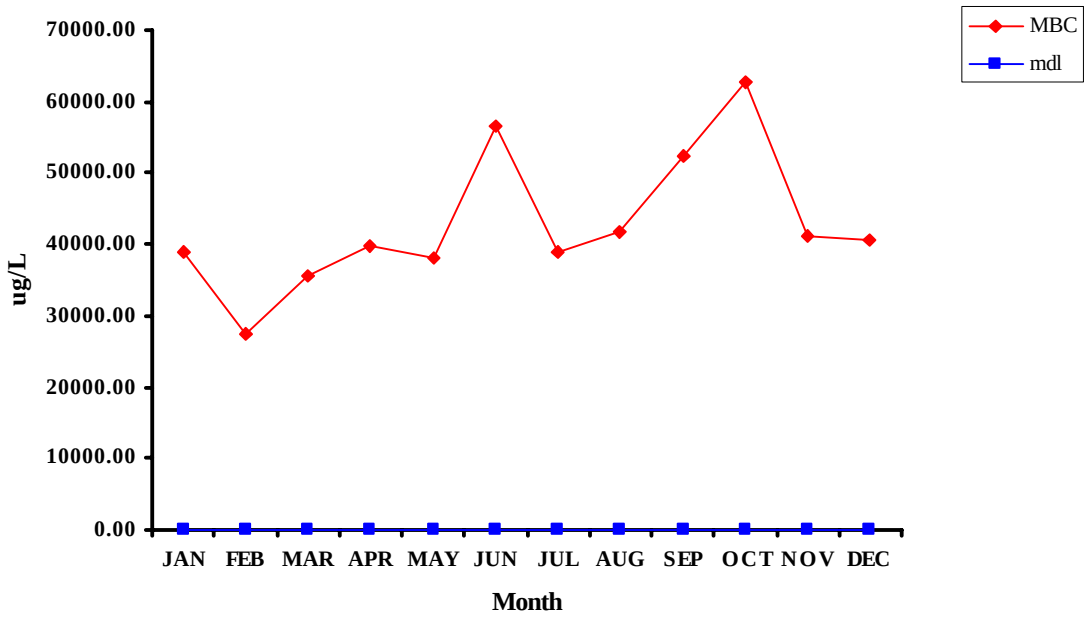
Chromium
2005 Monthly Averages



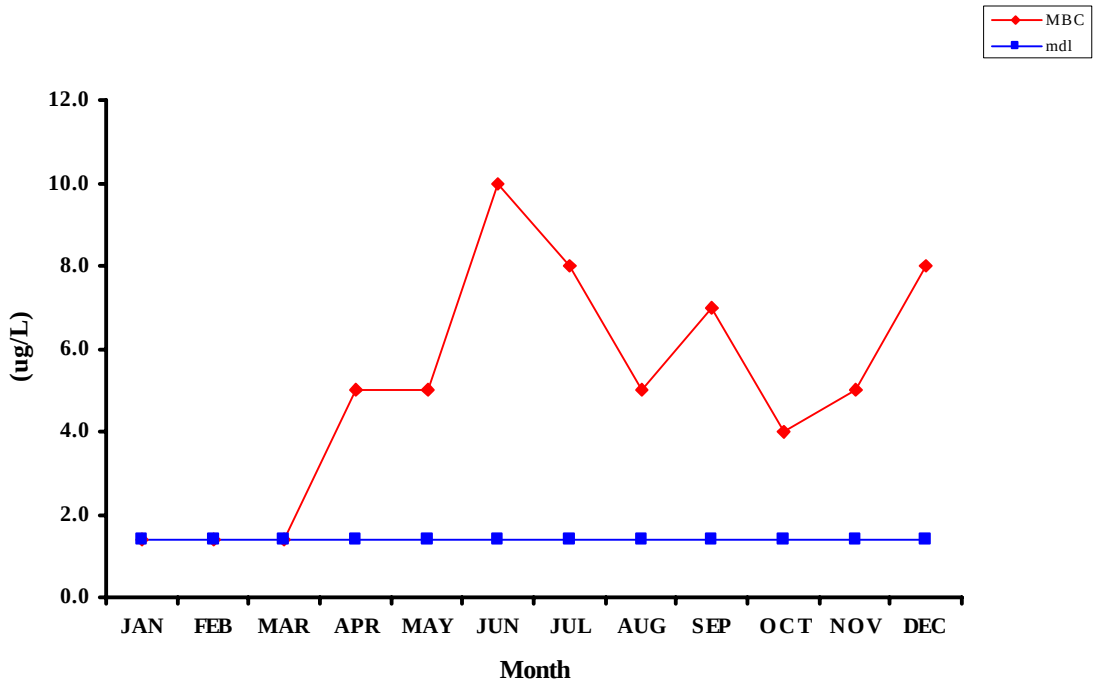
Copper
2005 Monthly Averages



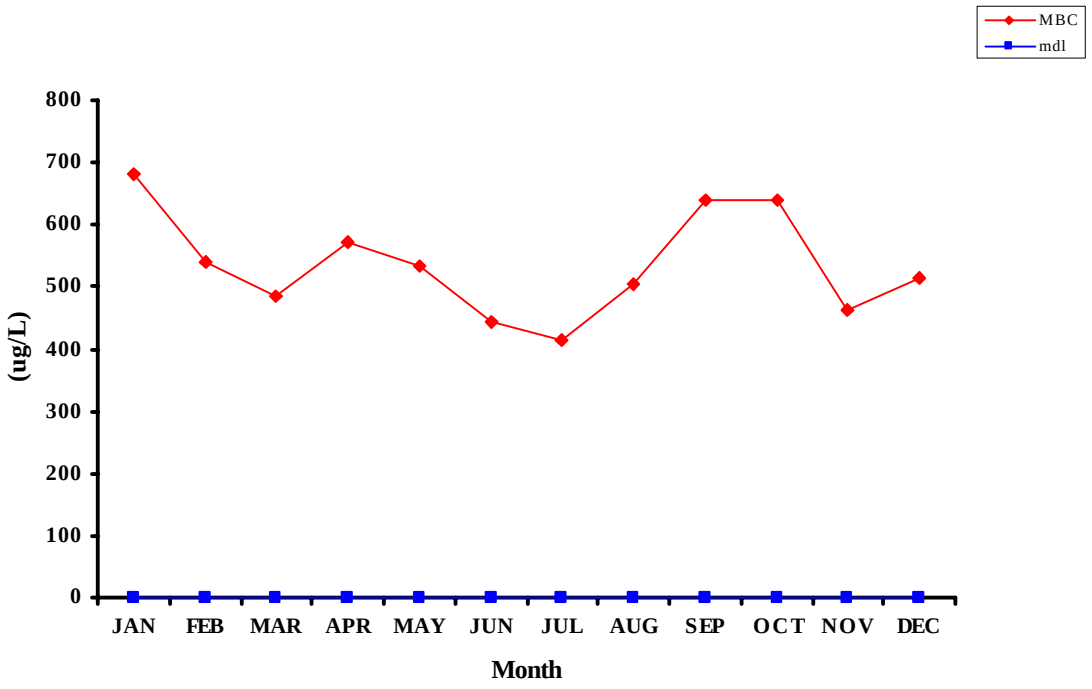
Iron
2005 Monthly Averages



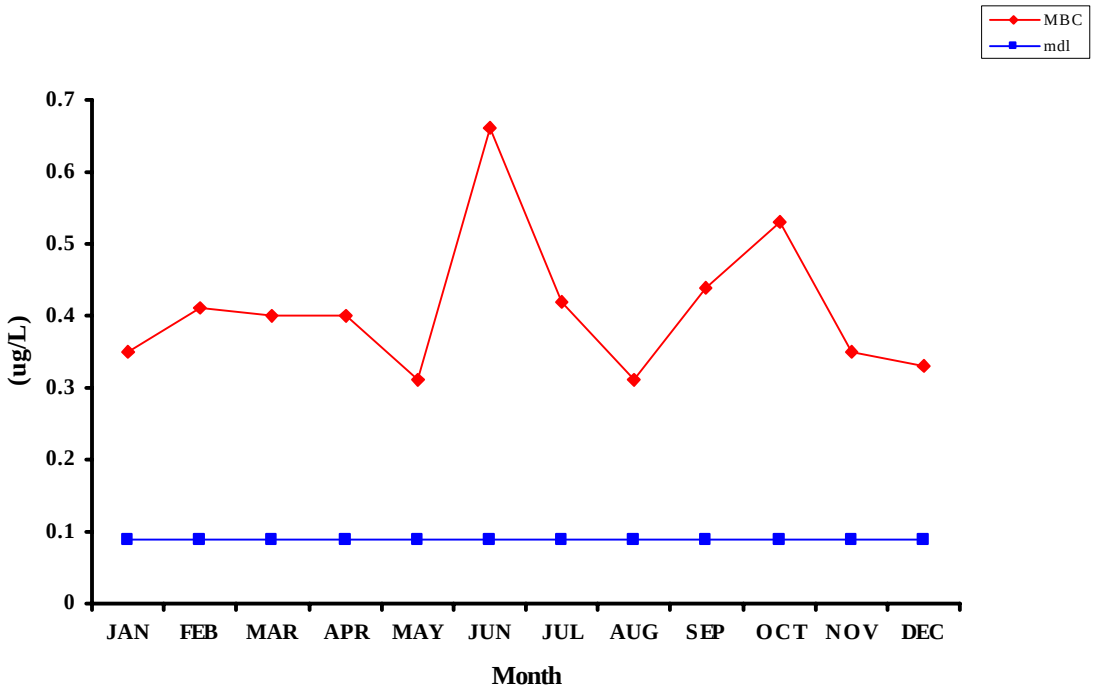
Lead
2005 Monthly Averages



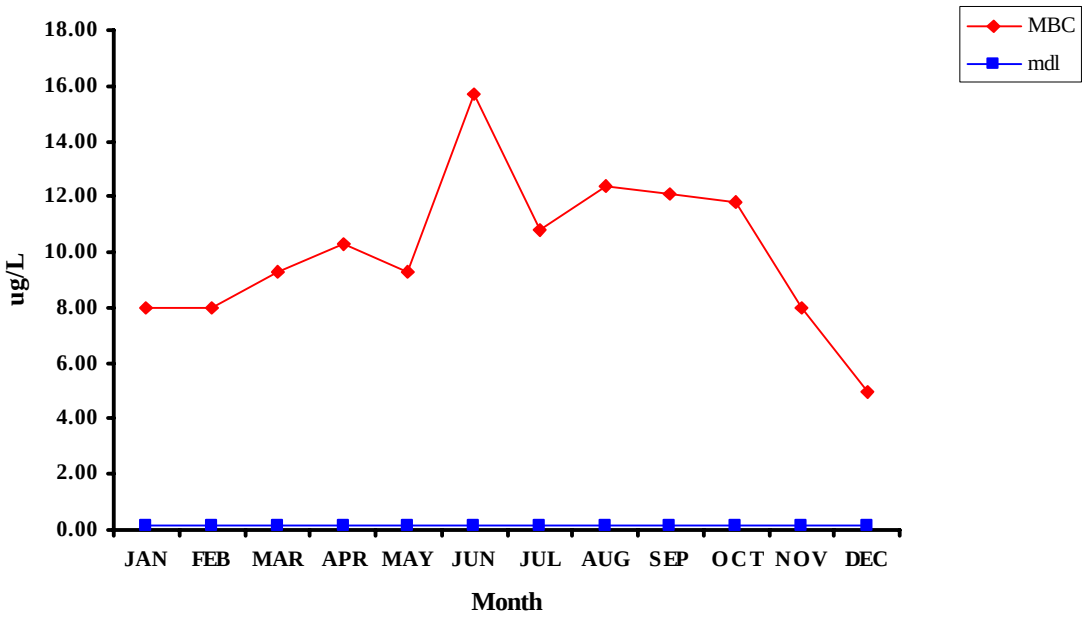
Manganese
2005 Monthly Averages



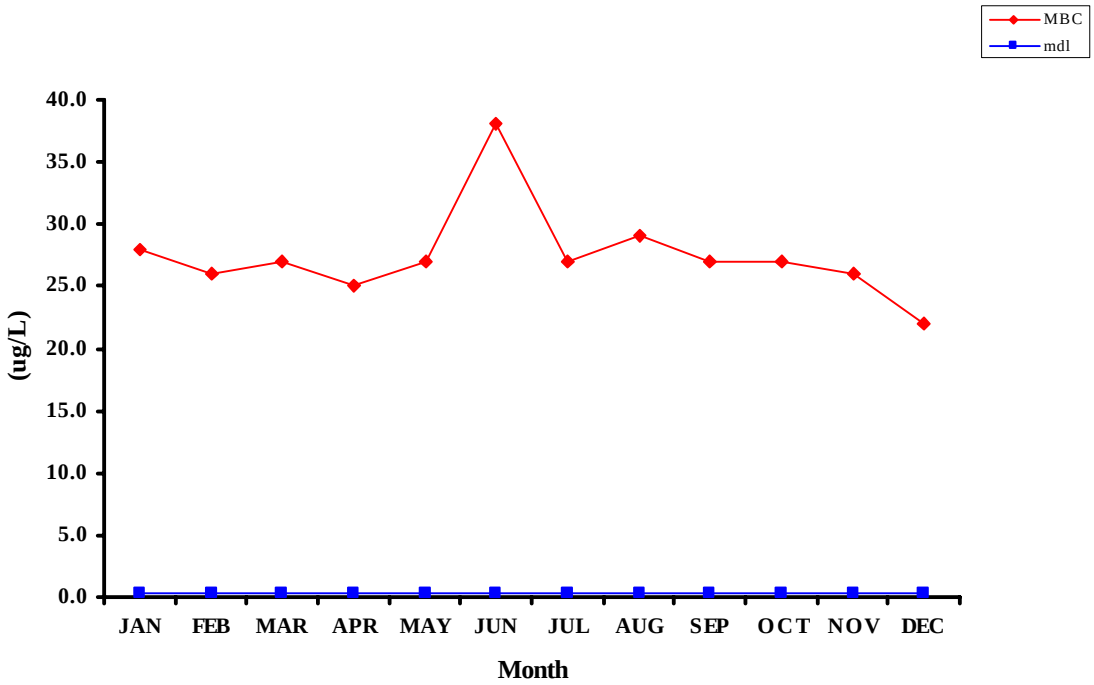
Mercury
2005 Monthly Averages



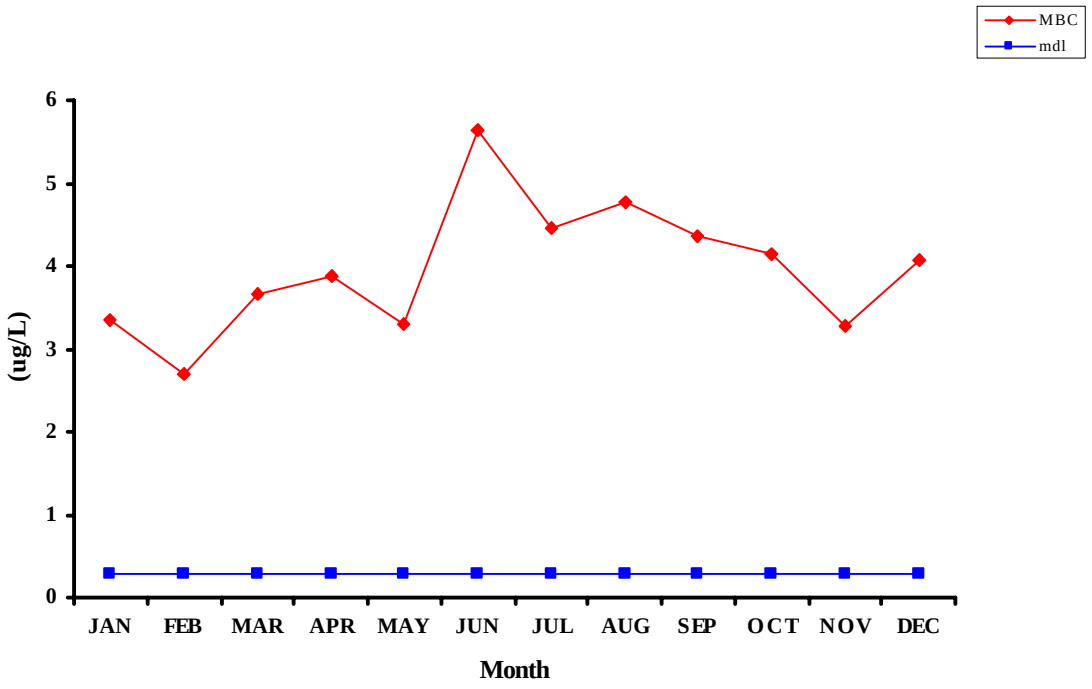
Molybdeum
2005 Monthly Averages



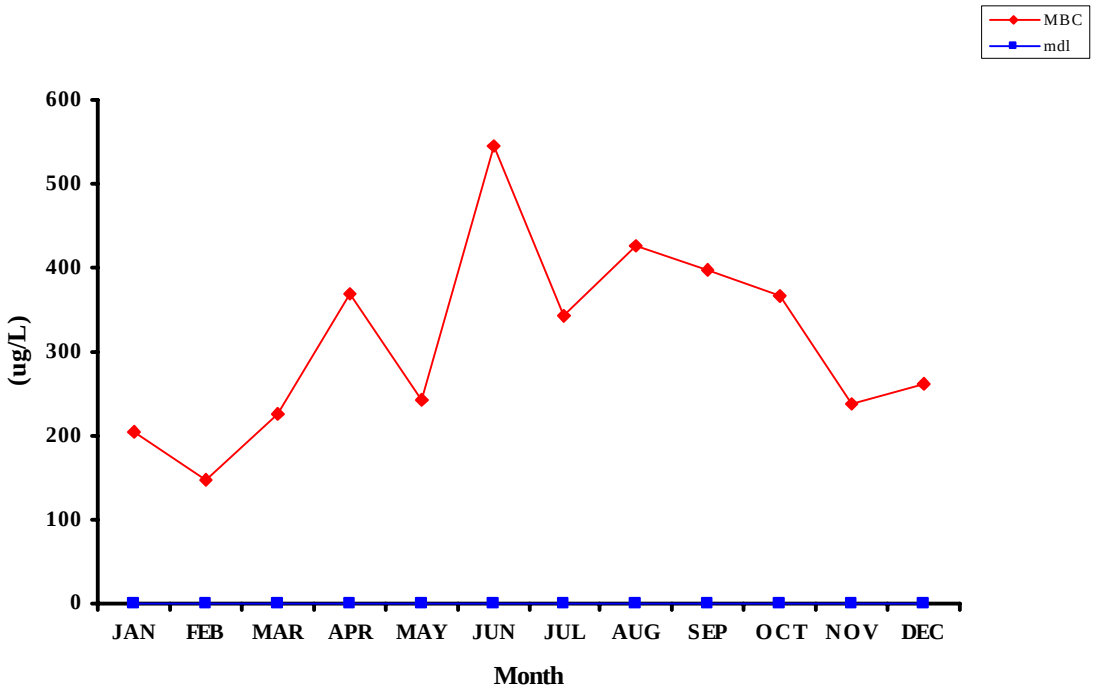
Nickel
2005 Monthly Averages



Selenium
2005 Monthly Averages



Zinc
2005 Monthly Averages



B. MBC Digester and Digested Sludge Data Summary

Metro Biosolids Center Annual Report
Digesters - 2005

Digester 1

	pH	Total Solids (%)	Volatile Solids (%)	Alkal-inity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2005	7.28	2.5	66.6	2760	95	60.5	39.5	17
FEBRUARY -2005	7.21	2.3	67.1	2720	121	60.1	39.8	24
MARCH -2005	7.27	2.2	65.5	2800	87	60.4	39.6	16
APRIL -2005	7.30	2.2	67.1	2850	100	60.5	39.4	25
MAY -2005	7.29	2.4	66.9	2910	95	60.7	39.3	19
JUNE -2005	7.33	2.3	65.1	2640	84	61.1	38.9	14
JULY -2005	7.24	2.5	65.2	2580	91	60.5	39.5	18
AUGUST -2005	7.20	2.4	66.8	2650	92	60.5	39.5	25
SEPTEMBER-2005	7.20	2.5	67.6	2600	92	60.2	39.8	23
OCTOBER -2005	7.22	2.6	65.4	2750	97	60.4	39.6	23
NOVEMBER -2005	7.24	2.7	66.7	2860	104	60.3	39.7	22
DECEMBER -2005	7.37	2.6	65.2	2890	87	60.7	39.3	17
Average:	7.26	2.4	66.3	2751	95	60.5	39.5	20

Digester 2

	pH	Total Solids (%)	Volatile Solids (%)	Alkal-inity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2005	OUT OF SERVICE							
FEBRUARY -2005								
MARCH -2005								
APRIL -2005								
MAY -2005								
JUNE -2005								
JULY -2005								
AUGUST -2005								
SEPTEMBER-2005								
OCTOBER -2005								
NOVEMBER -2005								
DECEMBER -2005								
	*	*	*	*	*	*	*	*

Digester 3

