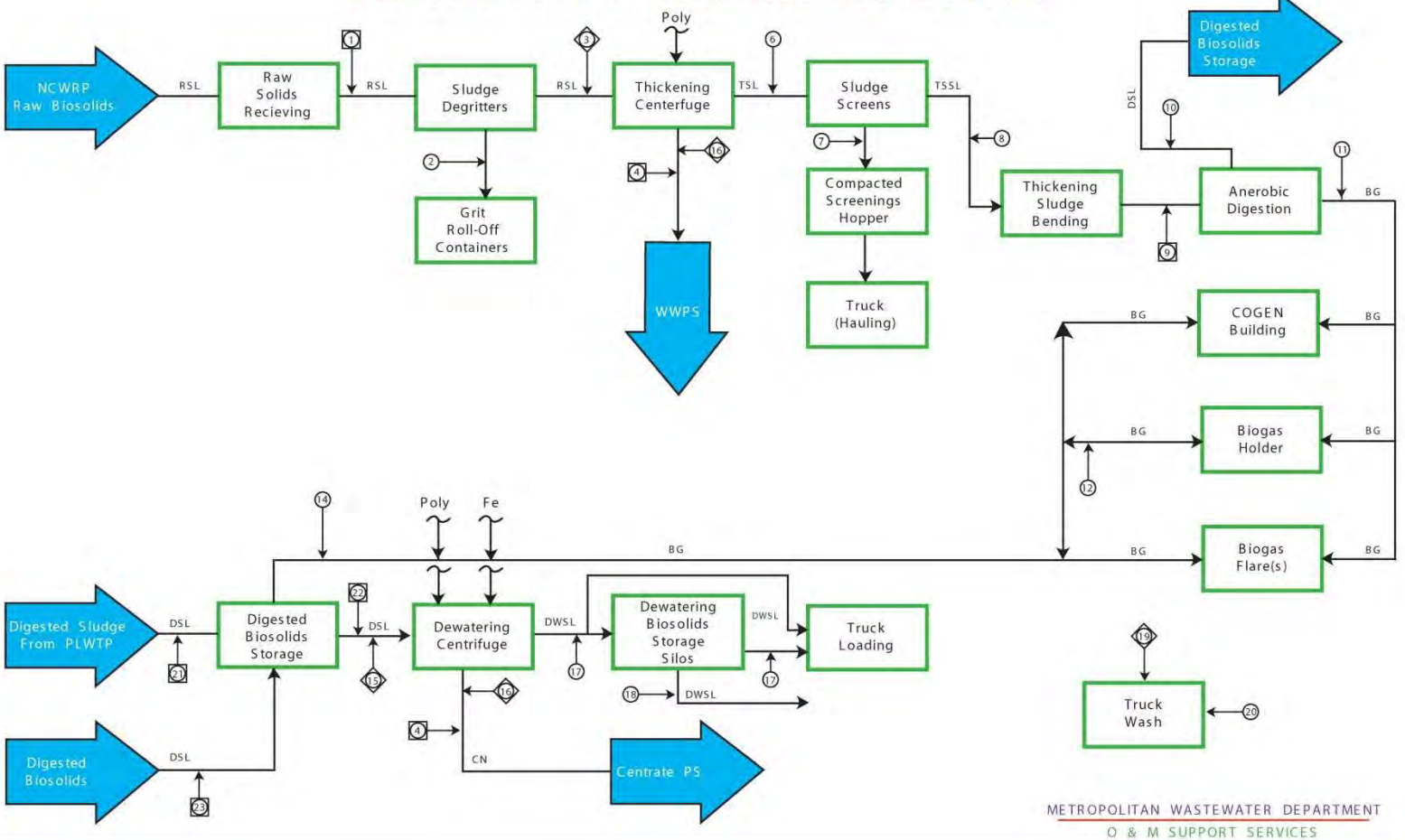
IV. Metro Biosolids Center (MBC) Data

A. MBC Diagrams
B. Return Stream Data Summary
C. Digester and Digested Sludge Data Summary
D. Gas Production
E. Chemical Usage
F. Graphs of Chemical Usage
G. Solids Handling Annual Report
H. Results of "Title 22" Sludge Hazardous Waste Tests

A. MBC Diagrams

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

LOCATION	DESCRIPTION
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,
11	Volatile Acids
12	Biogas from Digestion: Methane (CH_4), Carbon Dioxide (CO_2), Hydrogen Sulfide (H_2S)
13	Biogas to Biogas Holder: Methane (CH_4), Carbon Dioxide (CO_2), H_2S
14	Biogas from Digestion: Methane (CH_4), Carbon Dioxide (CO_2)
15	Dewatering Centrifuge Feed Loop (76 DE 2502): Total Solids

LOCATION	DESCRIPTION
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, Colliform
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: 02/13/04

B. Return Stream Data Summary

This section presents the results of analyses of the Metro Biosolids Center (MBC) return stream (MBC_COMBCN) for 2010. This return stream is continuously sampled by a flow proportioned, autosampler connected to the return stream lines at MBC. Each 24-hour11 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 graphs of the monthly averages of select parameters. Tables of daily values for select parameters (such as TSS, Flow, etc.) along with graphs are also provided.

11 approximately midnight to midnight each day.

Metro Biosolids Center

Sludge Project – Annual Summary

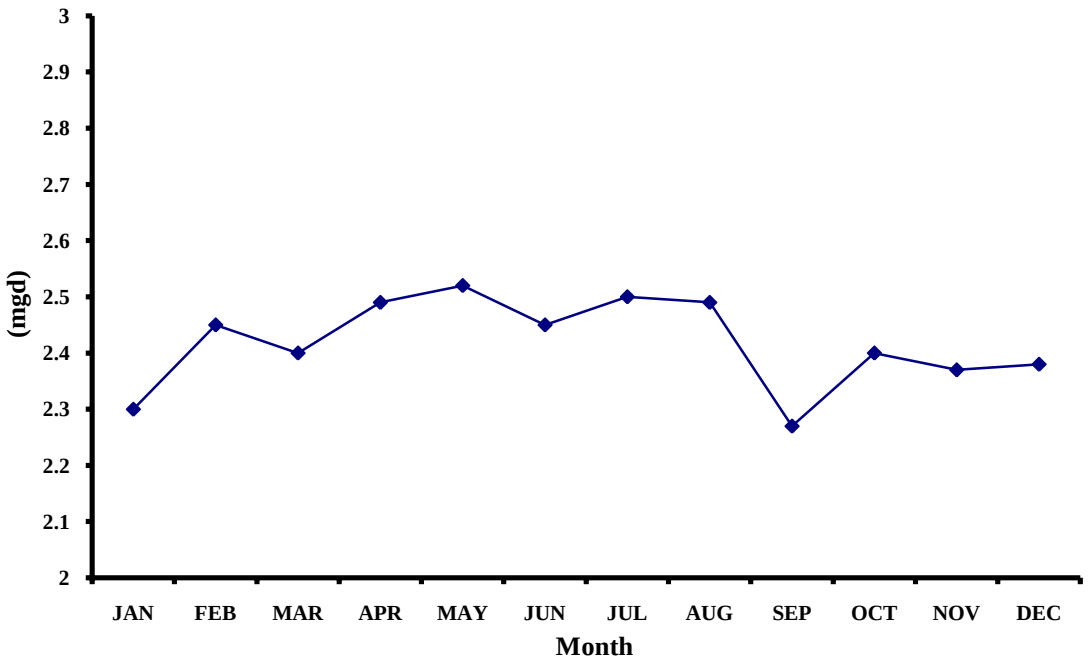
Combined Sludge Centrate

From 01-JAN-2010 to 31-DEC-2010

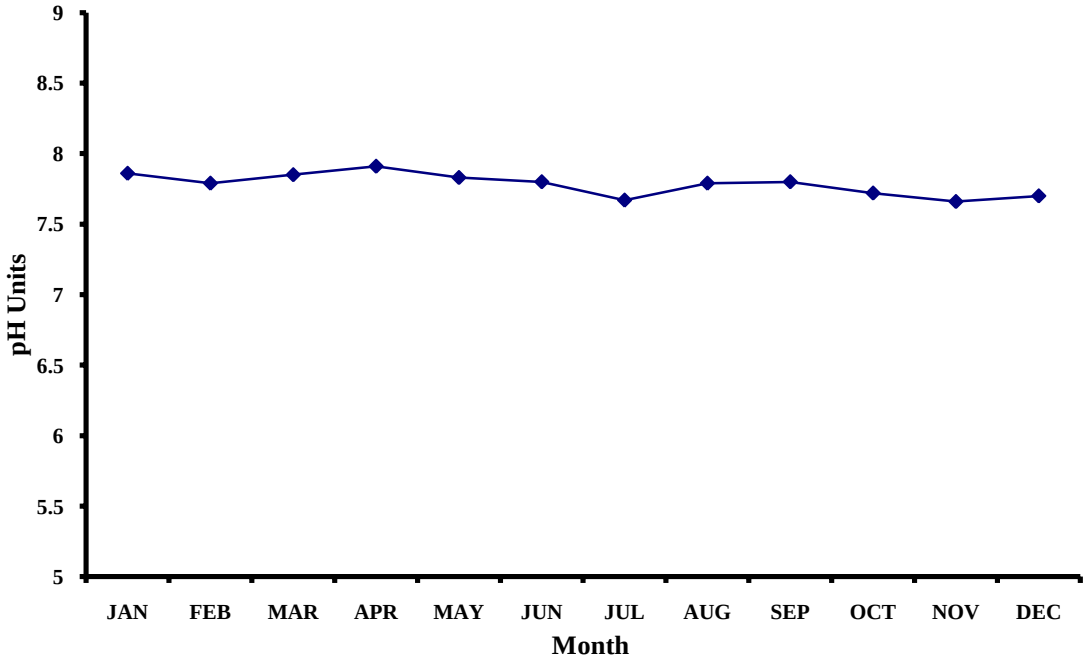
	FLOW	PH	BOD	TSS	VSS	TS	TVS	TSS Mass Emmissions
	MGD	pH Units	mg/L	mg/L	mg/L	Wt%	Wt%	(lbs/Day)
JANUARY -2010	2.30	7.86	270	677	483	0.33	42	12986
FEBRUARY -2010	2.45	7.79	<338	703	494	0.32	42	14364
MARCH -2010	2.40	7.85	>266	704	525	0.31	43	14091
APRIL -2010	2.49	7.91	256	702	518	0.33	44	14578
MAY -2010	2.52	7.83	340	765	568	0.35	47	16078
JUNE -2010	2.45	7.80	398	1190	895	0.42	50	24315
JULY -2010	2.50	7.67	278	680	516	0.39	51	14178
AUGUST -2010	2.49	7.79	195	538	398	0.38	49	11172
SEPTEMBER-2010	2.27	7.80	228	566	409	0.39	52	10715
OCTOBER -2010	2.40	7.72	<243	724	502	0.36	46	14492
NOVEMBER -2010	2.37	7.66	294	625	456	0.29	44	12354
DECEMBER -2010	2.38	7.70	259	615	431	0.31	45	12207
Average	2.42	7.78	280	707	516	0.35	46	14294

'Average' = Annual average of Monthly Averages.