	pH	Total Solids (%)	Volatile Solids (%)	Alkal-inity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2005	OUT OF SERVICE							
FEBRUARY -2005								
MARCH -2005								
APRIL -2005								
MAY -2005								
JUNE -2005								
JULY -2005								
AUGUST -2005								
SEPTEMBER-2005								
OCTOBER -2005								
NOVEMBER -2005								
DECEMBER -2005								
	*	*	*	*	*	*	*	*

C. Gas Production

Metro Biosolids Center

Gas Report – 2005

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	177,465.7			177,465.7	172,884	95,161	268,045
02	171,767.6			171,767.6	371	290,453	290,824
03	169,216.3			169,216.3	780	248,508	249,287
04	203,751.2			203,751.2	166,948	115,795	282,744
05	210,981.1			210,981.1	264,704	33	264,737
06	133,781.1			133,781.1	13,105	222,623	235,728
07	214,121.3			214,121.3	552	365,028	365,579
08	212,229.7			212,229.7	910	368,429	369,339
09	214,801.7			214,801.7	656	364,993	365,650
10	227,472.4			227,472.4	3,198	362,502	365,700
11	228,750.0			228,750.0	3,764	360,025	363,789
12	235,268.7			235,268.7	1,760	369,224	370,984
avg	199,967.2			199,967.2	52,469	263,564	316,034

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	5,501,438.0			5,501,438.0	5,359,404	2,949,977	8,309,381
02	4,809,494.0			4,809,494.0	10,380	8,132,684	8,143,064
03	5,245,706.0			5,245,706.0	24,170	7,703,741	7,727,911
04	6,112,536.0			6,112,536.0	5,008,449	3,473,856	8,482,305
05	6,540,415.0			6,540,415.0	8,205,829	1,009	8,206,838
06	4,013,434.0			4,013,434.0	366,942	6,233,451	6,600,393
07	6,637,759.0			6,637,759.0	17,099	11,315,857	11,332,956
08	6,579,120.0			6,579,120.0	28,203	11,421,294	11,449,497
09	6,444,051.0			6,444,051.0	19,692	10,949,802	10,969,494
10	7,051,644.0			7,051,644.0	99,139	11,237,564	11,336,703
11	6,862,499.0			6,862,499.0	112,908	10,800,752	10,913,660
12	7,293,331.0			7,293,331.0	54,553	11,445,937	11,500,490
avg	6,090,952.3			6,090,952.3	1,608,897	7,972,160	9,581,058
sum	73,091,427.0			73,091,427.0	19,306,768	95,665,924	114,972,692