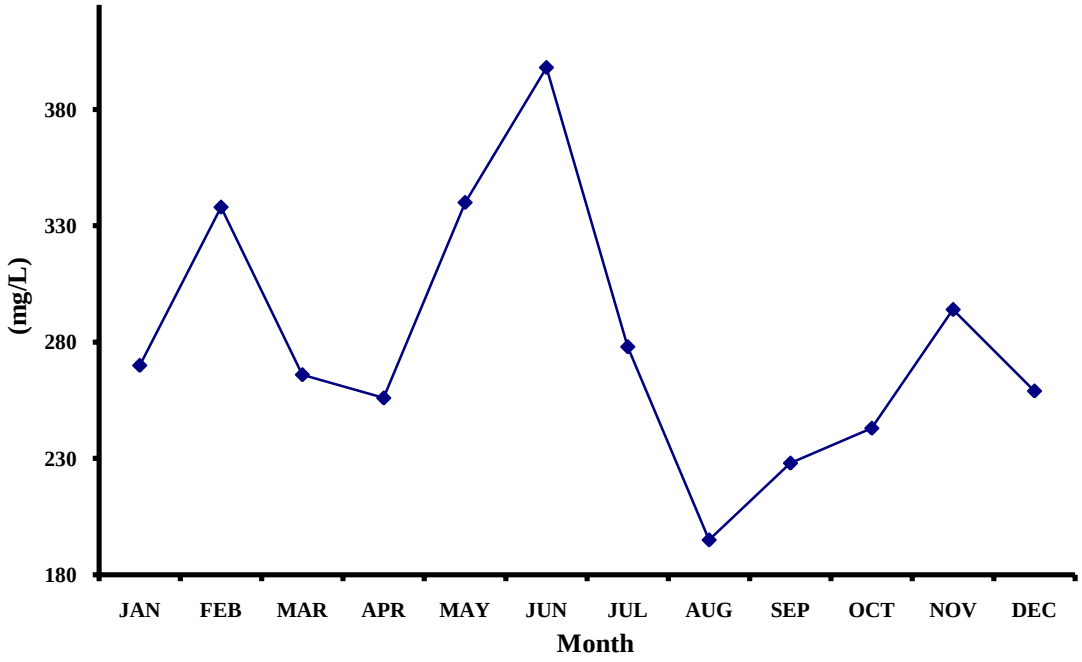
MBC Combined Centrate
2010 Monthly Averages - Flow (mgd)



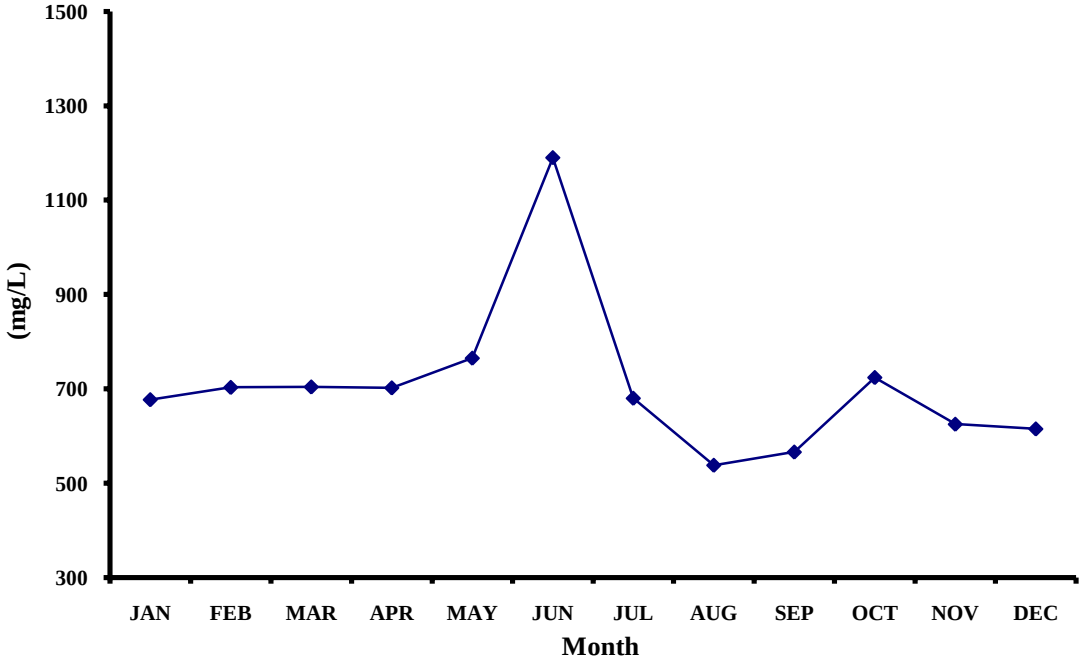
MBC Combined Centrate
2010 Monthly Averages - pH



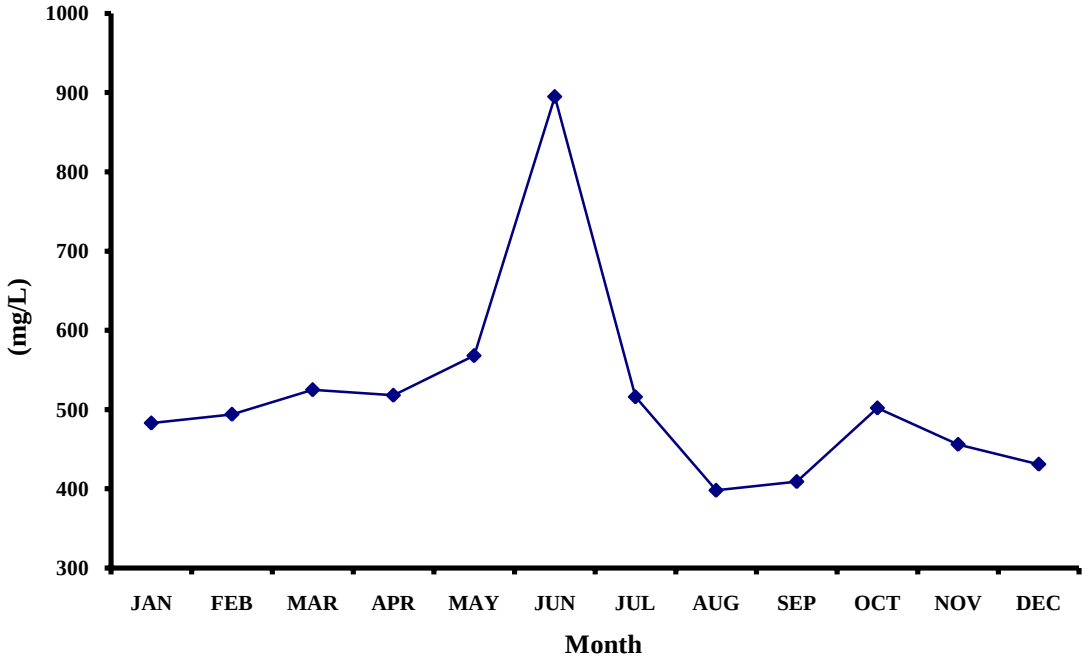
MBC Combined Centrate
2010 Monthly Averages - BOD (mg/L)



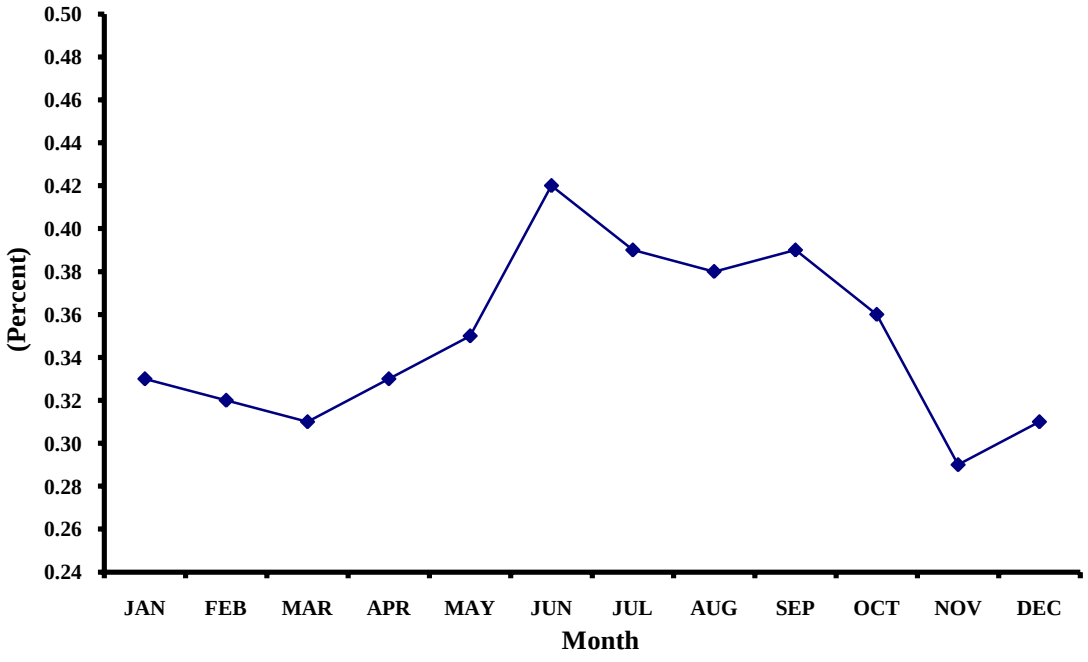
MBC Combined Centrate
2010 Monthly Averages - TSS (mg/L)



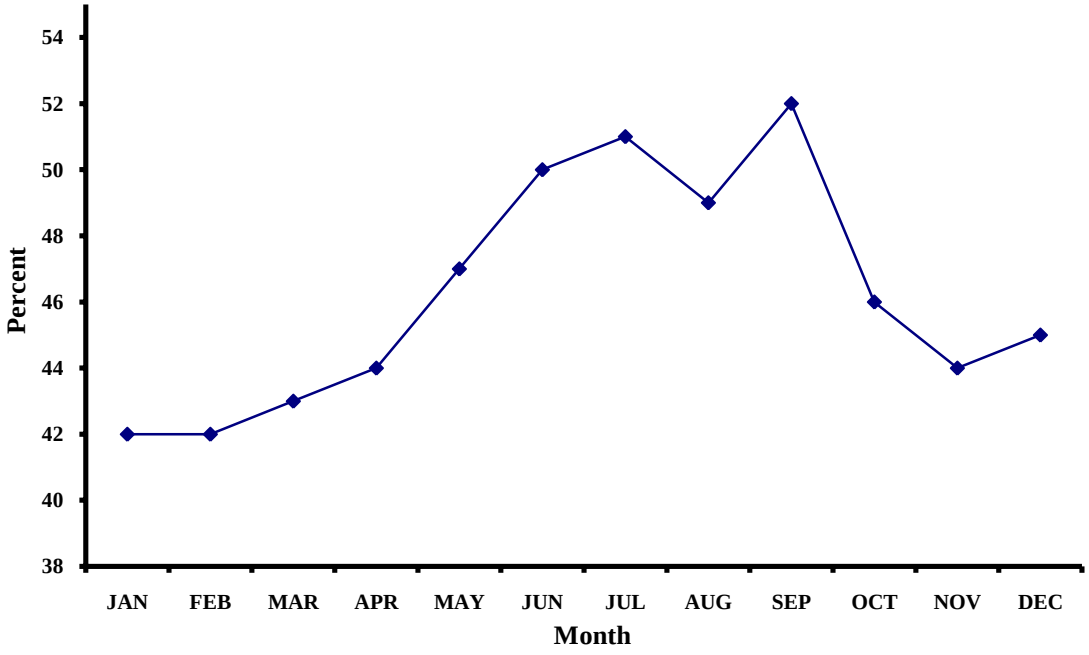
MBC Combined Centrate
2010 Monthly Averages - VSS (mg/L)



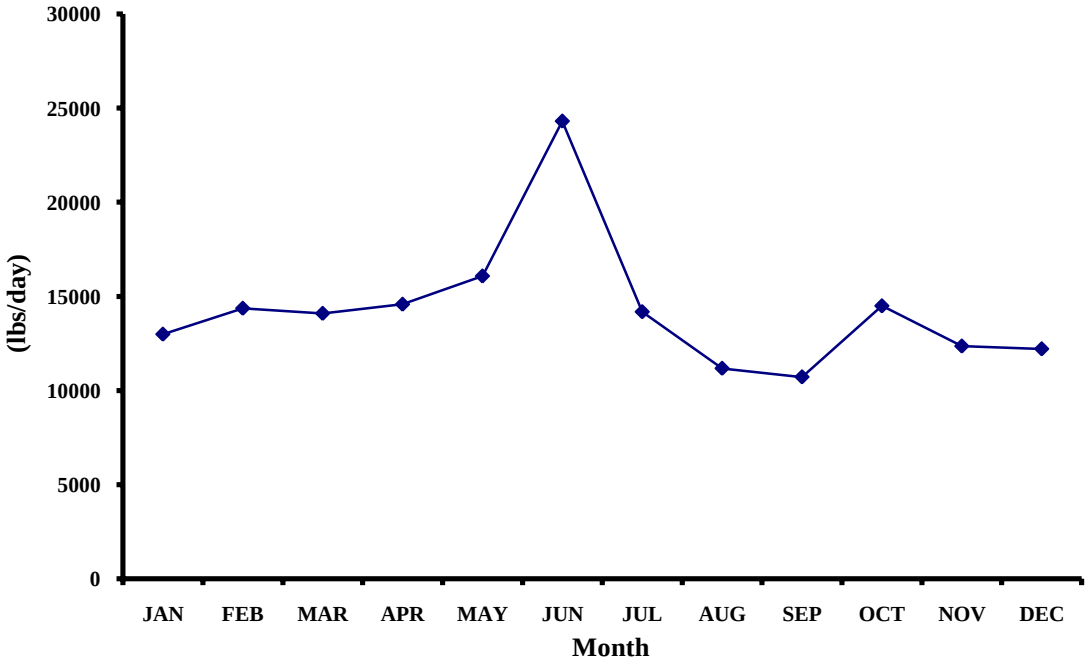
MBC Combined Centrate
2010 Monthly Averages - Percent TS



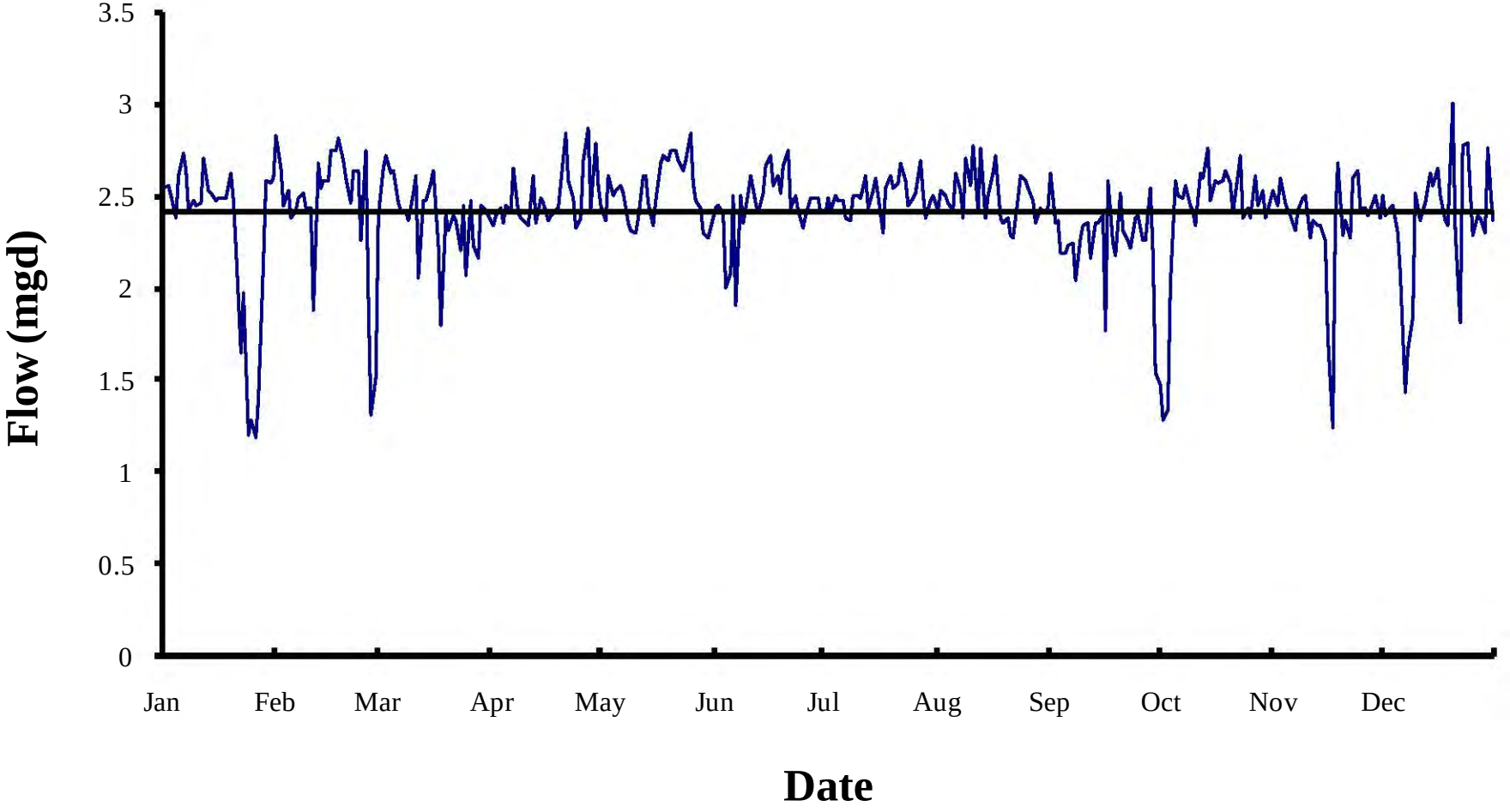
MBC Combined Centrate
2010 Monthly Averages - Percent TVS



MBC Combined Centrate
2010 Monthly Averages - TSS Mass Emission (lbs/day)



2010 MBC Return Stream Flow (mgd)



Metro Biosolids Center

2010 MBC Return Stream Daily Flows (mgd)

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.538	2.828	2.391	2.339	2.444	2.429	2.402	2.415	2.627	1.475	2.524	2.505
2	2.557	2.653	2.656	2.388	2.361	2.444	2.490	2.527	2.358	1.289	2.445	2.392
3	2.508	2.449	2.717	2.429	2.612	2.408	2.420	2.505	2.364	1.333	2.602	2.441
4	2.374	2.529	2.630	2.354	2.497	1.999	2.509	2.467	2.192	2.032	2.464	2.449
5	2.607	2.375	2.636	2.447	2.531	2.083	2.475	2.427	2.186	2.584	2.416	2.305
6	2.735	2.421	2.468	2.426	2.560	2.502	2.482	2.621	2.231	2.503	2.400	2.080
7	2.634	2.487	2.428	2.655	2.517	1.904	2.386	2.530	2.246	2.492	2.307	1.429
8	2.415	2.514	2.421	2.407	2.358	2.501	2.372	2.378	2.045	2.554	2.418	1.664
9	2.481	2.436	2.363	2.386	2.310	2.358	2.507	2.710	2.271	2.444	2.495	1.843
10	2.446	2.441	2.520	2.350	2.301	2.520	2.501	2.555	2.346	2.418	2.507	2.521
11	2.466	1.873	2.613	2.347	2.383	2.614	2.489	2.778	2.355	2.342	2.267	2.362
12	2.701	2.682	2.049	2.609	2.613	2.458	2.614	2.421	2.165	2.623	2.363	2.424
13	2.527	2.537	2.482	2.356	2.611	2.404	2.435	2.764	2.348	2.601	2.339	2.457
14	2.522	2.581	2.482	2.488	2.465	2.522	2.531	2.383	2.350	2.764	2.339	2.619
15	2.481	2.586	2.571	2.461	2.342	2.660	2.596	2.507	2.397	2.472	2.254	2.563
16	2.484	2.745	2.636	2.373	2.475	2.726	2.497	2.625	1.772	2.591	1.728	2.655
17	2.493	2.744	2.230	2.397	2.680	2.555	2.305	2.718	2.587	2.570	1.242	2.497
18	2.492	2.810	1.798	2.412	2.726	2.615	2.540	2.380	2.249	2.585	2.376	2.361
19	2.623	2.694	2.397	2.438	2.692	2.518	2.617	2.356	2.183	2.644	2.679	2.338
20	2.472	2.601	2.317	2.570	2.743	2.663	2.539	2.378	2.510	2.565	2.290	3.005
21	2.221	2.457	2.393	2.840	2.746	2.750	2.567	2.289	2.315	2.414	2.371	2.312
22	1.647	2.638	2.367	2.585	2.694	2.440	2.677	2.266	2.258	2.607	2.269	1.816
23	1.978	2.635	2.198	2.486	2.642	2.503	2.580	2.484	2.214	2.722	2.599	2.772
24	1.199	2.260	2.444	2.325	2.694	2.425	2.445	2.606	2.384	2.380	2.636	2.781
25	1.280	2.740	2.071	2.381	2.836	2.327	2.489	2.579	2.394	2.440	2.430	2.526
26	1.187	1.928	2.479	2.693	2.565	2.395	2.523	2.545	2.262	2.378	2.440	2.285
27	1.399	1.307	2.230	2.863	2.477	2.488	2.695	2.480	2.265	2.618	2.400	2.399
28	2.144	1.515	2.161	2.440	2.439	2.489	2.523	2.353	2.545	2.452	2.458	2.385
29	2.583		2.451	2.787	2.302	2.494	2.384	2.429	2.187	2.529	2.507	2.304
30	2.569		2.422	2.558	2.266	2.412	2.481	2.412	1.545	2.377	2.387	2.766
31	2.600		2.392		2.330		2.501	2.437		2.469		2.369
Avg	2.302	2.445	2.400	2.486	2.523	2.454	2.502	2.494	2.272	2.396	2.365	2.375
Min	1.187	1.307	1.798	2.325	2.266	1.904	2.305	2.266	1.545	1.289	1.242	1.429
Max	2.735	2.828	2.717	2.863	2.836	2.750	2.695	2.778	2.627	2.764	2.679	3.005

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

From: 01-JAN-2010 to: 31-DEC-2010

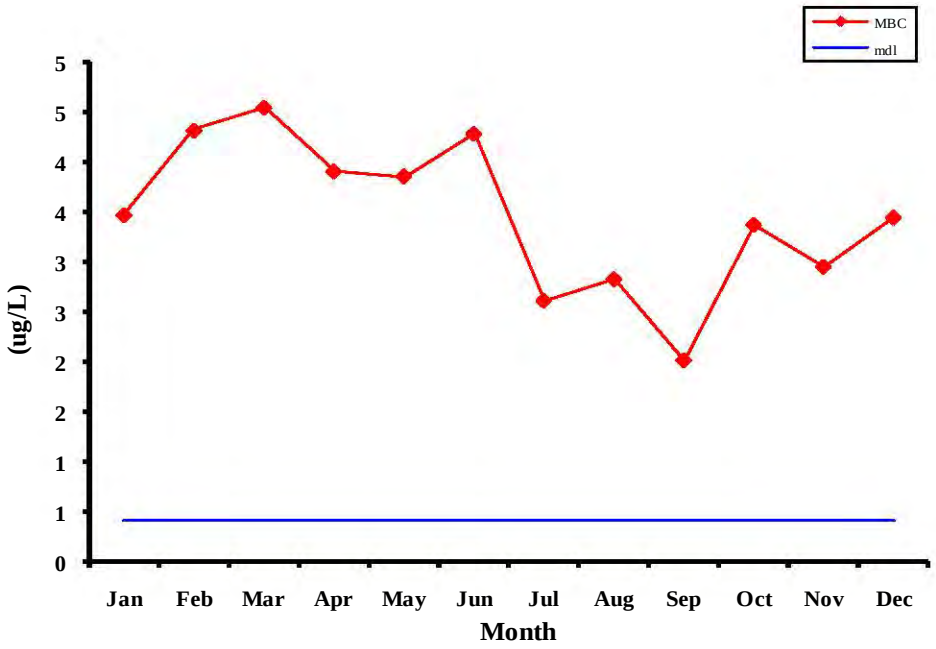
Source:			MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:			31-JAN-2010	28-FEB-2010	31-MAR-2010	30-APR-2010	31-MAY-2010	30-JUN-2010
Sample ID:			P506298ts	P510361	P513378	P517194	P520668	P523954
Aluminum	47	UG/L	1860	2260	2040	2300	2340	4540
Antimony	2.9	UG/L	4.0	3.5	ND	ND	ND	ND
Arsenic	.4	UG/L	3.5	4.3	4.6	3.9	3.9	4.3
Barium	.039	UG/L	225	246	220	251	233	358
Beryllium	.022	UG/L	0.16	0.11	0.11	0.09	0.12	0.11
Cadmium	.53	UG/L	0.6	0.6	ND	ND	ND	0.7
Chromium	1.2	UG/L	17	23	20	22	26	47
Cobalt	.85	UG/L	4.1	4.6	5.0	5.0	5.4	6.0
Copper	2	UG/L	251	279	197	270	272	478
Iron	37	UG/L	44300	47400	43800	42800	40000	76500
Lead	2	UG/L	8	9	7	9	8	14
Manganese	.24	UG/L	381	403	312	311	381	502
Mercury	.09	UG/L	0.33	0.35	0.23	0.22	0.31	0.53
Molybdenum	.89	UG/L	11.2	10.3	9.0	9.4	9.2	17.4
Nickel	.53	UG/L	36	45	42	36	41	62
Selenium	.28	UG/L	3.52	4.06	3.52	3.95	3.81	5.37
Silver	.4	UG/L	<0	2	2	2	2	4
Thallium	3.9	UG/L	ND	ND	ND	ND	ND	ND
Vanadium	.64	UG/L	5.2	7.9	6.7	8.7	8.0	13.5
Zinc	2.5	UG/L	274	332	295	327	356	617