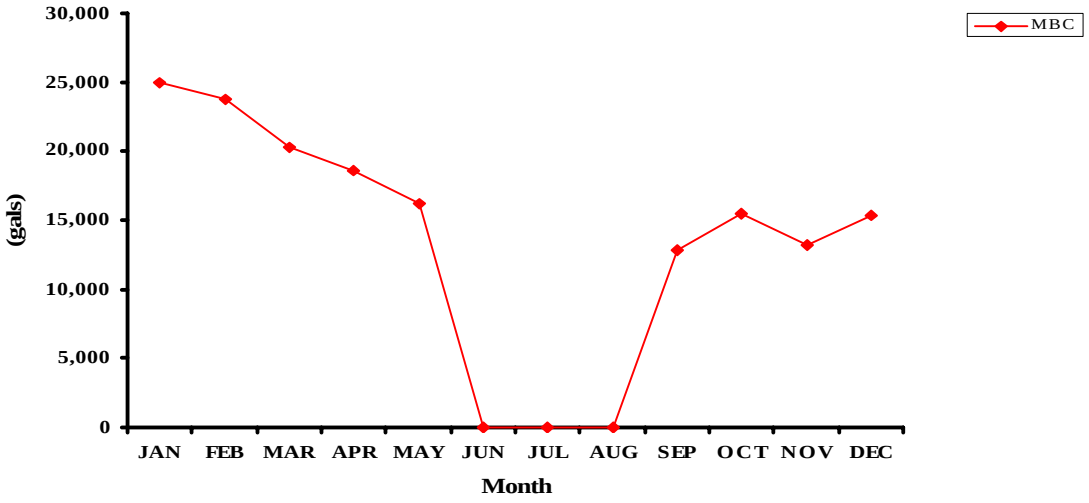
D. Chemical Usage

Metro Biosolids Center - Monthly Chemical Usage Report -2005

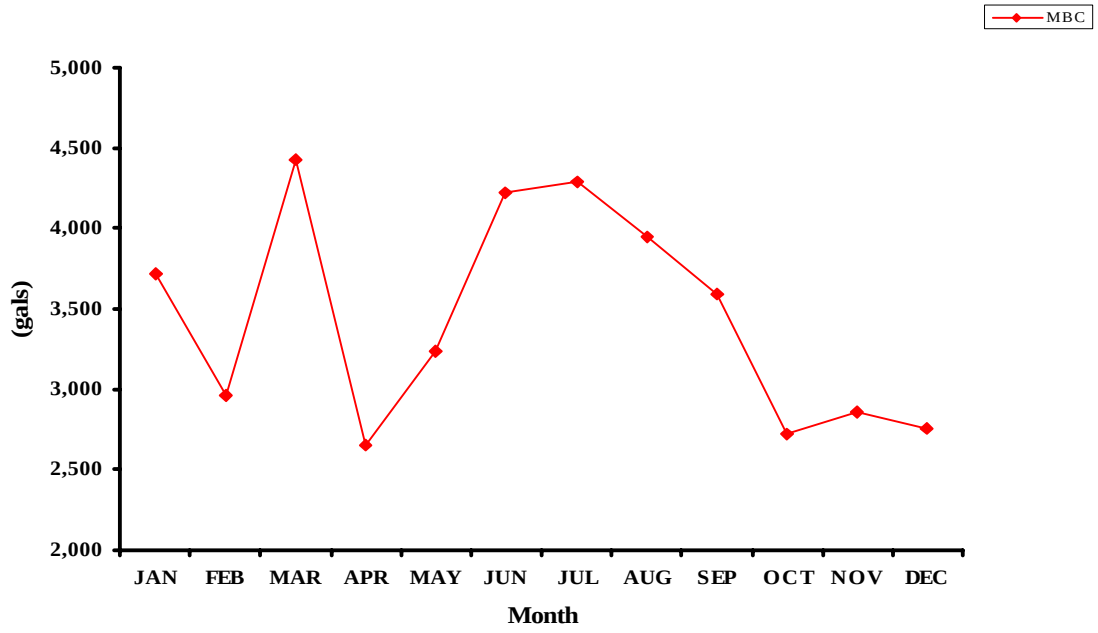
MON	Polymer Gallons	Ferric Chloride Gallons	Ferrous Chloride Gallons	Sodium Hydroxide Gallons	Hypochlorite Gallons	Sulfuric Acid Gallons
01	171,036	25,006		3,721	3,398	0
02	142,385	23,763	2,213	2,962	3,296	0
03	133,636	20,291	5,773	4,427	3,754	0
04	132,265	18,645	6,867	2,650	5,646	0
05	134,113	16,220	7,037	3,239	4,195	0
06	140,178	0	6,805	4,221	6,570	0
07	167,019	0	6,958	4,289	6,912	0
08	159,807	0	8,174	3,945	6,373	0
09	152,013	12,781	8,758	3,592	5,064	0
10	151,278	15,526	8,469	2,721	4,328	0
11	150,002	13,143	9,446	2,863	4,416	0
12	157,328	15,310	9,052	2,755	3,946	0
avg	149,255	13,390	7,232	3,449	4,825	0
sum	1,791,060	160,685	79,552	41,384	57,898	0

E. Graphs of Monthly Chemical Usage

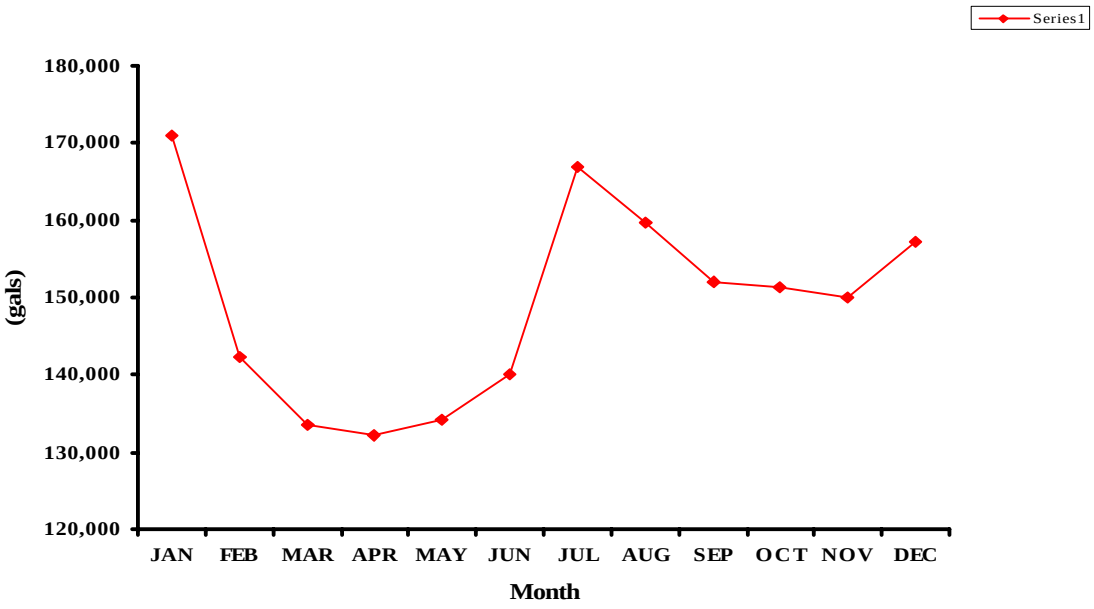
Ferric Chloride
2005 Monthly Chemical Usage



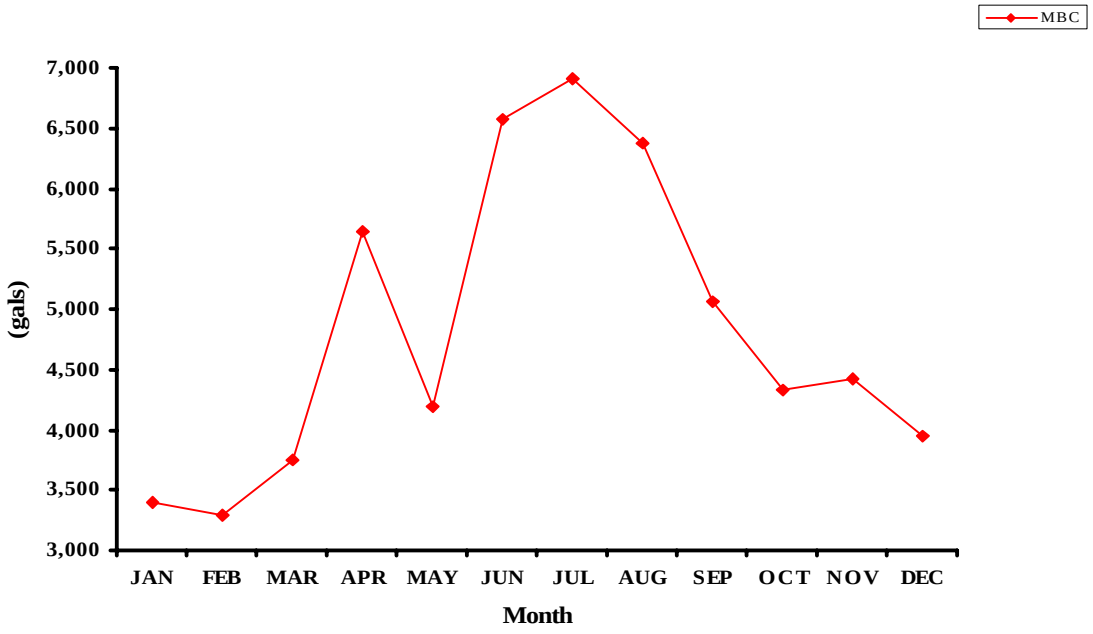
Caustic
2005 Monthly Chemical Usage



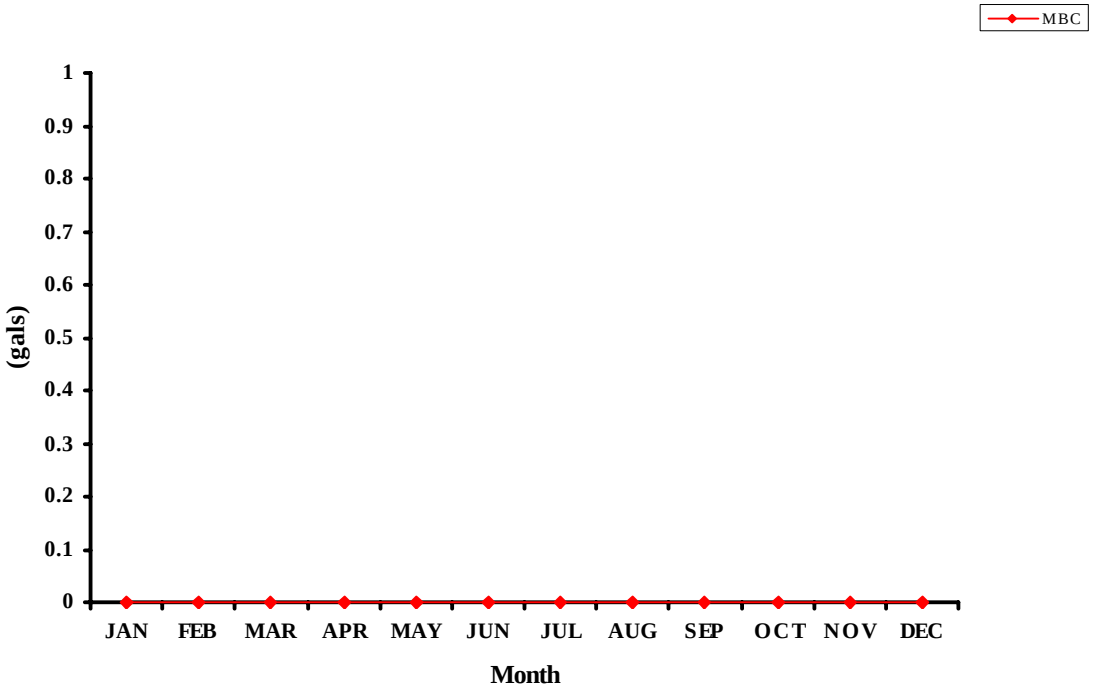
Polymer
2005 Monthly Chemical Usage



Sodium Hypochlorite
2005 Monthly Chemical Usage



Sulfuric Acid
2005 Monthly Chemical Usage



Facilities Out-of-service Report (2005)
FACILITY: **Metropolitan Biosolids Center**

DATES OUT OF SERVICE

DEWATERING CENTRIFUGES

DEWATERING CENTRIFUGE 1 MB76DC001	01/14/05 01/27/05 01/28/05 03/14/05 03/22/05 04/20/05 04/27/05 05/09/05 05/12/05 05/13/05 06/13/05 06/27/05 08/30/05 12/12/05	01/24/05 02/22/05 01/27/05 03/16/05 03/25/05 04/20/05 05/10/05 05/11/05 05/12/05 05/13/05 06/23/05 06/30/05 08/30/05 12/21/05
DEWATERING CENTRIFUGE 2 MB76DC002	01/26/05 01/28/05 03/23/05 04/20/05 04/27/05 04/27/05 05/09/05 05/23/05 06/02/05 09/13/05 10/18/05 07/19/05 09/13/05 10/18/05	01/27/05 02/23/05 03/24/05 04/22/05 05/10/05 04/27/05 05/10/05 05/24/05 06/02/05 09/13/05 10/18/05 07/20/05 09/13/05 10/18/05
DEWATERING CENTRIFUGE 3 MB76DC003	02/08/05 04/21/05 06/30/05 10/05/05	02/25/05 04/21/05 06/30/05 10/05/05

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

THICKENING CENTRIFUGES

THICKENING CENTRIFUGE 1 MB76TC001	06/13/05	06/22/05
THICKENING CENTRIFUGE 2 MB76TC002	03/14/05 06/28/05	04/25/05 06/27/05
THICKENING CENTRIFUGE 3 MB76TC003	01/11/05 06/22/05	01/12/05 06/30/05
THICKENING CENTRIFUGE 4 MB76TC004		
THICKENING CENTRIFUGE 5 MB76TC005		

CENTRATE PUMPS

CENTRATE PUMP 1 MB94P001	06/24/05 12/13/05	06/27/05 12/13/05
CENTRATE PUMP 2 MB94P002		
CENTRATE PUMP 3 MB94P003	04/27/05	04/27/05

DEGRITTING SYSTEM

GRIT SEPARATOR 1 MB76GSR001	6/01/05	12/31/05
GRIT SEPARATOR 2 MB76GSR002	04/27/05 6/01/05	04/27/05 12/31/05
GRIT SEPARATOR 3 MB76GSR003	04/27/05 6/01/05	04/27/05 12/31/05

BIOGAS FLARES

FLARE 1 MB80GFL001	03/21/05 04/05/05 05/17/05 05/23/05 06/01/05 08/24/05	03/22/05 04/12/05 05/18/05 05/26/05 06/16/05 08/24/05
FLARE 2 MB80GFL002		