Source:			MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:			31-JUL-2010	31-AUG-2010	30-SEP-2010	31-OCT-2010	30-NOV-2010	31-DEC-2010
Sample ID:			P528410ts	P532028	P536068	P540243	P543489	P547249
Aluminum	47	UG/L	2010	1400	1540	2080	1700	1330
Antimony	2.9	UG/L	ND	ND	ND	ND	ND	ND
Arsenic	.4	UG/L	2.6	2.8	2.0	3.4	3.0	3.5
Barium	.039	UG/L	196	169	162	205	179	177
Beryllium	.022	UG/L	0.03	0.03	0.04	0.04	0.05	ND
Cadmium	.53	UG/L	ND	ND	ND	ND	ND	ND
Chromium	1.2	UG/L	17	14	14	20	12	11
Cobalt	.85	UG/L	4.5	3.6	3.8	4.4	3.3	3.9
Copper	2	UG/L	215	164	187	262	186	176
Iron	37	UG/L	41200	37600	40600	57400	47700	43800
Lead	2	UG/L	7	6	5	7	5	6
Manganese	.24	UG/L	459	477	524	551	606	490
Mercury	.09	UG/L	0.32	0.13	0.21	0.26	0.17	0.18
Molybdenum	.89	UG/L	7.9	7.0	8.6	11.0	8.0	7.6
Nickel	.53	UG/L	32	28	34	37	27	27
Selenium	.28	UG/L	3.66	2.67	2.97	2.45	2.84	3.21
Silver	.4	UG/L	1	ND	ND	1	1	1
Thallium	3.9	UG/L	4	ND	ND	ND	ND	ND
Vanadium	.64	UG/L	4.8	3.8	3.1	4.9	3.5	4.0
Zinc	2.5	UG/L	266	196	214	299	215	204

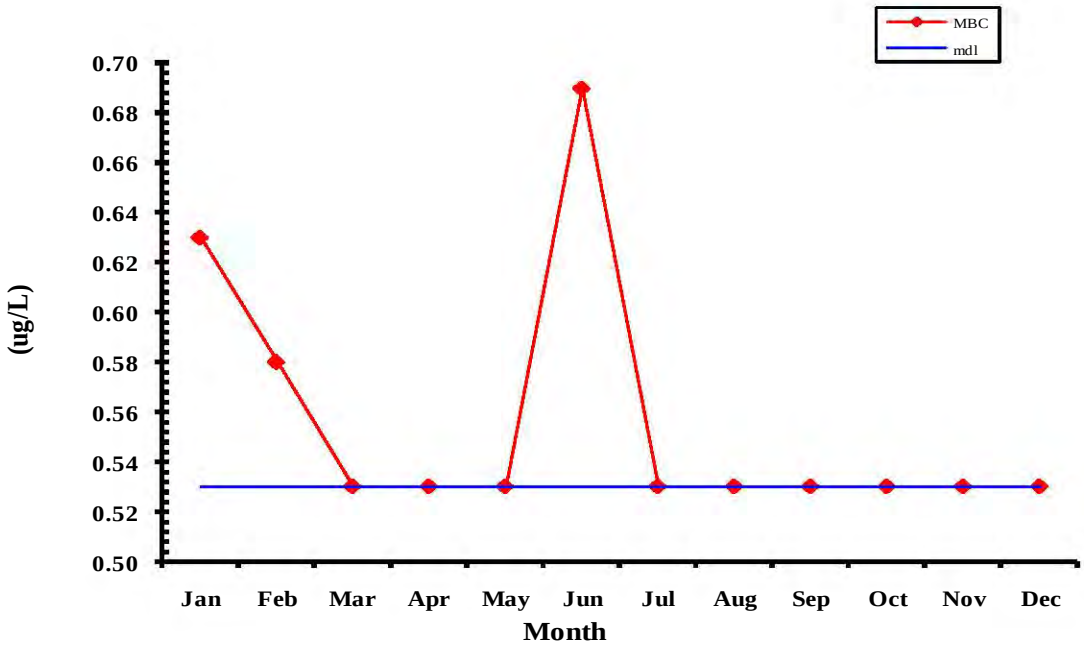
ND= Not Detected
NA= Not Analyzed
NS= Not Sampled
NR= Not Required

MBC_COMBCN= Metro Biosolids Center Combined Sludge Centrate.

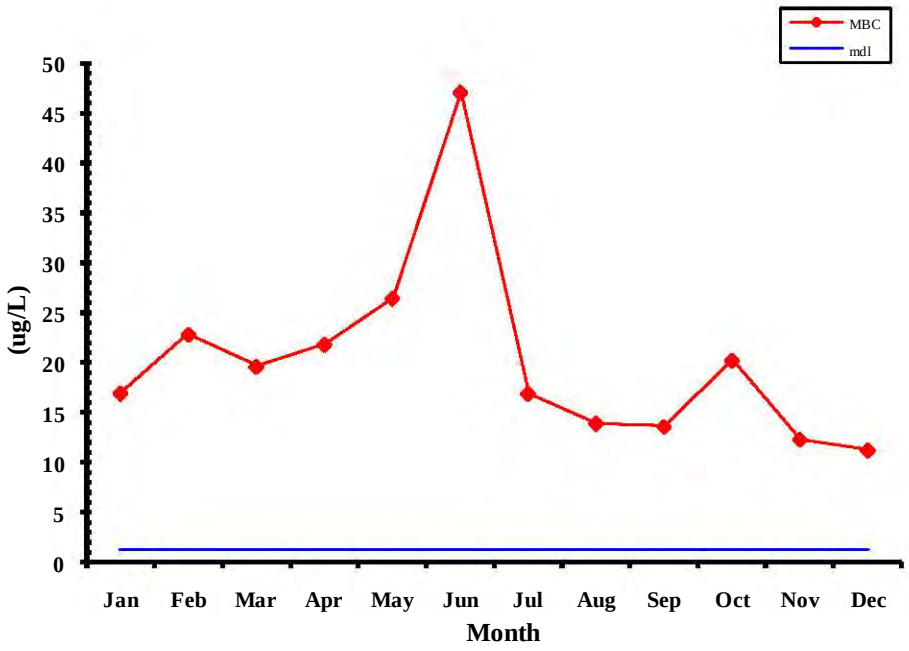
MBC_COMBCN
Arsenic
2010 Monthly Averages



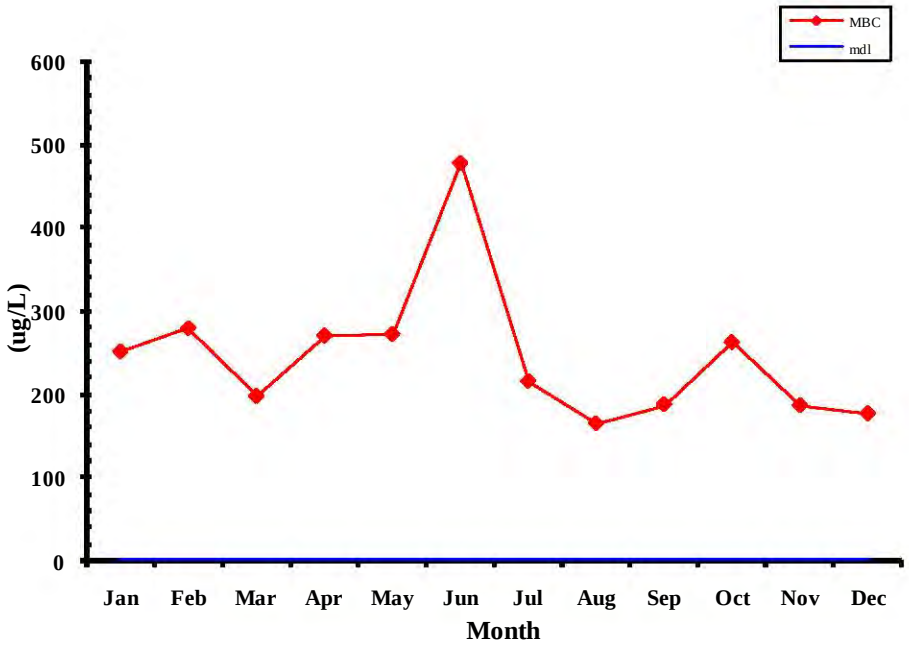
MBC_COMBCN
Cadmium
2010 Monthly Averages



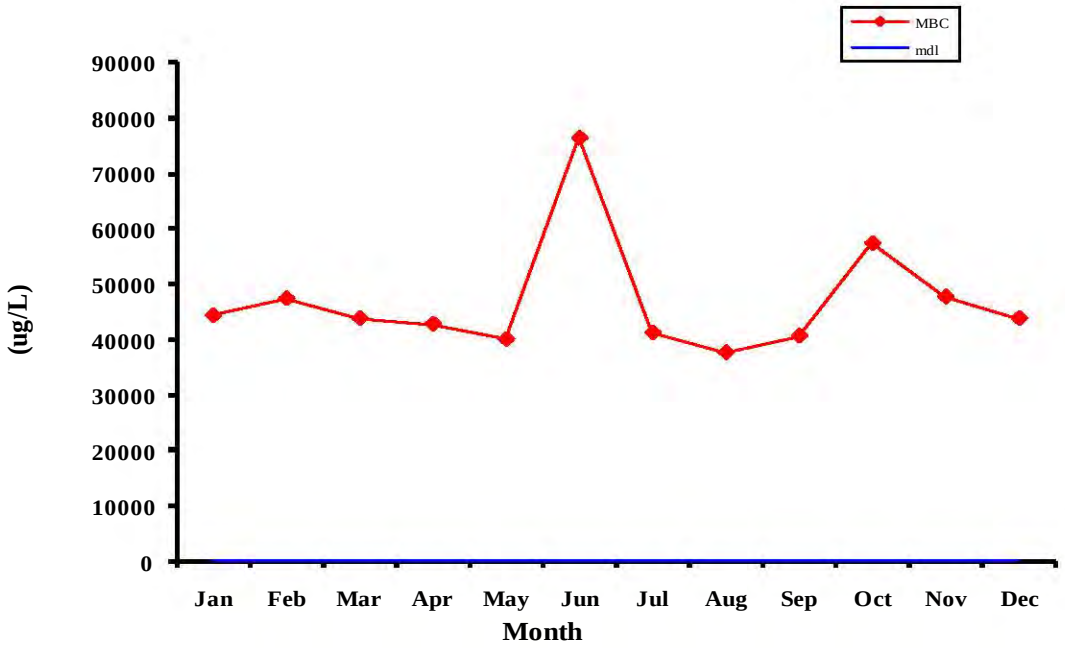
MBC_COMBCN
Chromium
2010 Monthly Averages



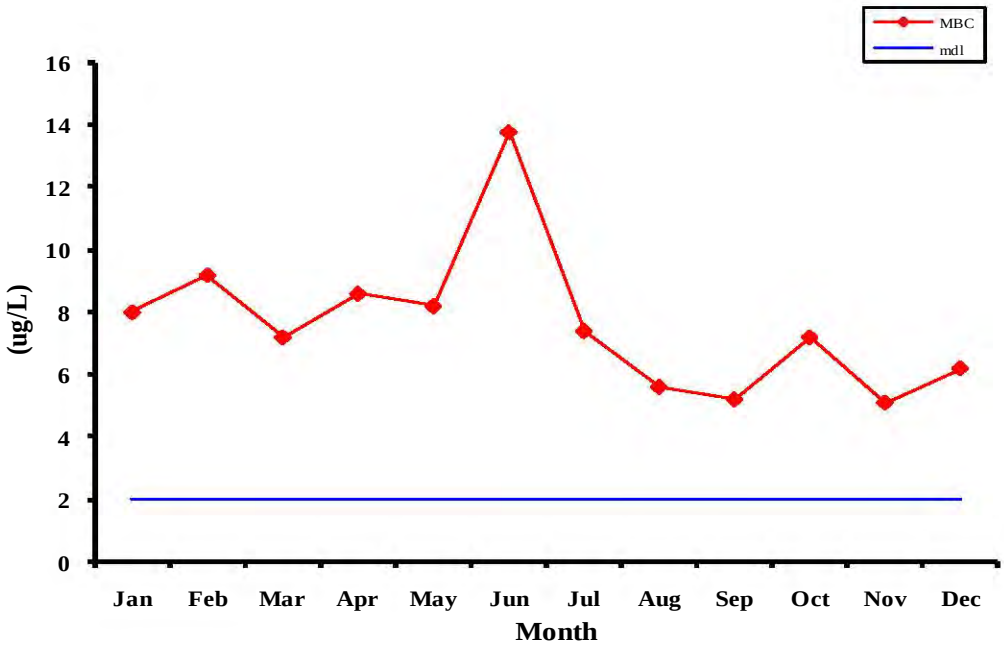
MBC_COMBCN
Copper
2010 Monthly Averages



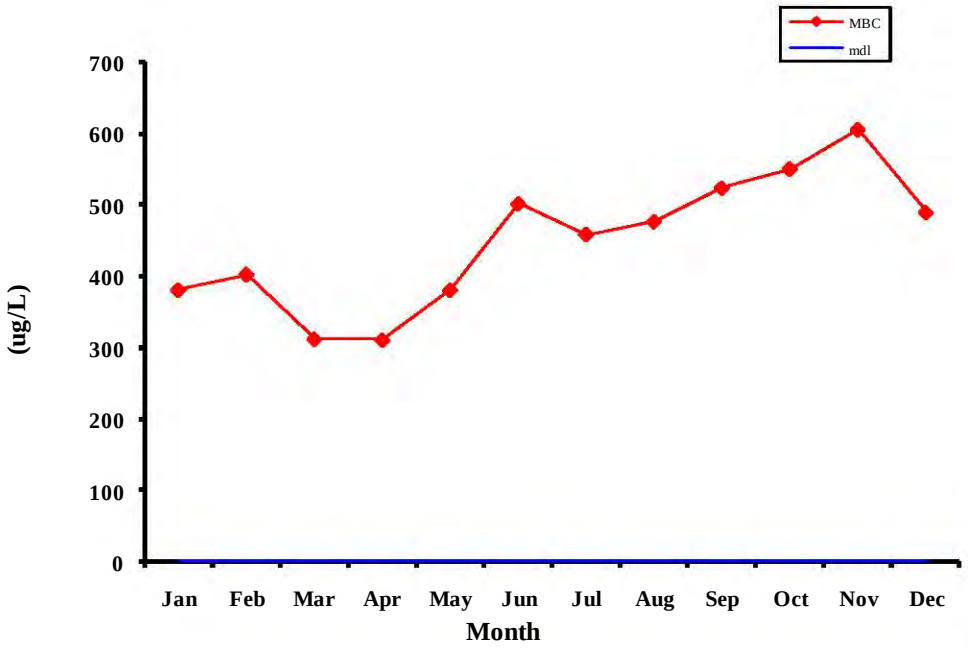
MBC_COMBCN
Iron
2010 Monthly Averages



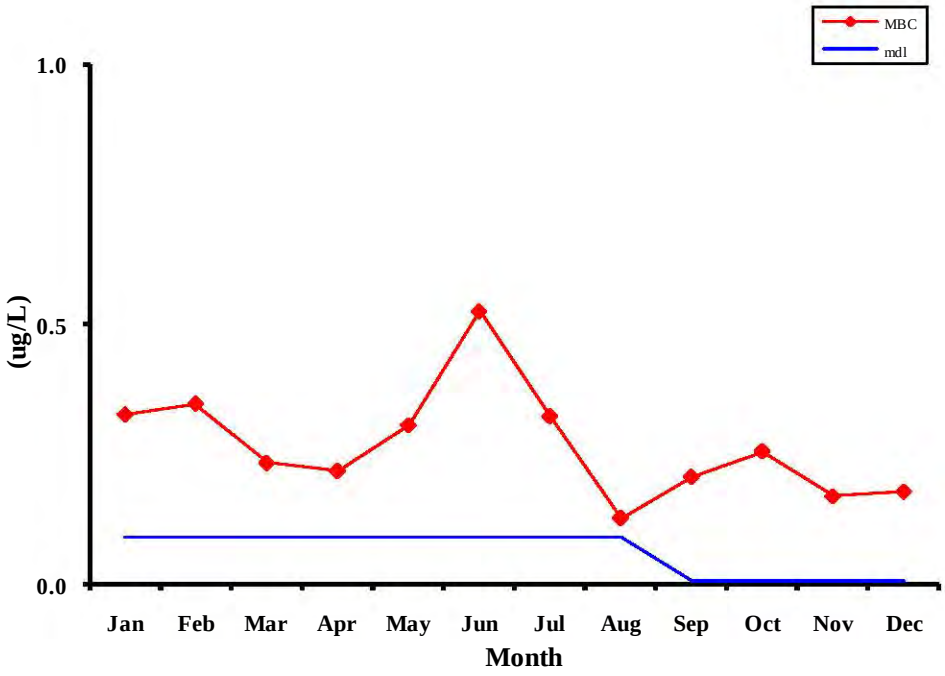
MBC_COMBCN
Lead
2010 Monthly Averages



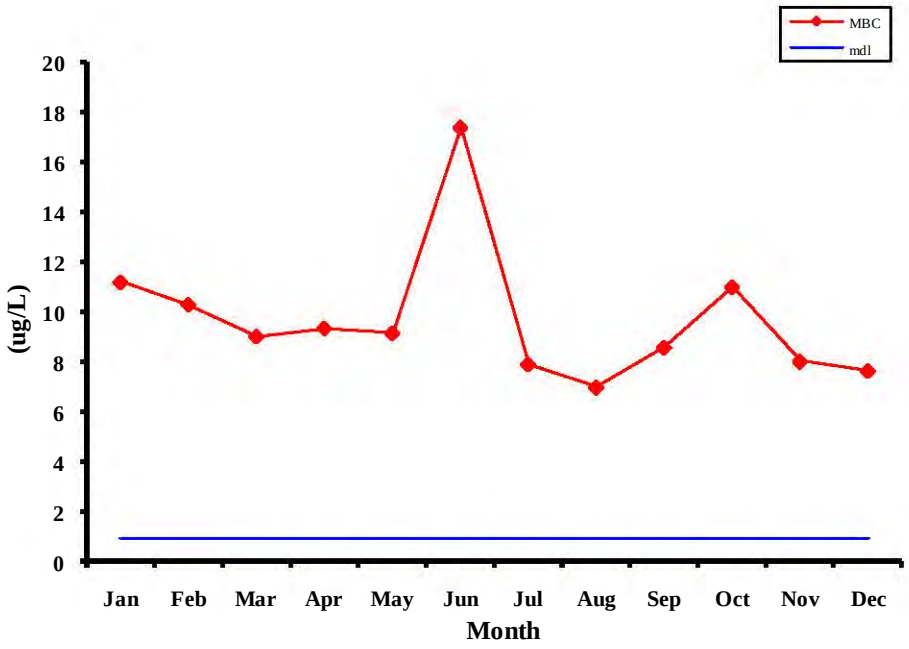
MBC_COMBCN
Manganese
2010 Monthly Averages



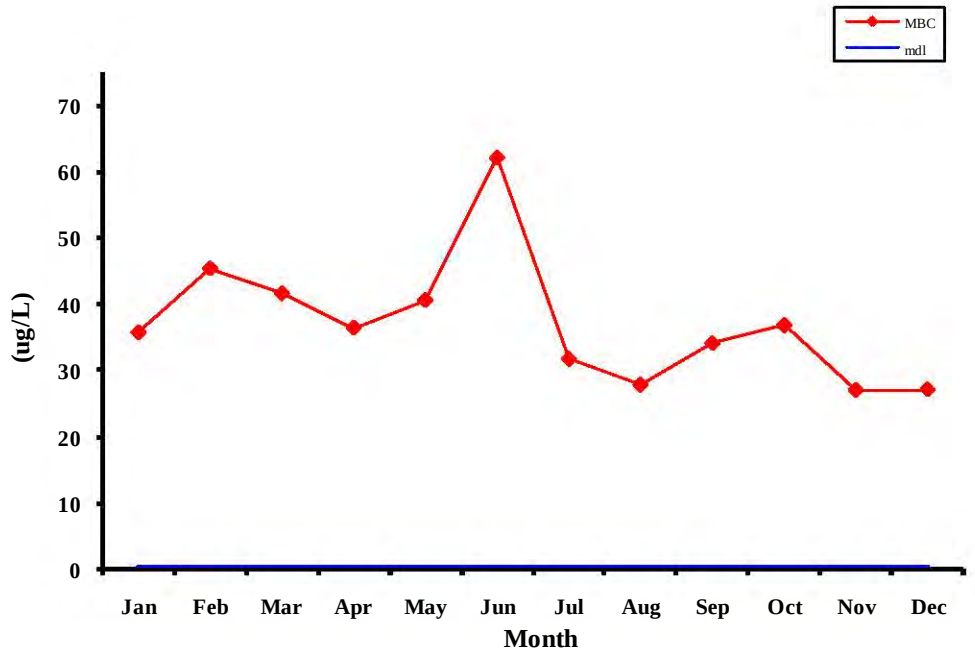
MBC_COMBCN
Mercury
2010 Monthly Averages



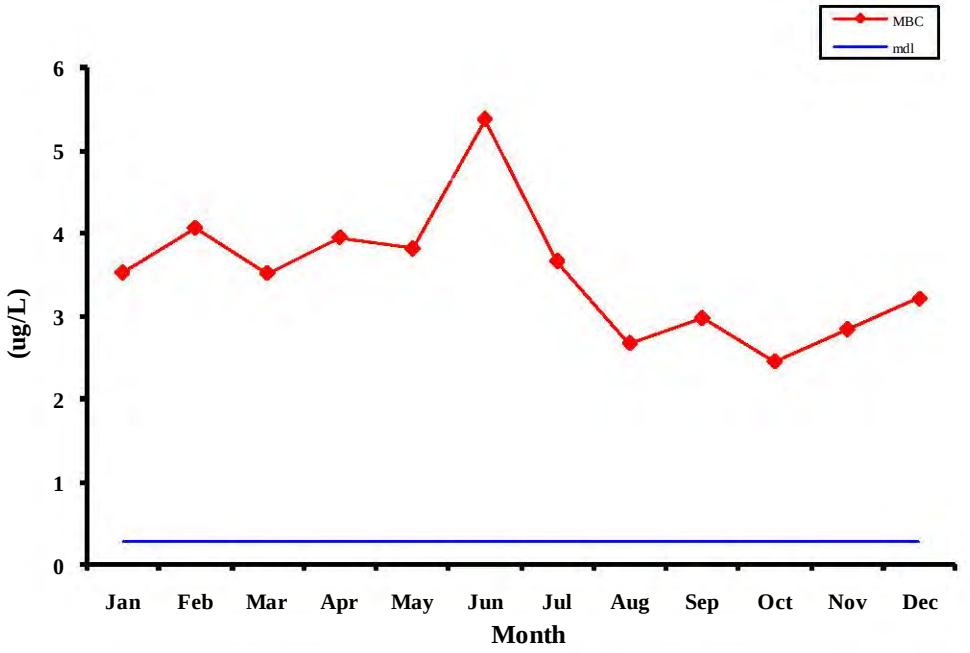
MBC_COMBCN
Molybdenum
2010 Monthly Averages



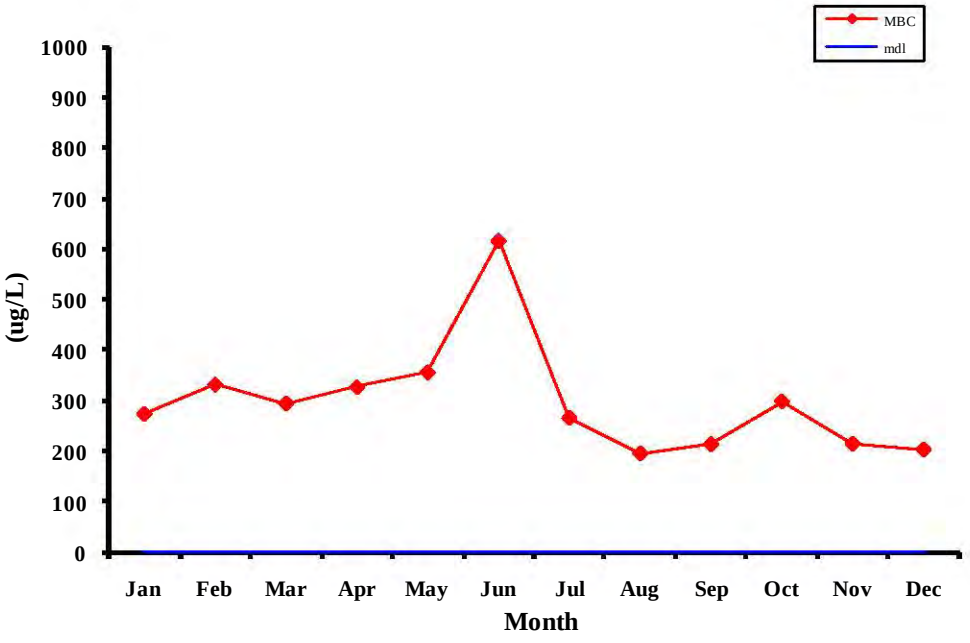
MBC_COMBCN
Nickel
2010 Monthly Averages



MBC_COMBCN
Selenium
2010 Monthly Averages



MBC_COMBCN
Zinc
2010 Monthly Averages



C. MBC Digester and Digested Sludge Data Summary

Metro Biosolids Center Annual Report
Digesters

From 01-Jan-2010 to 31-Dec-2010

Digester 1

	pH	Total Solids (%)	Volatile Solids (%)	Alkal-inity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2010				OUT OF SERVICE				
FEBRUARY -2010								
MARCH -2010								
APRIL -2010								
MAY -2010								
JUNE -2010								
JULY -2010								
AUGUST -2010								
SEPTEMBER-2010								
OCTOBER -2010								
NOVEMBER -2010								
DECEMBER -2010								
Average:	*	*	*	*	*	*	*	*