DIGESTERS

DIGESTER 1 MB80T011	02/28/05	03/01/05
DIGESTER 2 MB80T012	04/20/05	04/21/05
DIGESTER 3 MB80T013	03/29/05 06/30/05	09/07/05 09/07/05

BIOSOLIDS STORAGE TANKS

BIOSOLIDS STORAGE TANK MB80T21	11/10/05	11/10/05
EM BIOSOLIDS STORAGE TANK MB80T22		

BIOSOLIDS STORAGE SILOS

SILO 1 MB86B1	01/06/05	01/08/05
SILO 2 MB86B2	03/03/05	03/04/05
SILO 3 MB86B3	05/24/05	05/24/05
SILO 4 MB86B4		
SILO 5 MB86B5		
SILO 6 MB86B6	09/22/05	09/23/05
SILO 7 MB86B7		
SILO 8 MB86B8		

EQUIPMENT OUT OF SERVICE IN 2005 BY DATE

Equipment	From	To	Notes
DEWATERING CENTRIFUGE 1	01/14/05	01/24/05	AREA 76. OVERHAUL DEWATERING CENTRIFUGE AND PERFORM OPERATIONAL TEST.PLEASE SEE ATTACHED WORK NOTES.
DEWATERING CENTRIFUGE 1	01/27/05	02/22/05	DC #1 tripped off on back drive malfunction & Hi Hi Torque at start up when sludge feed was introduced at 150 gpm. Reset DC #1 and restarted, during start up mode tripped off on Hi Hi Torque. Performed a C.I.P on the unit and placed out of service.
DEWATERING CENTRIFUGE 1	01/28/05	01/27/05	Dewatering Centrifuge #1 solids gate does not open ion auto when the load gets to 40... Operator has to put the gate in manual and open it
DEWATERING CENTRIFUGE 1	03/14/05	03/16/05	MBC DEWATERING CENTRIFUGE 1B--Check the belts and sheaves for excessive wear, proper alignment and tension. Vibration levels have exceeded the alert/fault level of the motor in the lower and high frequency ranges. Please complete repair within 30 days of transfer to facility. Upon completion of work submit a sub WO for RMG to retest.
DEWATERING CENTRIFUGE 1	03/22/05	03/25/05	MBC DEWATERING CENTRIFUGE 1B--Check the belts and sheaves for excessive wear, proper alignment and tension. Vibration levels have exceeded the alert/fault level of the motor in the lower and high frequency ranges. Please complete repair within 30 days of transfer to facility. Upon completion of work submit a sub WO for RMG to retest.
DEWATERING CENTRIFUGE 1	04/20/05	04/20/05	Change solenoid valve on oil cooling water.
DEWATERING CENTRIFUGE 1	04/27/05	05/10/05	Cut hole in stainless steel degass box lid for 2" centrate sample drain line, see Leo Wilson or John Faxon for details
DEWATERING CENTRIFUGE 1	05/09/05	05/11/05	Change backdrive jackshaft bearings.
DEWATERING CENTRIFUGE 1	05/12/05	05/12/05	Clean heat exhanger in place.
DEWATERING CENTRIFUGE 1	05/13/05	05/13/05	AREA 76 . DEWATERING CENTRIFUGE #01 DOES NOT HAVE ANY DISPLAY AT LOCAL CONTROL PANEL. PLEASE INVESTIGATE AND CORRECT PROBLEM.

Equipment	From	To	Notes
DEWATERING CENTRIFUGE 1	06/13/05	06/23/05	MBC -- DEWATERING CENTRIFUGE (BK DRIVE) -- Check the belts and sheaves for excessive wear, proper alignment and tension. Vibration levels have exceeded the alert/fault level of the motor and pillow block in the lower and upper frequency ranges. Spectral and waveform analysis of this unit indicates belt related problems and electrical noise in the motor. Please complete repairs within 7 days. Upon completion of repairs, create a sub WO to RMG for follow up vibration testing.
DEWATERING CENTRIFUGE 1	06/27/05	06/30/05	Retest for vibration after changing broken motor base.
DEWATERING CENTRIFUGE 1	08/30/05	08/30/05	GFI circuit trips out on startup of DC. Please check circuit and replace GFI if required.
DEWATERING CENTRIFUGE 1	12/12/05	12/21/05	Dewatering Centrifuge #1 solids gate would not close for approx. 30 seconds while the relay was clacking inside the MCC room panel while the unit was shutting down at a load of 30...
DEWATERING CENTRIFUGE 2	01/26/05	01/27/05	AREA 76 . REPLACE DELTA RUN NEMA SIZE 5 CHATTERING CONTACTOR INSIDE DEWATERING CENTRIFUGE LOCAL CONTROL PANEL .
DEWATERING CENTRIFUGE 2	01/28/05	02/23/05	Centrifuge #2 diverter gate does not open in auto at a laod of 40...operator has to put centrifuge in manual and open the gate...FIRST WORK REQUEST WRITTEN 10/11/04 WR #04-004617 this could pack the centrifuge if in the laod mode the gate does not open!!
DEWATERING CENTRIFUGE 2	03/23/05	03/24/05	AREA 76 . REPLACE NEMA SIZE 5 CHATTERING CONTACTOR INSIDE DEWATERING CENTRIFUGE LOCAL CONTROL PANEL .THIS WILL COMPLETE ALL (3) CONTACTORS REPLACEMENT .
DEWATERING CENTRIFUGE 2	04/20/05	04/22/05	Change solenoid valve on oil cooling water.
DEWATERING CENTRIFUGE 2	04/27/05	05/10/05	Cut hole in stainless steel degass box lid for 2" centrate sample drain line, see Leo Wilson or John Faxon for details
DEWATERING CENTRIFUGE 2	04/27/05	04/27/05	Troubleshoot no flow to cooling water on lube oil system.
DEWATERING CENTRIFUGE 2	05/09/05	05/10/05	Change backdrive jackshaft bearings.

Equipment	From	To	Notes
DEWATERING CENTRIFUGE 2	05/23/05	05/24/05	DC #2 continues to trip off on Drive motor overload. This occurs imediately when transitioning from start up mode to spin mode, amps are high 584, which also causes DC #4 to shut down also.
DEWATERING CENTRIFUGE 2	06/02/05	06/02/05	76MV1568 motorized valve may or may not be opening via DCS. This causing water backup into DC. Please verify valve position with operations and clear if required.
DEWATERING CENTRIFUGE 2	9/13/2005	9/13/2005	DC #2 has problem during start up mode, will not transition from Yellow to green, possible relay sticking in electrical panel.
DEWATERING CENTRIFUGE 2	10/18/05	10/18/05	Centrate Valve is struck in open position. Please exercise valve open and close twice to free movement.
DEWATERING CENTRIFUGE 2	07/19/05	07/20/05	DC#2 will not transition over to full start mode, stays in yellow on DCS will not transition to green. CIP was done on DC #2 still same result. Needs to be checked out by Tech.
DEWATERING CENTRIFUGE 2	09/13/05	09/13/05	DC #2 has problem during start up mode, will not transition from Yellow to green, possible relay sticking in electrical panel.
DEWATERING CENTRIFUGE 2	10/18/05	10/18/05	Centrate Valve is struck in open position. Please exercise valve open and close twice to free movement.
DEWATERING CENTRIFUGE 3	01/06/05	04/14/05	RESET AND TEST VIBRATION ALARM
DEWATERING CENTRIFUGE 3	02/08/05	02/25/05	The centrate gate valve #76-MV-1578 for Dewatering Centrifudge #3 is closed and will not open from the hand station, valve location is high up hard to get to. Valve should be open at start up of DC.
DEWATERING CENTRIFUGE 3	04/21/05	04/21/05	Change solenoid valve on oil cooling water.
DEWATERING CENTRIFUGE 3	04/27/05	05/10/05	Cut hole in stainless steel degass box lid for 2" centrate sample drain line, see Leo Wilson or John Faxon for details
DEWATERING CENTRIFUGE 3	06/09/05	06/30/05	Test unit after cleaning. (Vibration Analysis)

Equipment	From	To	Notes
DEWATERING CENTRIFUGE 3	06/09/05	06/16/05	MBC -- DEWATERING CENTRIFUGE #3 (DRIVE) -- Clean and inspect the centrifuge for excessive material build up and damage. Spectral and waveform analysis of this unit indicates an unbalance issue in the centrifuge. Please complete repairs within 30 days. Upon completion of repairs, create a sub WO to RMG for follow up vibration testing.ords
DEWATERING CENTRIFUGE 3	06/30/05	06/30/05	Hydraulic oil cooling water on without DC being on line. Please check for possible stuck solenoid.
DEWATERING CENTRIFUGE 3	10/05/05	10/05/05	Exercise valve twice and leave in open position.
DEWATERING CENTRIFUGE 4	01/25/05	01/27/05	Weld 63 tiles on conveyor of Centrifuge.
DEWATERING CENTRIFUGE 4	01/26/05	01/27/05	Please construct a new shim using the the old as a sample.Please make the thickness .112 Inside and outside diameters stay the same size.
DEWATERING CENTRIFUGE 4	01/28/05	01/28/05	Weld tiles on conveyor.
DEWATERING CENTRIFUGE 4	04/12/05	04/13/05	Replace temp. control valve on oil cooling water line.
DEWATERING CENTRIFUGE 4	04/12/05	04/13/05	Replace temp. control valve on oil cooling water line.
DEWATERING CENTRIFUGE 4	04/21/05	04/21/05	Data Link Failure.
DEWATERING CENTRIFUGE 4	04/27/05	04/28/05	Gas box is plugged and is not allowing centrate draining. Please unplug gas box.
DEWATERING CENTRIFUGE 4	05/06/05	05/06/05	Clean degass drain lines.
DEWATERING CENTRIFUGE 4	06/14/05	06/14/05	DC#4 has a data link fail.
DEWATERING CENTRIFUGE 4	06/22/05	06/24/05	High temperature on lub oil cooling system. Please check piping for clogging. Clean or replace as needed.
DEWATERING CENTRIFUGE 4	06/23/05	06/23/05	The centrate diverter gate is stuck in travel and will not reset, needs to be repaired.
DEWATERING CENTRIFUGE 4	06/29/05	06/30/05	Replace shim behind main drive sheave, to eliminate grease from entering oil.
DEWATERING CENTRIFUGE 5	01/05/05	01/05/05	AREA 76.DC # 05 ALARMS WILL NOT RESET AT LOCAL CONTROL PANEL .PLEASE INVESTIGATE AND CORRECT PROBLEM.

Equipment	From	To	Notes
DEWATERING CENTRIFUGE 5	01/06/05	04/19/05	RESET AND TEST VIBRATION ALARM
DEWATERING CENTRIFUGE 5	01/11/05	01/12/05	Welds 6 tiles on the conveyor
DEWATERING CENTRIFUGE 5	01/25/05	01/28/05	Modify existing plumbing for octopus
DEWATERING CENTRIFUGE 5	03/07/05	03/10/05	Diverter gate will not operate, diverter gate overload tripped.
DEWATERING CENTRIFUGE 5	04/12/05	04/13/05	Replace temp. control valve on oil cooling water line.
DEWATERING CENTRIFUGE 5	04/12/05	04/13/05	Replace temp. control valve on oil cooling water line.
DEWATERING CENTRIFUGE 5	04/20/05	04/21/05	Repair or replace solenoid valve on oil cooling water.
DEWATERING CENTRIFUGE 5	04/27/05	05/11/05	Cut hole in stainless steel degass box lid for 2" centrate sample drain line, see Leo Wilson or John Faxon for details
DEWATERING CENTRIFUGE 5	05/12/05	05/13/05	Replace heat exchanger.
DEWATERING CENTRIFUGE 5	06/24/05	06/30/05	Vibration retest after repairs.
DEWATERING CENTRIFUGE 6	03/22/05	04/04/05	MBC Dewatering Centrifuge #6 Conduct Rotor Bar Analysis on the motor and retest the whole unit. Spectral and waveform analysis of this unit indicates a moderate level of 2xRBPF (rotor bar passing frequency) with 2Fl sidebands. Please complete repairs within 45 days of transfer to facility. Upon completion of repairs, create a SUB WO for RMG to retest.
DEWATERING CENTRIFUGE 6	03/22/05	03/22/05	No power to the ABC control panel
DEWATERING CENTRIFUGE 6	04/22/05	04/22/05	Change solenoid valve on oil cooling water.
DEWATERING CENTRIFUGE 6	05/16/05	05/23/05	DC #6 tripping out on High Vibration during the start up mode. Needs to be inspected.
DEWATERING CENTRIFUGE 6	07/14/05	07/15/05	AREA 76.DEWATERING CENTRIFUGE FEED PUMP INLET PRESSURE (M76PT2605) AND DISCHARGE (M76PT2532) ARE IN BAD QUALITY .PLEASE INVESTIGATE AND CORRECT PROBLEM .
DEWATERING CENTRIFUGE 7	01/25/05	01/28/05	Modify existing plumbing for octopus.