Digester 2

	pH	Total Solids (%)	Volatile Solids (%)	Alkal-inity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2010				OUT OF SERVICE				
FEBRUARY -2010								
MARCH -2010								
APRIL -2010								
MAY -2010								
JUNE -2010								
JULY -2010								
AUGUST -2010								
SEPTEMBER-2010								
OCTOBER -2010								
NOVEMBER -2010								
DECEMBER -2010								
Average:	*	*	*	*	*	*	*	*

Digester 3

	pH	Total Solids (%)	Volatile Solids (%)	Alkal-inity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2010	7.19	2.4	66.9	2670	86	60.7	39.3	26
FEBRUARY -2010	7.22	2.1	67.1	2430	77	60.5	39.5	17
MARCH -2010	7.17	2.1	66.8	2510	79	60.9	39.1	18
APRIL -2010	7.23	<2.0	64.0	2480	77	61.4	38.5	23
MAY -2010	7.15	2.1	67.0	2400	73	60.1	39.9	23
JUNE -2010	7.14	2.1	69.0	2240	67	60.0	40.0	24
JULY -2010	7.06	2.2	69.6	2060	68	60.1	39.9	23
AUGUST -2010	7.06	2.3	70.8	2090	71	59.7	40.3	25
SEPTEMBER-2010	7.11	2.3	70.9	2200	69	59.8	40.1	24
OCTOBER -2010	7.12	2.3	68.5	2110	68	60.7	39.3	15
NOVEMBER -2010	7.04	2.4	69.8	2130	67	60.1	39.8	18
DECEMBER -2010	7.12	2.2	69.3	2290	63	61.2	38.8	17
Average:	7.13	2.2	68.3	2301	72	60.4	39.5	21

D. Gas Production

Metro Biosolids Center
Annual Summary

Gas Report
From 01-JAN-2010 to 31-DEC-2010

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			242,599.9	242,599.9	628	340,447	341,075
02			248,921.5	248,921.5	2,955	356,267	359,222
03			252,489.7	252,489.7	710	373,233	373,944
04			310,884.2	310,884.2	2,007	368,493	370,499
05			388,041.5	388,041.5	0	394,261	394,261
06			384,535.0	384,535.0	2,468	384,329	386,797
07			380,807.8	380,807.8	3,037	375,097	378,134
08			399,447.1	399,447.1	2,153	395,992	398,145
09			355,473.6	355,473.6	1,978	355,795	357,773
10			303,192.4	303,192.4	869	307,241	308,110
11			356,029.3	356,029.3	1,407	352,460	353,866
12			318,912.1	318,912.1	7,577	353,195	360,772
avg			328,444.5	328,444.5	2,149	363,068	365,217

Monthly Totals

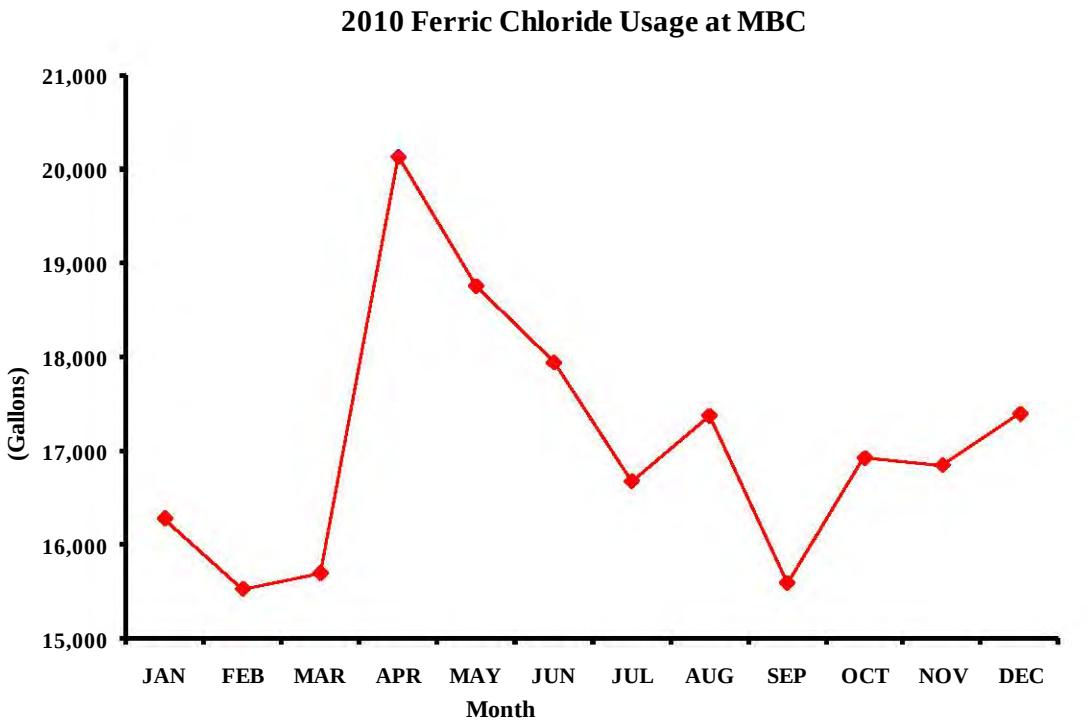
	GAS PRODUCTION (x1000 Cu. Ft.)				GAS CONSUMPTION (x1000 Cu. Ft.)		
Month	DIG 1	DIG 2	DIG 3	Total Gas Production	Gas Flares	Gas Cogeneration	Total Gas Consumption
01			7,520,596.0	7,520,596.0	19,472	10,553,862	10,573,334
02			6,969,802.0	6,969,802.0	82,748	9,975,481	10,058,229
03			7,827,180.0	7,827,180.0	22,024	11,570,236	11,592,260
04			9,326,527.0	9,326,527.0	60,201	11,054,781	11,114,982
05			12,029,285.0	12,029,285.0	0	12,222,092	12,222,092
06			11,536,049.0	11,536,049.0	74,041	11,529,876	11,603,917
07			11,805,042.0	11,805,042.0	94,150	11,628,008	11,722,158
08			12,382,861.0	12,382,861.0	66,736	12,275,755	12,342,491
09			10,664,209.0	10,664,209.0	59,335	10,673,852	10,733,187
10			9,398,963.0	9,398,963.0	26,930	9,524,483	9,551,413
11			10,680,878.0	10,680,878.0	42,197	10,573,791	10,615,988
12			9,886,275.0	9,886,275.0	234,900	10,949,039	11,183,939
avg			10,002,305.6	10,002,305.6	65,228	11,044,271	11,109,499
sum			120,027,667.0	120,027,667.0	782,734	132,531,256	133,313,990

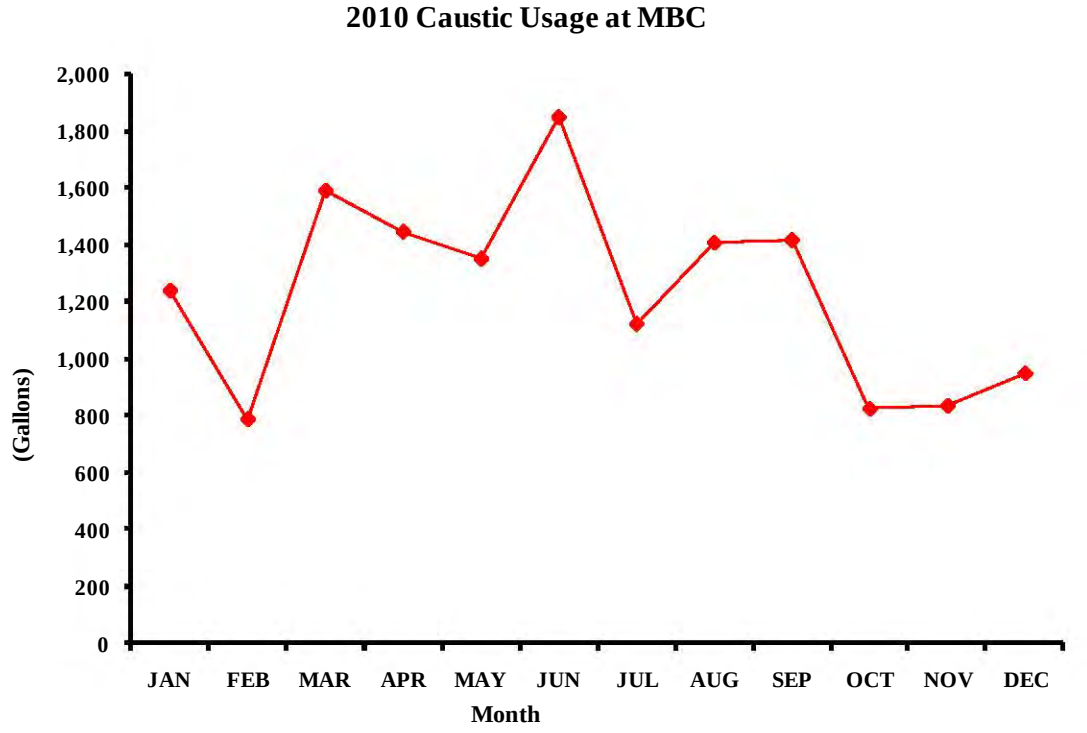
E. Chemical Usage

Metro Biosolids Center - Monthly Chemical Usage Report
From 01-JAN-2010 TO 31-DEC-2010

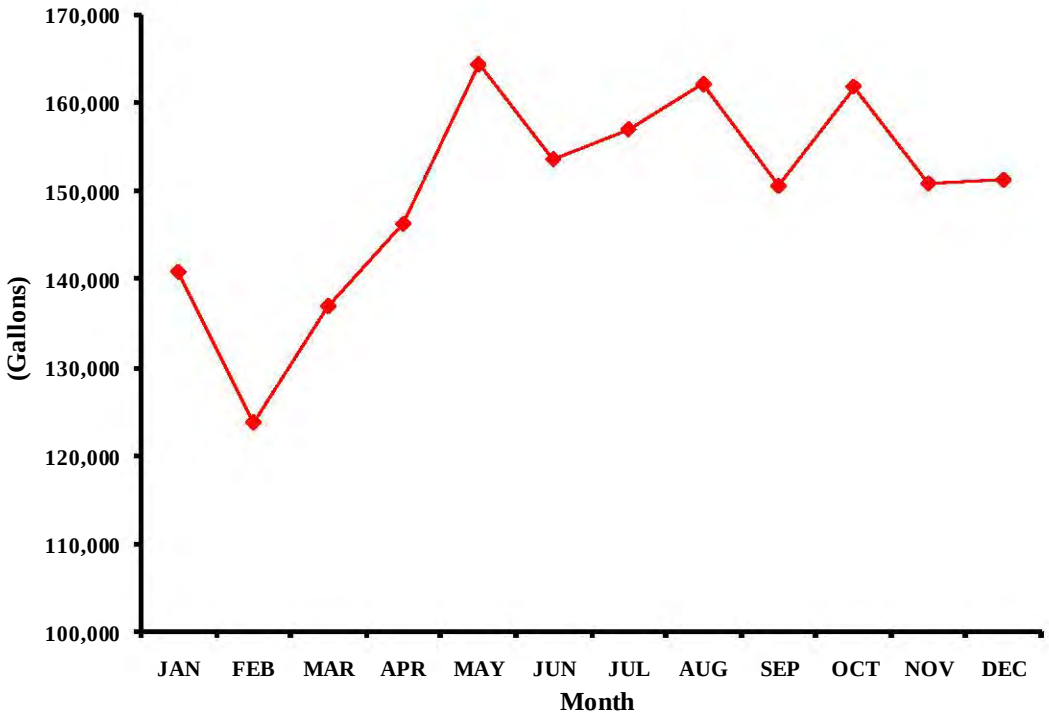
MON	Polymer Gallons	Ferric Chloride Gallons	Ferrous Chloride Gallons	Sodium Hydroxide Gallons	Hypochlorite Gallons	Sulfuric Acid Gallons
01	140,794	16,277	12,599	1,239	6,325	0
02	123,654	15,521	9,230	788	3,184	0
03	136,888	15,690	9,534	1,591	3,655	0
04	146,229	20,146	11,058	1,447	2,592	0
05	164,355	18,762	10,436	1,352	4,002	0
06	153,589	17,945	11,333	1,849	5,941	0
07	156,985	16,673	11,424	1,123	4,821	0
08	162,097	17,373	12,640	1,408	8,060	0
09	150,551	15,585	12,278	1,417	7,490	0
10	161,836	16,920	13,616	824	3,573	0
11	150,817	16,847	10,297	835	2,917	0
12	151,239	17,394	10,362	949	3,380	0
avg	149,920	17,094	11,234	1,235	4,662	0
sum	1,799,035	205,133	134,805	14,821	55,938	0