Equipment	From	To	Notes
DEWATERING CENTRIFUGE 7	02/07/05	02/08/05	Clean drain line in the octopus system
DEWATERING CENTRIFUGE 7	02/10/05	02/11/05	Replace pump on octopus system.
DEWATERING CENTRIFUGE 7	02/10/05	02/11/05	Disconnect electrical on octopus pump and reconnect electrical on new pump.
DEWATERING CENTRIFUGE 7	03/22/05	04/05/05	MBC Dewatering Centrifuge #7 Conduct Rotor Bar Analysis on the motor. Vibration Testing indicates Vibration levels have exceeded the alert/fault level of the motor in the high frequency ranges and the warning/alert level of the motor in the lower frequency ranges. Spectral and waveform analysis of this unit indicates a moderate level RBPF (rotor bar passing frequency). Create WO for RMG to conduct Roter Bar Analysis. Please complete repairs within 45 days of transfer to facility. Upon Completion of repairs, create a SUB WO for RMG to retest.
DEWATERING CENTRIFUGE 7	03/28/05	03/30/05	Remove rotating assembly and replace with spare unit. Repair rotating assembly.
DEWATERING CENTRIFUGE 7	04/05/05	04/09/05	Overhaul spare rotating assembly and replace in DC 7.
DEWATERING CENTRIFUGE 7	04/05/05	04/06/05	Weld tiles on conveyor.
DEWATERING CENTRIFUGE 7	04/08/05	04/11/05	Remove set screws and re-tap threaded holes on accelerator, and dissasemble urathane liner.
DEWATERING CENTRIFUGE 7	04/18/05	04/20/05	Dewatering Centrifuge #7 is in high torque alarm and there is no display on ANY OF THE CONTROLLERS!!! This is not good we need it ASAP.

Equipment	From	To	Notes
DEWATERING CENTRIFUGE 7	05/02/05	05/09/05	The Asset Management Fund committee requires all work requests for a refund to be input into EMPAC. This was not done for the recent floor drain piping replacement at Dewatering Centrifuge #7. Please input this job into EMPAC, even though the work has been done by the GRC contractor. This is a formality for asset tracking purposes. The following information may assist the AMF committee with their work. The construction finish date was January 2, 2004. The P.O. is 5064457 Date Issued January 04. Contact Jackie Haynes, 858-654-4264 The Total Contract Amount is $6,232.71 Amount of BST Contract $6,232.71 Bid Number GRC 3C001 EPM GRC Coordinator: Leigh Ann Derbawka, X4567 O&M/MBC Engineering: Gerry Barca, X45822 This pipe replacement is a one time job, maintenance staff will begin regular pipe cleaning and total pipe replacement not be repeated.
DEWATERING CENTRIFUGE 7	05/13/05	05/13/05	AREA 76 . DEWATERING CENTRIFUGE TRIPPING ON " MOTOR OVERLOAD " PLEASE INVESTIGATE AND CORRECT PROBLEM. (CIP MAY BE NEEDED PRIOR OF RESTATING CENTRIFUGE)
DEWATERING CENTRIFUGE 8	04/20/05	04/20/05	Change solenoid valve on oil cooling water.
DEWATERING CENTRIFUGE 8	05/13/05	05/13/05	AREA 76 . DEWATERING CENTRIFUGE # 08 . BACKDRIVE FAILURE .PLEASE INVESTIGATE AND CORRECT PROBLEM.
DEWATERING CENTRIFUGE 8	05/16/05	05/23/05	DC #8 continues to trip off on Drive Motor Overload. This occurs when the Load reaches 40 on the DC and the amps shoot up over 580 causing unit to trip off, also causes DC #7 to trip off also. Troubleshooted DC with I&C recommended DC Bowl inspection.

Equipment	From	To	Notes
THICKENING CENTRIFUGE 1	06/13/05	06/22/05	Provide rigging for installation of sensor.
THICKENING CENTRIFUGE 2	03/14/05	04/25/05	MBC THICKENING CENTRIFUGE (Bk Drv) -- Inspect the sheave bearings bolts for proper adjustment. Vibration levels have exceeded the alert/fault level of the sheave bearing in the 6-12 times turn speed band. Spectral and waveform analysis of this unit indicates a possible mechanical looseness type B (Fasteners). Please complete repair within 30 days of transfer to facility. Upon completion of work, submit a sub WO for RMG toretest.
THICKENING CENTRIFUGE 2	06/28/05	06/27/05	MBC THICKENING CENTRIFUGE (Bk Drv) -- Inspect the sheave bearings bolts for proper adjustment. Vibration levels have exceeded the alert/fault level of the sheave bearing in the 6-12 times turn speed band. Spectral and waveform analysis of this unit indicates a possible mechanical looseness type B (Fasteners). Please complete repair within 30 days of transfer to facility. Upon completion of work, submit a sub WO for RMG toretest.
THICKENING CENTRIFUGE 3	01/11/05	01/12/05	TC #3 is tripped out on "BACKDRIVE OVERLOAD" and will not start. Need to be reset by I&C people.
THICKENING CENTRIFUGE 3	06/22/05	06/30/05	Remove, coat and replace spool for sensor mounting
CENTRATE PUMP 1	06/24/05	06/27/05	Troubleshoot and repair 94LCP01.
CENTRATE PUMP 1	12/13/05	12/13/05	Speed control for pump is cutting in and out cause pump to go off line.
CENTRATE PUMP 3	04/27/05	04/27/05	Assist Operations with trouble shooting pump #3 restart
GRIT SEPARATOR 1	06/01/05	12/31/05	CIP Project for maintenance Platform.
GRIT SEPARATOR 2	04/27/05	04/27/05	Remove flex lines and cap with cam-lock caps.
GRIT SEPARATOR 2	06/01/05	12/31/05	CIP Project for maintenance Platform
GRIT SEPARATOR 3	04/27/05	04/27/05	Remove flex lines and cap with cam-lock caps.

Equipment	From	To	Notes
GRIT SEPARATOR 3	06/01/05	12/31/05	CIP Project for maintenance Platform
FLARE 1	03/21/05	03/22/05	M80BI9102 ...GAS FLARE 1 FLAME ANALYZER ... 144 Alarms on 3/15 for "NO VALUE"...please have I & C find out why it keeps going into alarm.
FLARE 1	04/05/05	04/12/05	AREA 80. FLARE #01 DEFECTIVE THERMOCOUPLE. PLEASE REPLACE UNIT(MPAC #27715) AND PERFORM OPERATIONAL TEST
FLARE 1	05/17/05	05/18/05	The flame analyzer for each flare is alarming nurmrous times each day. The APCD permit states, " the equipment shall be in good working condition at all times". Please FIX the flame analyzers.
FLARE 1	05/23/05	05/26/05	Gas flare is alarming because of low temperature. Please check PLC and/or percentage of opening on damper to verify correct opening for temperature controls.
FLARE 1	06/01/05	06/16/05	Replace the middle and lower thermocouples for MB80GFL001 flare number 1
FLARE 1	08/24/05	08/24/05	Temperature sensor on flare #1 in Bad Quality. Please investigate.
DIGESTER 1	02/28/05	03/01/05	Digester 1 pH probe (asset number M80AI2102) needs to be calibrated. 51 Lab results of the pH is around 7.3 whereas the DCS reflects an average of 6.7.
DIGESTER 2	04/20/05	04/21/05	AREA 80 . DURING PREVENTIVE MAINTENANCE FOUND DIGESTER # 02 , HIGH - HIGH OVERFLOW ALARM (M80LAHH2204) .PLEASE INVESTIGATE AND CORRECT PROBLEM .

Equipment	From	To	Notes
DIGESTER 3	03/29/05	09/07/05	Need tech to investigate and repair the Motorize Valve 80-MV-1621 (Digester 3 Condensation Pit Isolation valve for the gas). Valve will not operate from the hand station, breaker is in the "ON" position. Valve must be repaired soon because Digester 3 is in use. This valve is the only valve to drain the condensation from the line, failure to drain line will cause liquid build up in the line that will block gas transfer, this will build pressure in digester 3 and vent through the verics. Note: Safety problem, Manual isolation valve is very hard to operate, requires a long cheater bar to move valve, valve is in the open position and draining is done through the Motorize valve. If the Manual Iso valve can be repaired to operate freely then the MV can be left in the open position and the Manual valve can be used to drain condensate. At present if a crew is working on the MV and is able to open and close the valve, gas could be blown into the pit. Be sure the manual valve is fully closed before doing work in the pit.
DIGESTER 3	06/30/05	09/07/05	Possible water leak of unknown origin trickling down NE wall of Digester 3 in gallery. Tricke is slow and steady coming out of wall where utility water line protrudes out of wall.
BIOSOLIDS STORAGE TANK	11/10/05	11/10/05	AREA 80 .BIOSOLIDS STRORAGE TANK INLET FLOW (80-FT-2903) OUT OF CALIBRATION . PLEASE INVESTIGATE AND CORRECT PROBLEM .
SILO 1	01/06/05	01/08/05	The level indicator #M86LT2110 for Silo #1 is reading in bad quality, needs to be repaired.
SILO 2	03/03/05	03/04/05	Silo 2 level indicator #86-LT-2120, is not working properly, shows 27 ft. when there is 9 ft. of cake in silo 2.
SILO 3	05/24/05	05/24/05	Silo #3 is over filling, cannot Advance to other Silo's. Please chech hand stations and Master Valve Station for correct operation.
SILO 6	09/22/05	09/23/05	Silo inlet valves 1160 & 1161 will not open from DCS or in DCS manual. Valve Master Station 8604 is effecting the valves, need I&C tech to investigate.

F. Solids Handling Annual Report

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

2005 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 127,792 wet tons/37,966 dry tons (34,466 dry metric tons) of digested sludge (biosolids) in 2005.

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.

All 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(MBC) and disposition is shown as summarized below.

Disposition	**Wet tons** (short)	**Dry tons4**	**Dry metric tons**
Disposal in sanitary landfill	15,461	4,607	**4,182**
Beneficial reuse as Alternative Daily Cover (ADC) at landfill	88,064	26,243	**23,823**
Land application in Arizona	24,242	7,331	6,655

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).

4 (based on 29.8% average TS)

Land Applier: **Solid Solutions**
Address: 12340 Seal Beach Blvd., Suite B-383, Seal Beach, CA 90740
Period: January 1, 2005 - December 31, 2005
Reuse method: Direct land application. Digested dewatered sludge from the MBC centrifuges were land applied directly to fields in Yuma and La Paz Counties, 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 and La Paz Counties, 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 Standard 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 may differ slightly.

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), 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 2005 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.

Additional analyses, including the rest of the "priority pollutant list"5, were performed during 2005 and the reports of these analyses are included in Enclosure 7.

Table 1.A. Landfill location used during 2005 is as follows:

Otay Landfill 1700 Maxwell Road Chula Vista, San Diego County, CA 91911	15,486 wet tons(4,615 dry tons/4,189 dry metric tons) based on 29.8% average solids) disposed of from January to December 2005 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

Table 1B. Annual biosolids Beneficial Use & Landfill Disposal Summary

2005 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)	VF Investment Farms, La Paz County, AZ Beneficial Use[2] (wet Tons)	Total (wet Tons)	%TS	Total Dry Tons	Total Biosolids (dry metric tons)
January	6,959.27	409.40	7,368.67		3,058.30		10,426.97	32.0	3,336.63	3,026.99
February	5,078.80	1,152.11	6,230.91	199.50	1,885.73	663.57	8,979.71	32.9	2,954.32	2,680.16
March	3,350.17	4,254.34	7,604.51	674.27	2,521.87		10,800.65	32.1	3,467.01	3,145.27
April	72.88	6,823.83	6,896.71	177.11	2,636.99		9,710.81	30.1	2,922.95	2,651.70
May	24.79	8,652.78	8,677.57		1,982.67		10,660.24	28.9	3,080.81	2,794.91
June		9,187.63	9,187.63		1,573.19		10,760.82	28.9	3,109.88	2,821.28
July		9,366.91	9,366.91	1,491.03			10,857.94	28.7	3,116.23	2,827.04
August [1]		10,306.59	10,306.59	803.90	455.08		11,565.57	28.2	3,261.49	2,958.82
September		9,615.47	9,615.47		1,721.64		11,337.11	28.5	3,231.08	2,931.23
October		9,491.84	9,491.84		1,544.32		11,036.16	28.7	3,167.38	2,873.45
November		8,755.82	8,755.82		1,787.95		10,543.77	29.0	3,057.69	2,773.94
December		10,047.31	10,047.31		1,064.63		11,111.94	29.3	3,255.80	2,953.66
Total:	15,485.91	88,064.03	103,549.94	3,345.81	20,232.37	663.57	127,791.69		37,961.27	34,438.46
Monthly Average:	3,097.18	7,338.67	8,629.16	669.16	1,839.31		10,649.31	29.8	3,163.44	2,869.87

[1] beneficial use as Alternative Daily Cover.