F. Graphs of Monthly Chemical Usage

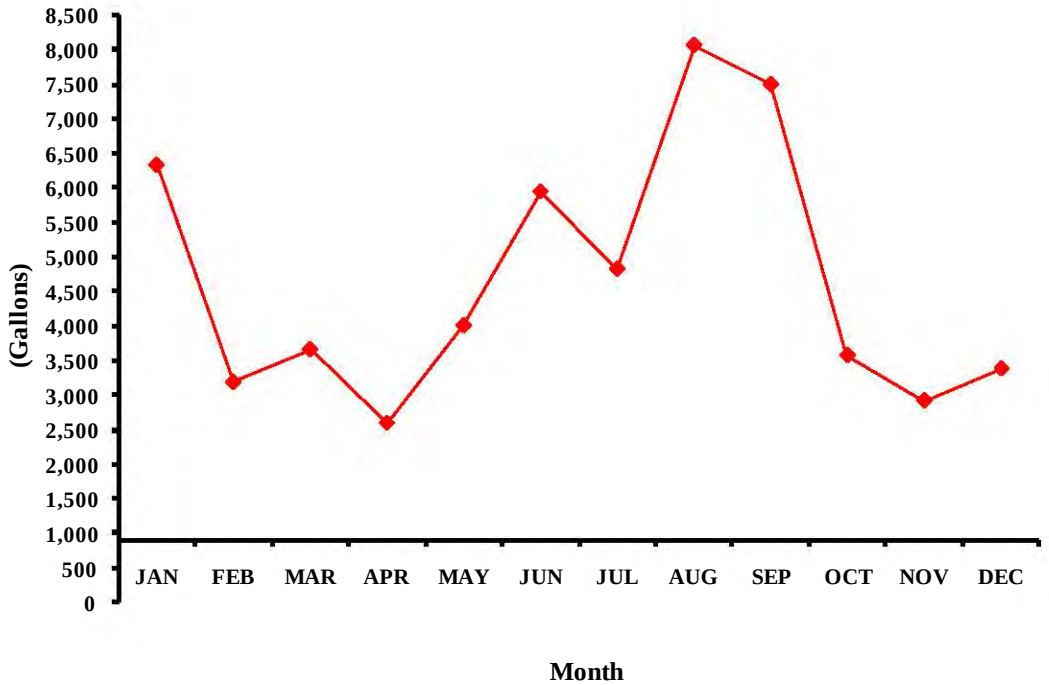




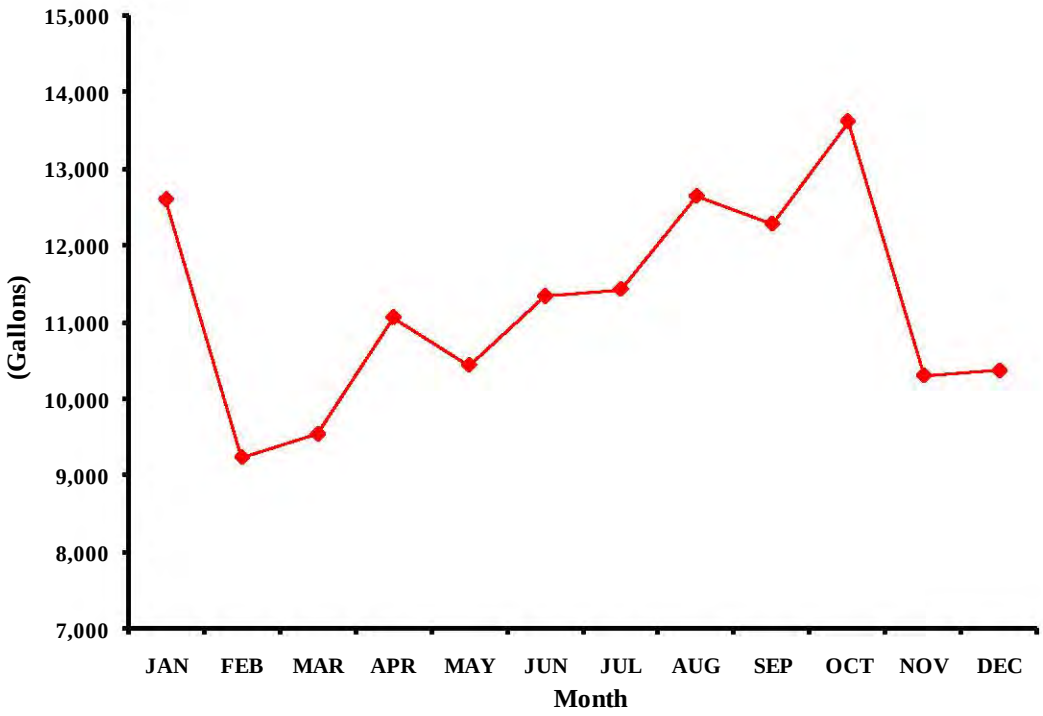
2010 Polymer Usage at MBC



2010 Sodium Hypochlorite Usage at MBC



2010 Ferrous Chloride Usage at MBC



G. Solids Handling Annual Report

2010 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 (PLWWTP) 1902 Gatchell Rd., San Diego, CA

The Point Loma Wastewater Treatment Plant (PLWWTP) and the North City Water Reclamation Plant produced and disposed of 127,713 wet tons/36,822 dry tons (33,405 dry metric tons) of digested sludge (biosolids) in 2010.

With the exception of digester cleanings from Pt. Loma WWTP, which were slurried and dewatered on site by a third party contractor, all digested sludge produced at the Pt. Loma WWTP was pumped to the Metro Biosolids Center (MBC) for dewatering by centrifuges. All 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 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 summarized in the following table.

Disposition	Wet tons (short)	Dry tons[12]	Dry metric tons
Digester cleanings Disposal in sanitary landfill	**5,536**	**2,287**	**2,075**
Beneficial reuse as Alternative Daily Cover (ADC) at landfill	**95,814**	**27,071**	**24,559**
Land application in Arizona	**26,363**	**7,464**	**6,771**

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).

[12] (based on sum of monthly total tons)

Land Applier:	**Solid Solutions, LLC**
Address:	12812 Valley View St, #9, Garden Grove, CA 92845
Period:	January 1, 2010 - December 31, 2010
Reuse method:	Direct land application. Digested dewatered sludge from the MBC centrifuges were land applied directly to fields in Yuma County, AZ. The sludge was certified by the City of San Diego as meeting Class B pathogen and vector attraction reduction requirements of 40 CFR 503. Copies of the City of San Diego's certifications (which also serve as notification of nitrogen content) are included as Enclosure 2. Copies of Solid Solutions' certification statements are included as Enclosures 11 & 12.

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 and beneficial use as Alternative Daily Cover at Otay Landfill or beneficially used for land application in Yuma County, Arizona, Tables 1B and Table 1C.

The digested biosolids, centrate and dewatered cake are sampled on a daily basis to ensure regulatory compliance and to track plant process performance. Grab samples are collected daily on the incoming biosolids from the PLWWTP and the blended biosolids, which includes the digested biosolids from the NCWRP. The operations staff also collect 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.

Digesters 8 and C-1 at the Point Loma Wastewater Treatment Plant were cleaned during the months of June and July. Digester cleanings were slurried and dewatered on site by a third party contractor. They were hauled to Otay Landfill and disposed of as land fill.

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 performed 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, Nitrogen and total solids analysis. See Enclosure 14.

Biosolids used for all uses in 2010 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"[13], were performed during 2010 and the reports of these analyses are included in Enclosure 7.

Table 1.A. Landfill location used during 2010 is as follows:

Otay Landfill 1700 Maxwell Road Chula Vista, San Diego County, CA 91911	5536 wet tons (2287dry tons/2075 dry metric tons, based on sum of monthly totals for digester cleanings) disposed of from January to December 2010 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.

[13] 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

2010 Month:	Otay Landfill Biosolids (wet Tons)	Otay Landfill Beneficial Use[1] (wet Tons)	Otay Landfill Total (wet Tons)	Cullison Farms, Yuma, AZ Beneficial Use[2] (wet Tons)	Norris Farm Aztec, Yuma County, AZ Beneficial Use[2] (wet Tons)	Desert Ridge Farms Yuma, AZ Beneficial Use[2] (wet Tons)	Butler Diamond Farms Yuma, AZ Beneficial Use[2] (wet Tons)	Total (wet Tons)	%TS	Total Dry Tons	Total Biosolids (dry metric tons)
January		6,464.84	6,464.84	2,525.06		0.00		8,989.90	28.8	2,589.09	2,348.82
February		6,928.48	6,928.48	1,877.51		0.00		8,805.99	29.0	2,553.74	2,316.75
March		7,974.43	7,974.43	2,112.98		0.00		10,087.41	28.9	2,915.26	2,644.73
April		8,578.33	8,578.33	2,162.32		0.00		10,740.65	28.2	3,028.86	2,747.78
May		9,671.50	9,671.50	1,095.20		848.05		11,614.75	28.0	3,252.13	2,950.33
June	1,375.86	8,985.47	10,361.33	822.66		697.04	531.70	12,412.73	27.9	3,463.15	3,141.77
July	4,160.19	8,618.60	12,778.79		1,443.33		673.99	14,896.11	27.9	4,156.01	3,770.34
August		8,846.02	8,846.02	1,945.58	24.25	99.47		10,915.32	28.3	3,089.04	2,802.37
September		8,261.78	8,261.78	0.00		2,114.67		10,376.45	27.6	2,863.90	2,598.13
October		7,861.80	7,861.80	2,038.75		99.02		9,999.57	27.6	2,759.88	2,503.76
November		7,697.80	7,697.80	1,765.17		0.00		9,462.97	28.5	2,696.95	2,446.67
December		5,925.30	5,925.30	3,485.97		0.00		9,411.27	28.8	2,710.45	2,458.92
Total:	5,536.05	95,814.35	101,350.40	19,831.20	1,467.58	3,858.25	1,205.69	127,713.12		36,078.46	32,730.38
Monthly Average:	2,768.03	7,984.53	8,445.87	1,802.84	733.79	350.75	602.85	10,642.76	28.3	3,006.54	2,727.53

[1] beneficial use as Alternative Daily Cover.

[2] beneficial use in Land Application.

Table 1C. 2010 Biosolids Land Application

		Desert Ridge , Yuma City, AZ		Norris, Yuma City, AZ		Cullison, Yuma County, AZ		Butler Diamond, Yuma County, AZ		Total Monthly	Total Monthly	Total Metric
Month	%TS	wet tons	dry tons	wet tons	dry tons	wet tons	dry tons	wet tons	dry tons	wet tons	dry tons	dry tons
January	28.8	0.00	0.00		0.00	2,525.06	727.22		0.00	2,525.06	727.22	659.73
February	29.0	0.00	0.00		0.00	1,877.51	544.48		0.00	1,877.51	544.48	493.95
March	28.9	0.00	0.00		0.00	2,112.98	610.65		0.00	2,112.98	610.65	553.98
April	28.2	0.00	0.00		0.00	2,162.32	609.77		0.00	2,162.32	609.77	553.19
May	28.0	848.05	237.45		0.00	1,095.20	306.66		0.00	1,943.25	544.11	493.62
June	27.9	697.04	194.47		0.00	822.66	229.52	531.70	148.34	2,051.40	572.34	519.23
July	27.9		0.00	1,443.33	402.69		0.00	673.99	188.04	2,117.32	590.73	535.91
August	28.3	99.47	28.15	24.25	6.86	1,945.58	550.60		0.00	2,069.30	585.61	531.27
September	27.6	2,114.67	583.65		0.00	0.00	0.00		0.00	2,114.67	583.65	529.49
October	27.6	99.02	27.33		0.00	2,038.75	562.70		0.00	2,137.77	590.02	535.27
November	28.5	0.00	0.00		0.00	1,765.17	503.07		0.00	1,765.17	503.07	456.39
December	28.8	0.00	0.00		0.00	3,485.97	1,003.96		0.00	3,485.97	1,003.96	910.79
2010 Totals	Avg =28.3	3,858.25	1,071.06	1,467.58	409.55	19,831.20	5,648.63	1,205.69	336.39	26,362.72	7,465.62	6,772.81

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

2010 Month:	Copper Mountain Landfill **Scum (Tons)**	Otay Landfill **Scum (Tons)**	South Yuma Landfill **Scum (Tons)**	Otay Landfill **Digester Cleanings (Tons)**	Miramar Landfill **Grit (Tons)**	Miramar Landfill **Rags & Screenings (Tons)**
January	47.03				229.21	553.80
February	45.81				172.80	548.19
March	36.15				166.65	528.45
April	29.36				188.74	3,183.48
May	28.78				171.75	524.76
June	59.18			1,375.86	116.90	483.16
July	29.15	10.65			131.92	528.05
August	6.54				205.88	571.28
September	27.40				154.14	510.21
October	31.78				141.36	516.04
November	29.38				146.12	490.10
December	32.21				200.70	245.24
Total:	402.77	10.65		1,375.86	2,026.17	8,682.76
Average:	**33.56**	**10.65**		**1,375.86**	**168.85**	**723.56**