[2] beneficial use in Land Application.

[3] August values for Cullison and Norris Farms are corrected from the monthly reports, in which field numbers were transposed; totals remain the same.

Table 1C. 2005 Biosolids Land Application

Month	%TS	Cullison , Yuma County, AZ		Norris, Yuma County, AZ		VF Investments, La Paz County, AZ		Total Monthly	Total Monthly	Total Metric
		wet tons	dry tons	wet tons	dry tons	wet tons	dry tons	wet tons	dry tons	dry tons
January	32.0	3,058.30	978.66		0.00		0.00	3,058.30	978.66	888.42
February	32.9	1,885.73	620.41	199.50	65.64	663.57	218.31	2,748.80	904.36	820.97
March	32.1	2,521.87	809.52	674.27	216.44		0.00	3,196.14	1,025.96	931.37
April	30.1	2,636.99	793.73	177.11	53.31		0.00	2,814.10	847.04	768.95
May	28.9	1,982.67	572.99		0.00		0.00	1,982.67	572.99	520.16
June	28.9	1,573.19	454.65		0.00		0.00	1,573.19	454.65	412.73
July	28.7		0.00	1,491.03	427.93		0.00	1,491.03	427.93	388.47
1-Aug	28.2	455.08	128.33	803.90	226.70		0.00	1,258.98	355.03	322.30
September	28.5	1,721.64	490.67		0.00		0.00	1,721.64	490.67	445.43
October	28.7	1,544.32	443.22		0.00		0.00	1,544.32	443.22	402.35
November	29.0	1,787.95	518.51		0.00		0.00	1,787.95	518.51	470.70
December	29.3	1,064.63	311.94		0.00		0.00	1,064.63	311.94	283.18
2005 Totals	Avg =29.8	20,232.37	6,122.62	3,345.81	990.01	663.57	218.31	24,241.75	7,330.95	6,655.03

[1] August values for Cullison and Norris Farms are corrected from the monthly reports, in which field numbers were transposed; totals remain the same.

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

2005 Month:	Copper Mountain Landfill **Scum (Tons)**	Otay Landfill **Scum (Tons)**	Miramar Landfill **Grit (Tons)**	Miramar Landfill **Rags & Screenings (Tons)**
January	27.35		187.83	549.21
February	51.46		183.30	498.81
March	17.41		189.19	555.74
April	39.84		193.77	492.16
May	24.90	8.18	173.70	552.44
June	34.00		168.37	430.56
July	16.59		240.28	597.92
August	16.84		280.77	544.51
September	32.41		216.34	522.85
October	32.43		190.93	532.57
November	36.17	10.31	175.53	586.11
December	50.24		157.32	600.50
Total:	379.64	18.49	2,357.33	6,463.38
Average:	**31.64**	**9.25**	**196.44**	**538.62**

Point Loma Annual Monitoring Report
Solids Report – **TOTALS**

From 01-JAN-2005 To 31-DEC-2005

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	33,907,301	5,479	33,907,450	3,132	79,315,591	868	10,427	3,332
02	30,085,333	4,961	30,085,480	2,687	76,130,974	752	8,980	2,958
03	35,938,423	5,631	35,939,000	3,304	80,491,890	881	10,801	3,472
04	33,802,636	5,497	33,772,270	2,957	74,604,510	857	9,711	2,924
05	31,652,102	5,158	30,788,190	2,782	76,620,887	921	10,660	3,084
06	33,525,638	5,431	32,819,950	3,030	71,845,414	895	10,761	3,104
07	36,249,320	5,429	36,335,370	3,159	78,223,476	905	10,858	3,113
08	35,436,072	5,570	35,347,380	3,179	81,344,909	939	11,566	3,265
09	22,765,867	3,584	33,253,010	3,002	78,282,538	936	11,337	3,231
10	34,648,453	5,113	34,784,113	3,108	81,711,944	999	11,036	3,169
11	32,838,572	4,941	33,186,837	2,913	78,768,953	828	10,544	3,061
12	32,124,280	5,135	32,129,392	2,775	78,918,521	843	11,112	3,255
avg	32,747,833	5,161	33,529,037	3,002	78,021,634	885	10,649	3,164
sum	392,973,997	61,928	402,348,442	36,028	936,259,607	10,624	127,792	37,968

Solids Report - Daily **Averages** by Month
From 01-JAN-2005 To 31-DEC-2005

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	1,093,784	3.9	176	1,093,789	2.2	101	2,558,568	0.26	28.1	336	32.0	107.5
02	1,074,476	4.0	176	1,074,481	2.1	96	2,718,963	0.24	26.8	321	32.9	105.6
03	1,159,304	3.8	181	1,159,323	2.2	106	2,596,513	0.26	28.4	348	32.1	112.0
04	1,126,755	3.9	183	1,125,742	2.1	99	2,486,817	0.28	28.6	324	30.1	97.5
05	1,055,070	3.9	172	1,061,662	2.2	96	2,471,642	0.29	29.7	344	28.9	99.5
06	1,117,521	3.9	181	1,093,998	2.2	99	2,394,847	0.30	29.1	359	28.9	103.5
07	1,169,333	3.6	176	1,172,109	2.1	101	2,523,338	0.28	29.1	350	28.7	100.4
08	1,143,099	3.8	180	1,140,238	2.2	102	2,624,029	0.28	30.3	373	28.2	105.3
09	1,084,089	3.8	166	1,108,434	2.2	100	2,609,418	0.29	31.1	378	28.5	107.7
10	1,117,692	3.5	165	1,122,068	2.1	101	2,635,869	0.29	32.3	356	28.7	102.2
11	1,094,619	3.6	165	1,106,228	2.1	96	2,625,632	0.25	27.5	351	29.0	102.0
12	1,036,267	3.8	166	1,036,432	2.1	89	2,545,759	0.26	27.1	358	29.3	105.0
avg	1,106,001	3.8	174	1,107,875	2.2	99	2,565,949	0.27	29.0	350	29.8	104.0

Note: A ton is a Ashort 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 other analyses of dewatered biosolids for 2005.
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 2005.

POINT LOMA WASTEWATER TREATMENT PLANT

METRO BIOSOLIDS CENTER
ANNUAL DEWATERED SLUDGE COMPOSITES
Trace Metals

From: 01-JAN-2005 to: 31-DEC-2005

Source:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			31-JAN-2005	28-FEB-2005	31-MAR-2005	30-APR-2005	31-MAY-2005	30-JUN-2005
Sample ID:	MDL	Units	P287546	P290401	P293551	P297203	P301115	P304500
pH	.08	PH	7.87	7.83	8.08	7.93	7.84	7.97
Total Solids		WT%	31.4	30.5	30.4	29.3	27.9	27.2
Total Volatile Solids		WT%	50.3	51.6	48.7	53.4	54.6	54.7
Total Kjeldahl Nitrogen	.04	WT%	NA	3.98	NA	NA	2.36	NA
Total Nitrogen	1.1	WT%	4.91	5.07	4.00	4.86	5.97	4.19
Sulfides-Total	2170	MG/KG	7780	10300	4730	10500	12700	22500
Sulfides-Reactive	11	MG/KG	ND	15	ND	19	27	49
Cyanides,Total	.1	MG/KG	NA	1.09	NA	NA	1.30	NA
Aluminum	1.32	MG/KG	11800	11300	12700	9390	9310	9100
Antimony	.451	MG/KG	1.1	2.1	1.9	2.2	1.7	2.4
Arsenic	.68	MG/KG	9.36	7.47	9.93	5.96	4.26	3.79
Barium	.0063	MG/KG	504	550	522	439	491	488
Beryllium	.0039	MG/KG	0.14	0.14	0.18	0.11	0.06	ND
Cadmium	.0175	MG/KG	1.5	1.6	1.8	1.8	1.8	2.2
Chromium	.0831	MG/KG	47	51	57	52	41	45
Cobalt	.083	MG/KG	2.6	2.8	3.2	2.3	1.8	2.4
Copper	.0546	MG/KG	560	609	560	598	548	675
Iron	1.98	MG/KG	93800	90200	89400	77000	89300	98900
Lead	.604	MG/KG	26	25	33	22	21	23
Manganese	.0118	MG/KG	290	295	311	309	310	280
Mercury	.4	MG/KG	1.38	1.94	1.68	1.69	1.78	1.65
Molybdenum	.143	MG/KG	15	16	16	15	15	17
Nickel	.0628	MG/KG	28	29	33	31	26	29
Selenium	.47	MG/KG	4.95	4.97	4.73	4.65	5.16	5.03
Silver	.06	MG/KG	16	18	17	17	16	18
Thallium	.771	MG/KG	ND	ND	ND	ND	ND	ND
Vanadium	.0637	MG/KG	52	52	57	39	35	61
Zinc	.115	MG/KG	734	745	733	698	898	971

Source:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			31-JUL-2005	31-AUG-2005	30-SEP-2005	31-OCT-2005	30-NOV-2005	31-DEC-2005
Sample ID:	MDL	Units	P308785	P312471	P315926	P319850	P323080	P326461
pH	.08	PH	8.13	8.19	8.01	8.21	8.18	7.92
Total Solids		WT%	27.3	27.7	27.3	27.4	28.2	29.7
Total Volatile Solids		WT%	54.8	55.9	54.5	52.8	56.3	57.0
Total Kjeldahl Nitrogen	.04	WT%	NA	4.15	NA	4.47	NA	NA
Total Nitrogen	1.1	WT%	4.64	4.53	4.80	4.40	4.51	4.67
Sulfides-Total	2170	MG/KG	14800	16500	25100	21300	19100	16500
Sulfides-Reactive	11	MG/KG	18	19	ND	30	<11	30
Cyanides,Total	.1	MG/KG	NA	1.13	NA	1.31	NA	NA
Aluminum	1.32	MG/KG	8790	8250	7800	8150	8450	7910
Antimony	.451	MG/KG	2.0	2.2	1.9	2.2	5.1	4.3
Arsenic	.68	MG/KG	3.29	3.89	3.64	4.22	3.99	4.18
Barium	.0063	MG/KG	358	564	312	337	501	525
Beryllium	.0039	MG/KG	0.01	ND	ND	ND	0.02	ND
Cadmium	.0175	MG/KG	2.2	2.1	1.9	2.3	2.5	2.0
Chromium	.0831	MG/KG	43	38	37	41	37	36
Cobalt	.083	MG/KG	3.4	2.2	2.7	2.5	2.0	2.3
Copper	.0546	MG/KG	588	645	600	591	669	638
Iron	1.98	MG/KG	82800	89400	95100	99000	105000	92400
Lead	.604	MG/KG	26	21	23	25	25	24
Manganese	.0118	MG/KG	249	267	296	303	311	289
Mercury	.4	MG/KG	1.39	1.23	1.25	1.38	1.34	1.45
Molybdenum	.143	MG/KG	23	21	20	20	19	17
Nickel	.0628	MG/KG	31	27	29	32	32	30
Selenium	.47	MG/KG	5.02	5.41	5.28	4.47	5.34	4.21
Silver	.06	MG/KG	20	18	19	22	21	8
Thallium	.771	MG/KG	ND	ND	ND	ND	ND	ND
Vanadium	.0637	MG/KG	143	180	211	189	182	163
Zinc	.115	MG/KG	815	777	843	901	1030	853

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
Radioactivity

From: 01-JAN-2005 to: 31-DEC-2005

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
PLE	08-FEB-2005	P285772	3.2±1.6	18.9±2.7
PLE	10-MAY-2005	P295093	2.9±1.1	13.9±3.3
PLE	09-AUG-2005	P305422	1.3±0.8	20.2±4.8
PLE	04-OCT-2005	P314584	1.9±1.1	13.1±3.4
PLR	08-FEB-2005	P285777	2.6±1.3	24.0±3.3
PLR	10-MAY-2005	P295098	3.7±1.3	21.6±4.2
PLR	09-AUG-2005	P305427	4.9±1.1	16.7±3.4
PLR	04-OCT-2005	P314589	5.8±1.6	17.4±3.6
MBC_COMBCN	08-FEB-2005	P285787	-0.4±0.8	37.8±4.6
MBC_COMBCN	10-MAY-2005	P295108	3.3±1.3	28.8±3.6
MBC_COMBCN	09-AUG-2005	P305437	1.5±1.9	28.2±5.8
MBC_COMBCN	04-OCT-2005	P314599	18.6±5.7	31.5±5.3

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
MBCDEWCN	28-FEB-2005	P290401	5040±2530	3340±1655
MBCDEWCN	31-MAY-2005	P301115	3920±2140	2170±1380
MBCDEWCN	31-AUG-2005	P312471	6060±2830	2990±1560
MBCDEWCN	31-OCT-2005	P319850	6290±2625	3760±1565

Units in picocuries per Kilogram (pCi/Kg)

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

MBCDEWCN= Metro Biosolids Center Dewatered Centrifuged Sludge.

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Chlorinated Pesticide Analysis
From 01-JAN-2005 To 31-DEC-2005

Analyte	MDL	Units	MBCDEWCN 31-JAN-2005 P287546	MBCDEWCN 28-FEB-2005 P290401	MBCDEWCN 31-MAR-2005 P293551	MBCDEWCN 30-APR-2005 P297203	MBCDEWCN 31-MAY-2005 P301115
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	32000	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	52000	35000	<28000	30500	55000
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	16000	NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	13000	NG/KG	25000	25000	36000	39500	49500
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	<18000	20500
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	32000	NG/KG	0	0	0	0	0
DDT and derivatives	71000	NG/KG	52000	35000	0	30500	55000
Chlordane + related cmpds.	48000	NG/KG	25000	25000	36000	39500	49500
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	77000	60000	36000	70000	125000

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Chlorinated Pesticide Analysis
From 01-JAN-2005 To 31-DEC-2005

Analyte	MDL	Units	MBCDEWCN 30-JUN-2005 P304500	MBCDEWCN 31-JUL-2005 P308785	MBCDEWCN 31-AUG-2005 P312471	MBCDEWCN 30-SEP-2005 P315926	MBCDEWCN 31-OCT-2005 P319850
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	32000	NG/KG	ND	ND	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND	ND	ND	20500
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	29000	ND	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	16000	NG/KG	ND	ND	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND	ND	ND
Alpha (cis) Chlordane	13000	NG/KG	15500	24500	45000	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	32000	NG/KG	0	0	0	0	20500
DDT and derivatives	71000	NG/KG	0	29000	0	0	0
Chlordane + related cmpds.	48000	NG/KG	15500	24500	45000	0	0
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	15500	53500	45000	0	20500

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE - Chlorinated Pesticide Analysis
From 01-JAN-2005 To 31-DEC-2005

Analyte	MDL	Units	MBCDEWCN 30-NOV-2005 P323080	MBCDEWCN 31-DEC-2005 P326461	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	32000	NG/KG	ND	ND	ND
BHC, Gamma isomer	18000	NG/KG	ND	ND	1708
BHC, Delta isomer	28000	NG/KG	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	ND
p,p-DDE	28000	NG/KG	<28000	29500	19250
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	16000	NG/KG	ND	ND	ND
Heptachlor epoxide	28000	NG/KG	ND	ND	ND
Alpha (cis) Chlordane	13000	NG/KG	ND	47000	25583
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	34500	4583
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	32000	NG/KG	0	0	1708
DDT and derivatives	71000	NG/KG	0	29500	19250
Chlordane + related cmpds.	48000	NG/KG	0	47000	25583
Polychlorinated biphenyls	580000	NG/KG	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	0	111000	51125

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

POINT LOMA WASTEWATER TREATMENT PLANT
From 01-JAN-2005 To 31-DEC-2005
ANNUAL SLUDGE PROJECT
Tributyl Tin (Sludge)

			MBCDEWCN 31-MAY-2005 P301115	MBCDEWCN 31-OCT-2005 P319850
Monobutyl Tin	4000	UG/KG	ND	ND
Tributyl tin	2600	UG/KG	ND	ND

nd= not detected
NA= not analyzed

POINT LOMA WASTEWATER TREATMENT PLANT
Quarterly Sludge Project
Herbicide Analysis
From 01-JAN-2005 To 31-DEC-2005

Sampling: AM Analysis: KD

Date:			MBCDEWCN 28-FEB-2005	MBCDEWCN 31-MAY-2005	MBCDEWCN 31-AUG-2005	MBCDEWCN 31-OCT-2005
Sample:	MDL	Units	P290401	P301115	P312471	P319850
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
SEMI-ANNUAL SLUDGE PROJECT- Organophosphorus PesticidesEPA Method 614/622 (with additions)

From 01-JAN-2005 To 31-DEC-2005

Sampling: AM
Analysis: CW,TB,KD

Analyte	MDL	Units	PLE 10-MAY-2005 P295093	PLE 04-OCT-2005 P314584	PLR 10-MAY-2005 P295098	PLR 04-OCT-2005 P314589	MBC_COMBCN 10-MAY-2005 P295108
Demeton O	.15	UG/L	ND	ND	ND	ND	ND
Demeton S	.08	UG/L	ND	ND	ND	ND	ND
Diazinon	.03	UG/L	<0.0	ND	0.1	ND	ND
Guthion	.15	UG/L	ND	ND	ND	ND	ND
Malathion	.03	UG/L	0.1	0.1	<0.0	0.1	ND
Parathion	.03	UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.1	0.1	<0.0	0.1	0.0
Demeton -O, -S	.15	UG/L	0.0	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3	UG/L	<0.1	0.1	<0.1	0.2	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	.02	UG/L	ND	ND	ND	ND	ND
Monocrotophos		UG/L	NA	NA	NA	NA	NA
Dimethoate	.04	UG/L	ND	ND	ND	ND	ND
Ronnel	.03	UG/L	ND	ND	ND	ND	ND
Trichloronate	.04	UG/L	ND	ND	ND	ND	ND
Merphos	.09	UG/L	ND	ND	ND	ND	ND
Dichlofenthion	.03	UG/L	ND	ND	ND	ND	ND
Tokuthion	.06	UG/L	ND	ND	ND	ND	ND
Stirophos	.03	UG/L	ND	ND	ND	ND	ND
Bolstar	.07	UG/L	ND	ND	ND	ND	ND
Fensulfothion	.07	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	.03	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-2005 To 31-DEC-2005

Sampling: AM
Analysis: CW,TB,KD

Analyte	MDL	Units	MBC_COMBCN 04-OCT-2005 P314599	MBC_NC_DSL 10-MAY-2005 P295163	MBC_NC_DSL 04-OCT-2005 P314654	MBC_NC_RSL 10-MAY-2005 P295161	MBC_NC_RSL 04-OCT-2005 P314652
Demeton O	.15	UG/L	ND	ND	ND	ND	ND
Demeton S	.08	UG/L	ND	ND	ND	ND	ND
Diazinon	.03	UG/L	ND	ND	ND	ND	ND
Guthion	.15	UG/L	ND	ND	ND	ND	ND
Malathion	.03	UG/L	ND	ND	ND	ND	ND
Parathion	.03	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	.15	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	.02	UG/L	ND	ND	ND	ND	ND
Monocrotophos		UG/L	NA	NA	NA	NA	NA
Dimethoate	.04	UG/L	ND	ND	ND	ND	ND
Ronnel	.03	UG/L	ND	ND	ND	ND	ND
Trichloronate	.04	UG/L	ND	ND	ND	ND	ND
Merphos	.09	UG/L	ND	ND	ND	ND	ND
Dichlofenthion	.03	UG/L	ND	ND	ND	ND	ND
Tokuthion	.06	UG/L	ND	ND	ND	ND	ND
Stirophos	.03	UG/L	ND	ND	ND	ND	ND
Bolstar	.07	UG/L	ND	ND	ND	ND	ND
Fensulfothion	.07	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	.03	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-2005 To 31-DEC-2005

Sampling: AM

Analysis: CW,TB,KD

Analyte	MDL	Units	RAW COMP 10-MAY-2005 P295133	RAW COMP 04-OCT-2005 P314624	DIG COMP 10-MAY-2005 P295147	DIG COMP 04-OCT-2005 P314638
Demeton O	.15	UG/L	ND	ND	ND	ND
Demeton S	.08	UG/L	ND	ND	ND	ND
Diazinon	.03	UG/L	ND	ND	ND	ND
Guthion	.15	UG/L	ND	ND	ND	ND
Malathion	.03	UG/L	3.0	ND	1.3	ND
Parathion	.03	UG/L	ND	ND	ND	ND
Thiophosphorus Pesticides	.15	UG/L	3.0	0.0	1.3	0.0
Demeton -O, -S	.15	UG/L	0.0	0.0	0.0	0.0
Total Organophosphorus Pesticides	.3	UG/L	3.0	4.5	2.8	4.9
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	.02	UG/L	ND	ND	ND	ND
Monocrotophos		UG/L	NA	NA	NA	NA
Dimethoate	.04	UG/L	ND	ND	ND	ND
Ronnel	.03	UG/L	ND	ND	ND	ND
Trichloronate	.04	UG/L	ND	ND	ND	ND
Merphos	.09	UG/L	ND	ND	ND	ND
Dichlofenthion	.03	UG/L	ND	ND	ND	ND
Tokuthion	.06	UG/L	ND	ND	ND	ND
Stirophos	.03	UG/L	ND	ND	ND	ND
Bolstar	.07	UG/L	ND	ND	ND	ND
Fensulfothion	.07	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	.03	UG/L	ND	4.5	1.5	4.9

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

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

From 01-JAN-2005 To 31-DEC-2005
Sampling: AM
Analysis: CW,TB,KD

Analyte	MDL	Units	MBCDEWCN 31-MAY-2005 P301115	MBCDEWCN 31-OCT-2005 P319850
Demeton O	67	UG/KG	ND	ND
Demeton S	27	UG/KG	ND	ND
Diazinon		UG/KG	18.0	ND
Guthion	33	UG/KG	ND	ND
Malathion	20	UG/KG	ND	ND
Parathion	20	UG/KG	ND	ND
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	NA	NA
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	32.0	ND
Bolstar	50	UG/KG	ND	ND
Fensulfothion	100	UG/KG	NA	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	ND	ND
Chlorpyrifos		UG/KG	99.5	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	149.5	190.0

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANUUAL SLUDGE - Base/Neutrals
From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	MBCDEWCN 28-FEB-2005 P290401	MBCDEWCN 31-MAY-2005 P301115	MBCDEWCN 31-AUG-2005 P312471	MBCDEWCN 31-OCT-2005 P319850
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	4190	1200	1290	ND
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	1450	ND	498	ND
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	393	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	ND	ND	ND	ND
4-chlorophenyl phenyl ether	330	UG/KG	ND	ND	ND	ND
Diethyl phthalate	330	UG/KG	ND	ND	ND	ND
N-nitrosodiphenylamine	330	UG/KG	1880	ND	ND	ND
4-bromophenyl phenyl ether	330	UG/KG	ND	ND	ND	ND
Hexachlorobenzene	330	UG/KG	ND	ND	ND	ND
Phenanthrene	330	UG/KG	2790	ND	802	ND
Anthracene	330	UG/KG	ND	ND	ND	ND
Di-n-butyl phthalate	330	UG/KG	1670	ND	618	ND
N-nitrosodimethylamine	330	UG/KG	ND	ND	ND	ND
Fluoranthene	330	UG/KG	ND	ND	ND	ND
Pyrene	330	UG/KG	1720	ND	447	ND
Butyl benzyl phthalate	330	UG/KG	11200	ND	ND	ND
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	326000	87400	123000	71500
Di-n-octyl phthalate	330	UG/KG	41700	ND	<330	4890
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	4510	0	1249	0
Dichlorobenzenes	330	UG/KG	4190	1200	1290	0
Base/Neutral Compounds	330	UG/KG	392600	88600	127048	76390
Additional analytes determined;						
1-methylnaphthalene		UG/KG	3340	809	939	ND
2-methylnaphthalene		UG/KG	5070	1250	1470	ND
2,6-dimethylnaphthalene		UG/KG	5070	1490	1190	ND
2,3,5-trimethylnaphthalene		UG/KG	4700	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	ND
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-2005 to 31-DEC-2005

Analyte	MDL	Units	MBCDEWCN 28-FEB-2005 P290401	MBCDEWCN 31-MAY-2005 P301115	MBCDEWCN 31-AUG-2005 P312471	MBCDEWCN 31-OCT-2005 P319850	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	ND
2-methyl-4,6-dinitrophenol	800	UG/KG	ND	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	699000	152000	190000	187000	307000
Total Non-Chlorinated Phenols	800	UG/KG	725000	159310	201700	196840	320713
Total Chlorinated Phenols	800	UG/KG	0	0	0	0	0
Phenols	800	UG/KG	725000	159310	201700	196840	320713
Phenols average	800	UG/KG	63545	13818	17273	17000	27909
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	26000	7310	11700	9840	13713
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 SLUDGE Purgeables

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	MBCDEWCN 31-JAN-2005 P287546	MBCDEWCN 28-FEB-2005 P290401	MBCDEWCN 31-MAR-2005 P293551	MBCDEWCN 30-APR-2005 P297203	MBCDEWCN 31-MAY-2005 P301115	MBCDEWCN 30-JUN-2005 P304500
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	44	65	42	87	80	84
Acetone	185	UG/KG	7630	2990	3900	3010	9470	5380
Methylene chloride	62.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	<25	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
2-butanone		UG/KG	80300 *	4920	2630	1210	4970	4730
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	<16	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	<25	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	27	ND	ND
Toluene	48	UG/KG	ND	<48	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	33	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	21.5	UG/KG	ND	<22	ND	<22	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	31.1	UG/KG	ND	ND	ND	<31	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	32	ND	20	413	ND
1,4-dichlorobenzene		UG/KG	301	279	203	354	401	494
1,2-dichlorobenzene	28.7	UG/KG	ND	39	ND	<29	ND	35
Purgeable Compounds	275	UG/KG	7674	7975	6572	4367	14520	10194
Additional analytes determined;								
Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	31	22	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	869	870	793	799	969	915
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	ND	53	ND	59	41	54
ortho-xylene	23	UG/KG	ND	<23	ND	27	ND	28
Isopropylbenzene	17	UG/KG	ND	49	ND	20	ND	ND
Styrene	19	UG/KG	ND	<19	ND	<19	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	46	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	72	ND	35	ND	ND

* 2-BUTANONE did not meet quality control criteria for control check and spike recovery sample.

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	MBCDEWCN 31-JUL-2005 P308785	MBCDEWCN 31-AUG-2005 P312471	MBCDEWCN 30-SEP-2005 P315926	MBCDEWCN 31-OCT-2005 P319850	MBCDEWCN 30-NOV-2005 P323080	MBCDEWCN 31-DEC-2005 P326461
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	103	61	83	78	72	110
Acetone	185	UG/KG	13800	3195 *	4130 **	8970	4880	6670
Methylene chloride	62.5	UG/KG	67	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	12300	2980	1820	4930	2890	3210
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	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	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	ND	ND	ND	ND	ND
1,4-dichlorobenzene		UG/KG	396	308	342	386	328	251
1,2-dichlorobenzene	28.7	UG/KG	ND	ND	ND	ND	ND	ND
Purgeable Compounds	275	UG/KG	26270	3041	1903	13978	7842	9990
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	880	839	905	1030	810	769
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	<35	ND	42	38	ND	<35
ortho-xylene	23	UG/KG	<23	ND	ND	ND	ND	ND
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Styrene	19	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	<17	ND	ND	ND	73

* Blank contamination of acetone found in the amount of 318 ug/kg.
** Blank contamination of acetone found in the amount of 217 ug/kg and acetone spike recovery <10%, did not meet QC criteria.

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables

From 01-JAN-2005 to 31-DEC-2005

Analyte	MDL	Units	Average
Chloromethane	25.8	UG/KG	ND
Vinyl chloride	26.2	UG/KG	ND
Bromomethane	29.2	UG/KG	ND
Chloroethane	61	UG/KG	ND
Trichlorofluoromethane	28	UG/KG	ND
1,1-dichloroethene	25.1	UG/KG	ND
Carbon disulfide	34	UG/KG	76
Acetone	185	UG/KG	6670
Methylene chloride	62.5	UG/KG	6
trans-1,2-dichloroethene	24.9	UG/KG	0
1,1-dichloroethane	25.7	UG/KG	ND
2-butanone		UG/KG	4235
Chloroform	25.6	UG/KG	ND
1,1,1-trichloroethane	27.4	UG/KG	ND
Carbon tetrachloride	15.6	UG/KG	0
Benzene	26.5	UG/KG	ND
1,2-dichloroethane	20.5	UG/KG	ND
Trichloroethene	25.3	UG/KG	0
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	2
Toluene	48	UG/KG	0
trans-1,3-dichloropropene	17	UG/KG	3
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	0
Ethylbenzene	90.5	UG/KG	ND
Bromoform	26.1	UG/KG	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND
1,3-dichlorobenzene	16.1	UG/KG	39
1,4-dichlorobenzene		UG/KG	337
1,2-dichlorobenzene	28.7	UG/KG	6
Purgeable Compounds	275	UG/KG	9527

Additional analytes determined;

Acrolein	70.9	UG/KG	ND
Methyl Iodide	19	UG/KG	4
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	871
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	24
ortho-xylene	23	UG/KG	5
Isopropylbenzene	17	UG/KG	6
Styrene	19	UG/KG	0
Benzyl chloride	38	UG/KG	4
1,2,4-trichlorobenzene	17	UG/KG	15

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

POINT LOMA WASTEWATER TREATMENT PLANT
QUARTERLY SLUDGE - Dioxins analysis

From 01-JAN-2005to 31-DEC-2005

Analyte	MDL	Units	MBCDEWCN 31-MAY-2005 P301115	MBCDEWCN 31-OCT-2005 P319850
2,3,7,8-tetra CDD	2.9	NG/KG	ND	ND
1,2,3,7,8-penta CDD	8.9	NG/KG	ND	ND
1,2,3,4,7,8_hexa_CDD	8.6	NG/KG	ND	ND
1,2,3,6,7,8-hexa CDD		NG/KG	39	22
1,2,3,7,8,9-hexa CDD		NG/KG	E12	12
1,2,3,4,6,7,8-hepta CDD		NG/KG	320	330
octa CDD		NG/KG	1900	1850
2,3,7,8-tetra CDF		NG/KG	4	5
1,2,3,7,8-penta CDF	3.3	NG/KG	ND	ND
2,3,4,7,8-penta CDF	3.4	NG/KG	ND	ND
1,2,3,4,7,8-hexa CDF	7.7	NG/KG	ND	ND
1,2,3,6,7,8-hexa CDF	6.7	NG/KG	ND	ND
1,2,3,7,8,9-hexa CDF	10	NG/KG	ND	ND
2,3,4,6,7,8-hexa CDF	8.5	NG/KG	ND	ND
1,2,3,4,6,7,8-hepta CDF		NG/KG	E63	55
1,2,3,4,7,8,9-hepta CDF	24	NG/KG	ND	ND
octa CDF		NG/KG	220	215

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

G. 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-05 P287546	MBCDEWCN Feb-05 P290401	MBCDEWCN Mar-05 P293551	MBCDEWCN Apr-05 P297203	MBCDEWCN May-05 P301115	MBCDEWCN Jun-05 P304500	MBCDEWCN Jul-05 P308785	MBCDEWCN Aug-05 P312471	MBCDEWCN Sep-05 P315926	MBCDEWCN Oct-05 P319850	MBCDEWCN Nov-05 P323080	MBCDEWCN Dec-05 P326461
ANTIMONY	500	0.35	0.61	0.58	0.64	0.47	1.31	0.54	0.61	0.52	0.59	1.42	1.27
ARSENIC	500	3.0	2.3	3.0	1.8	1.2	2.1	0.9	1.1	1.0	1.2	1.1	1.2
BARIUM	10000	158	167	158	128	137	267	97	156	85	92	141	156
BERYLLIUM	75	0.0	0.0	0.1	0.0	0.0	< 0.0	< 0.0	< 0.0	< 0.0	< 0.0	0.1	< 0.0
CADMIUM	100	0.5	0.5	0.6	0.5	0.5	1.2	0.6	0.6	0.5	0.6	0.7	0.6
CHROMIUM(VI)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM(total)	2500	15	16	17	15	12	25	12	11	10	11	10	11
COBALT	8000	0.8	0.8	1.0	0.7	0.5	1.3	0.9	0.6	0.7	0.7	0.5	0.7
COPPER	2500	176	185	170	175	153	369	160	178	164	162	188	189
LEAD	1000	8	8	10	6	6	13	7	6	6	7	7	7
MERCURY	20	0.44	0.58	0.52	0.50	0.50	0.88	0.38	0.34	0.34	0.38	0.38	0.43
MOLYBDENUM	3500	4.8	4.7	4.9	4.3	4.1	9.3	6.2	5.8	5.4	5.5	5.3	5.2
NICKEL	2000	9	9	10	9	7	16	8	8	8	9	96	9
SELENIUM	100	1.6	1.5	1.4	1.4	1.4	2.7	1.4	1.5	1.4	1.2	1.5	1.3
SILVER	500	5	6	5	5	4	10	6	4	5	6	6	2
THALLIUM	700	0.00	< 0.23	< 0.23	< 0.23	< 0.22	< 0.42	< 0.21	< 0.21	< 0.21	< 0.21	< 0.22	< 0.23
VANADIUM	2400	16	16	17	11	10	34	39	50	57	52	51	48
ZINC	5000	230	227	222	204	251	531	222	215	230	247	290	253
FLUORIDE	18000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SULFIDES-REACTIVE	NA	< 3	4	< 3	5	8	27	13	5	< 3	8	2	9
SULFIDES-TOTAL	NA	2443	3121	1434	3057	3529	12280	6106	4562	6839	5823	5377	4901
TOTAL SOLIDS (%)		31.4	30.5	30.4	29.3	27.9	54.7	27.2	27.7	27.3	27.4	28.2	29.7

DRY WEIGHT Concentration

ANALYTE	TTLC Wet wt mg/Kg	MBCDEWCN Jan-05 P287546	MBCDEWCN Feb-05 P290401	MBCDEWCN Mar-05 P293551	MBCDEWCN Apr-05 P297203	MBCDEWCN May-05 P301115	MBCDEWCN Jun-05 P304500	MBCDEWCN Jul-05 P308785	MBCDEWCN Aug-05 P312471	MBCDEWCN Sep-05 P315926	MBCDEWCN Oct-05 P319850	MBCDEWCN Nov-05 P323080	MBCDEWCN Dec-05 P326461
ANTIMONY	500	1.1	2.0	1.9	2.2	1.7	2.4	2.0	2.2	1.9	2.2	5.1	4.3
ARSENIC	500	9.4	7.5	9.9	6.0	4.3	3.8	3.3	3.9	3.6	4.2	4.0	4.2
BARIUM	10000	504	550	522	439	491	488	358	564	312	337	501	525
BERYLLIUM	75	0.1	0.1	0.2	0.1	0.1	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	0.2	< 0.004
CADMIUM	100	1.5	1.6	1.8	1.8	1.8	2.2	2.2	2.1	1.9	2.3	2.5	2.0
CHROMIUM(VI)	500	NA	NA	N A	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM(total)	2500	47.2	51.4	56.9	51.6	41.4	45.3	43.1	38.4	37.1	40.9	37.3	35.7
COBALT	8000	2.6	2.8	3.16	2.3	1.8	2.4	3.4	2.2	2.7	2.5	2.0	2.3
COPPER	2500	560	609	560	598	548	675	588	645	600	591	669	638
LEAD	1000	26.3	25.1	32.6	21.6	21.4	22.9	25.9	21.2	23.4	24.9	25.4	24.4
MERCURY	20	1.4	1.9	1.7	1.7	1.8	1.6	1.4	1.2	1.3	1.4	1.3	1.5
MOLYBDENUM	3500	15.4	15.5	16	14.8	14.8	17	22.9	21.1	19.7	20.1	19	17.4
NICKEL	2000	28.1	29.4	32.8	31	26.2	28.6	30.9	27.4	28.9	31.6	341.7	29.9
SELENIUM	100	5.0	5.0	4.7	4.7	5.2	5.0	5.0	5.4	5.3	4.5	5.3	4.2
SILVER	500	16.4	18.1	17.3	17.4	16	17.6	20.4	14.9	18.6	22	20.7	7.6
THALLIUM	700		< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771
VANADIUM	2400	51.5	51.5	57.2	39.1	34.7	61.4	143	179.5	210.5	188.5	181.5	162.5
ZINC	5000	734	745	733	698	898	971	815	777	843	901	1030	853
FLUORIDE	18000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SULFIDES-REACTIVE	NA	< 11	14.6	< 11	19	26.9	49	49	19	< 11	30	7.1	30
SULFIDES-TOTAL	NA	7780	10250	4725	10450	12650	22450	22450	16500	25050	21250	19100	16500

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)

	TTLC	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
	Wet wt	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05
ANALYTE	mg/Kg	P287546	P290401	P293551	P297203	P301115	P304500	P308785	P312471	P315926	P319850	P323080	P326461
ALDRIN	1.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLORDANE	2.5	0	0	0	0.017	0.020	0.017	0.007	0.012	nd	nd	nd	nd
DDT,DDE,DDD	1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
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	NA	NA	NA	NA	NA	NA
LINDANE	4	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.006	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	nd	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 (%)		31.4	30.5	30.4	29.3	27.9	54.7	27.2	27.7	27.3	27.4	28.2	29.7
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

	TTLC	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
	Wet wt	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05
ANALYTE	mg/Kg	P287546	P290401	P293551	P297203	P301115	P304500	P308785	P312471	P315926	P319850	P323080	P326461
ALDRIN	1.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLORDANE	2.5	0.025	0.025	0.036	0.059	0.070	0.031	0.025	0.045	nd	nd	nd	nd
DDT,DDE,DDD	1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
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	NA	NA	NA	NA	NA	NA
LINDANE	4	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.021	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	nd	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-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05
ANALYTE	mg/L	P287546	P290401	P293551	P297203	P301115	P304500	P308785	P312471	P315926	P319850	P323080	P326461
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-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05	Oct-05	Nov-05	Dec-05
ANALYTE	mg/L	P287546	P290401	P293551	P297203	P301115	P304500	P308785	P312471	P315926	P319850	P323080	P326461
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	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

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