Point Loma Wastewater Treatment Plant/Metro Biosolids Center
Sludge Project - Annual Summary
Solids Report

From 01-JAN-2010 to 31-DEC-2010

Month	Pt. Loma Raw sludge Gallons	Dry Tons	Pt.Loma Digested Sludge Gallons	Dry Tons	MBC Combined Centrate Gallons	Dry Tons	MBC Dewatered Sludge Wet Tons	Dry Tons
01	34,778,670	5,874	34,778,670	3,374	71,362,097	987	8,990	2,587
02	30,710,753	5,227	30,710,753	2,925	68,465,952	901	8,806	2,555
03	32,932,664	5,905	32,932,664	3,139	74,413,864	965	10,087	2,917
04	32,815,127	5,810	32,815,127	3,427	74,588,751	1,012	10,741	3,026
05	34,691,408	5,726	34,691,393	3,530	78,211,711	1,145	11,615	3,259
06	34,661,864	5,504	34,661,864	3,449	73,607,329	1,296	11,037	3,082
07	36,180,495	5,519	36,180,495	3,556	77,574,364	1,269	10,736	3,001
08	37,377,190	5,798	37,477,190	3,559	77,322,887	1,209	10,915	3,087
09	35,726,658	5,824	35,726,774	3,348	68,151,597	1,100	10,377	2,868
10	37,577,299	5,967	37,577,226	3,574	74,265,531	1,120	10,000	2,761
11	36,417,924	5,642	45,259,838	3,856	70,950,735	851	9,463	2,696
12	36,154,340	5,866	36,154,350	3,158	73,625,708	955	9,411	2,705
avg	35,002,033	5,722	35,747,195	3,408	73,545,044	1,068	10,181	2,879
sum	420,024,392	68,663	428,966,344	40,895	882,540,526	12,811	122,177	34,544

Solids Report - Daily **Averages** by Month
From 01-JAN-2010 to 31-DEC-2010

Year Month	Pt. Loma Raw sludge Gallons	%TS	Dry Tons	Pt.Loma Digested Sludge Gallons	%TS	Dry Tons	MBC Combined Centrate Gallons	%TS	Dry Tons	MBC Dewatered Sludge Wet Tons	%TS	Dry Tons
10-01	1,121,893	4.1	189	1,121,893	2.3	109	2,302,003	0.33	31.6	290	28.8	83.4
10-02	1,096,813	4.1	185	1,096,813	2.3	104	2,445,213	0.32	31.6	314	29.0	91.3
10-03	1,062,344	4.3	189	1,062,344	2.3	100	2,400,447	0.31	31.1	325	28.9	94.1
10-04	1,093,838	4.2	196	1,093,838	2.5	113	2,486,292	0.33	33.8	358	28.2	100.9
10-05	1,119,078	4.0	188	1,119,077	2.4	113	2,522,958	0.35	37.0	375	28.1	105.1
10-06	1,155,395	3.8	190	1,155,395	2.4	113	2,453,578	0.42	43.3	368	27.9	102.7
10-07	1,167,113	3.7	178	1,167,113	2.4	115	2,502,399	0.39	40.9	346	28.0	96.8
10-08	1,205,716	3.7	188	1,208,942	2.3	115	2,494,287	0.38	39.0	352	28.3	99.6
10-09	1,190,889	3.9	194	1,190,892	2.2	111	2,271,720	0.39	36.6	346	27.6	95.6
10-10	1,212,171	3.8	192	1,212,169	2.3	115	2,395,662	0.36	35.9	323	27.6	89.1
10-11	1,213,931	3.7	187	1,508,661	2.0	137	2,365,025	0.29	28.5	315	28.5	89.9
10-12	1,166,269	3.9	188	1,166,269	2.1	102	2,375,023	0.31	30.6	304	28.7	87.3
avg	1,150,454	3.9	189	1,175,284	2.3	112	2,417,884	0.35	35.0	335	28.3	94.6

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

Enclosure 7

Results of other analyses of dewatered biosolids for 2010.
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 2010.

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

From: 01-JAN-2010 To: 31-DEC-2010

Source:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			31-JAN-2010	28-FEB-2010	31-MAR-2010	30-APR-2010	31-MAY-2010	30-JUN-2010
Sample ID:	MDL	Units	P506299	P510362	P513379	P517195	P520669	P523955
Aluminum	4	MG/KG	7230	7180	7470	7020	6360	6150
Antimony	.5	MG/KG	1.0	2.3	2.8	2.7	2.0	2.5
Arsenic	.68	MG/KG	4.45	7.32	6.24	4.67	3.95	3.63
Barium	.05	MG/KG	242	290	319	360	161	229
Beryllium	.02	MG/KG	0.33	0.45	0.35	0.43	0.46	0.30
Cadmium	.1	MG/KG	1.4	1.5	1.7	1.5	1.4	1.5
Chromium	.3	MG/KG	65	64	76	69	77	89
Cobalt	.2	MG/KG	3.9	3.8	5.7	5.2	5.3	4.3
Cyanides,Total	.1	MG/KG	NA	2.07	NA	NA	2.35	NA
Copper	.4	MG/KG	729	663	695	725	692	639
Iron	20	MG/KG	84800	79800	86500	81700	83800	85300
Lead	2	MG/KG	17	17	19	18	15	17
Manganese	.2	MG/KG	351	290	322	292	278	274
Mercury	.4	MG/KG	1.52	1.85	2.22	1.87	1.21	1.49
Molybdenum	.1	MG/KG	20	17	21	19	19	25
Nickel	.3	MG/KG	61	70	87	70	68	91
Selenium	.47	MG/KG	6.15	5.58	6.39	6.34	5.81	6.06
Silver	.07	MG/KG	5	7	8	7	7	7
Thallium	1	MG/KG	ND	ND	ND	ND	1	1
Vanadium	.2	MG/KG	24	25	29	28	25	24
Zinc	.5	MG/KG	930	887	922	975	940	926
Sulfides-Reactive	11	MG/KG	ND	ND	<11	ND	ND	ND
Sulfides-Total	2170	MG/KG	12500	6560	10900	12600	7170	12200
Total Nitrogen	1.1	WT%	5.61	4.51	5.01	4.70	5.09	4.99
Total Kjeldahl Nitrogen	.04	WT%	NR	4.36	NR	NR	4.59	NR
Total Volatile Solids		WT%	57.3	56.4	55.3	57.7	58.1	60.2
Total Solids		WT%	28.2	29.0	28.4	27.7	27.6	27.7
pH	.08	PH	7.46	7.54	7.81	7.78	7.53	7.51

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

MBCDEWCN= Metro Biosolids Center Dewatered Centrifuged Sludge.

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

From: 01-JAN-2010 To: 31-DEC-2010

Source:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			31-JUL-2010	31-AUG-2010	30-SEP-2010	31-OCT-2010	30-NOV-2010	31-DEC-2010
Sample ID:	MDL	Units	P528411	P532026	P536066	P539387	P543490	P547247
Aluminum	4	MG/KG	6420	6540	6780	6640	6520	6640
Antimony	.5	MG/KG	2.1	2.5	2.2	2.8	3.3	2.8
Arsenic	.68	MG/KG	2.73	3.53	3.37	2.91	3.35	4.38
Barium	.05	MG/KG	178	211	215	210	326	196
Beryllium	.02	MG/KG	0.18	0.26	0.32	0.20	0.25	0.27
Cadmium	.1	MG/KG	1.3	1.3	1.4	1.5	1.5	1.3
Chromium	.3	MG/KG	62	65	72	84	69	59
Cobalt	.2	MG/KG	6.2	5.0	5.7	6.4	5.2	4.1
Cyanides,Total	.1	MG/KG	NA	1.83	NA	1.69	NA	NA
Copper	.4	MG/KG	649	692	758	760	679	620
Iron	20	MG/KG	84700	91000	92600	93200	88400	89200
Lead	2	MG/KG	18	17	18	18	16	15
Manganese	.2	MG/KG	281	275	289	298	295	300
Mercury	.4	MG/KG	1.98	1.23	1.46	1.60	0.70	1.84
Molybdenum	.1	MG/KG	23	22	24	26	24	20
Nickel	.3	MG/KG	84	78	93	87	59	49
Selenium	.47	MG/KG	6.15	6.16	6.31	4.90	3.82	6.10
Silver	.07	MG/KG	6	6	7	7	7	6
Thallium	1	MG/KG	ND	ND	ND	1	2	2
Vanadium	.2	MG/KG	23	20	19	21	21	23
Zinc	.5	MG/KG	896	900	949	945	908	900
Sulfides-Reactive	11	MG/KG	11	18	16	ND	ND	ND
Sulfides-Total	2170	MG/KG	12100	13500	31200	12400	10600	8610
Total Nitrogen	1.1	WT%	4.63	5.03	5.05	4.96	5.08	5.16
Total Kjeldahl Nitrogen	.04	WT%	NR	4.69	NR	1.31	NR	NR
Total Volatile Solids		WT%	58.3	58.4	56.5	60.4	57.8	59.4
Total Solids		WT%	27.4	27.9	26.8	27.5	28.5	28.8
pH	.08	PH	7.41	7.44	8.08	7.61	7.50	7.49

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

MBCDEWCN= Metro Biosolids Center Dewatered Centrifuged Sludge.

POINT LOMA WASTEWATER TREATMENT PLANT
Quarterly Sludge Project
Total Nitrogen Analysis

From 01-JAN-2010 to 31-DEC-2010

			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			31-JAN-2010	28-FEB-2010	31-MAR-2010	30-APR-2010	31-MAY-2010	30-JUN-2010	31-JUL-2010
Sample:	MDL	Units	P506299	P510362	P513379	P517195	P520669	P523955	P528411
Total Nitrogen	1.1	WT%	5.6	4.5	5.0	4.7	5.1	5.0	4.6

			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:			31-AUG-2010	30-SEP-2010	31-OCT-2010	30-NOV-2010	31-DEC-2010
Sample:	MDL	Units	P532026	P536066	P539387	P543490	P547247
Total Nitrogen	1.1	WT%	5.0	5.1	5.0	5.1	5.2

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

POINT LOMA WASTEWATER TREATMENT PLANT
QUARTERLY SLUDGE PROJECT - ANNUAL SUMMARY

Radioactivity

Annual 2010

Analyzed by: Test America Laboratories

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
PLE	02-FEB-2010	P504388	9.0 ± 4.9	31.5 ± 7.9
PLE	04-MAY-2010	P515390	2.4 ± 3.8	31.8 ± 8.5
PLE	03-AUG-2010	P524948	3.1 ± 2.5	35.6 ± 8.5
PLE	05-OCT-2010	P533505	3.2 ± 4.6	46.1 ± 13.0
PLE	ANNUAL	AVERAGE	4.4 ± 4.0	36.3 ± 9.5

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
PLR	02-FEB-2010	P504393	5.2 ± 3.6	38.7 ± 9.6
PLR	04-MAY-2010	P515395	0.4 ± 3.6	35.0 ± 9.0
PLR	03-AUG-2010	P524953	-2.1 ± 2.1	31.8 ± 9.4
PLR	05-OCT-2010	P533510	3.0 ± 5.9	29.8 ± 12.0
PLR	ANNUAL	AVERAGE	1.6 ± 3.8	33.8 ± 10.0

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
MBC_COMBCN	02-FEB-2010	P504403	4.1 ± 3.0	54.4 ± 10.0
MBC_COMBCN	04-MAY-2010	P515405	1.2 ± 2.7	52.3 ± 11.0
MBC_COMBCN	03-AUG-2010	P524963	2.0 ± 3.6	51.8 ± 13.0
MBC_COMBCN	05-OCT-2010	P533520	2.4 ± 3.0	44.8 ± 9.7
MBC_COMBCN	ANNUAL	AVERAGE	2.4 ± 3.1	50.8 ± 10.9

Source	Sample Date	Sample ID		Gross Alpha Radiation	Gross Beta Radiation
MBCDEWCN	28-FEB-2010	P510362		3270 ± 2650	11800 ± 3500
MBCDEWCN	31-MAY-2010	P520669		5400 ± 4950	10900 ± 2600
MBCDEWCN	31-AUG-2010	P532026		5430 ± 2900	9190 ± 3150
MBCDEWCN	31-OCT-2010	P539387		4350 ± 3450	10900 ± 3450
MBCDEWCN	ANNUAL	AVERAGE		4612 ± 3487	10697 ± 3175

Units in picocuries per Liter (pCi/L)

METROBIOSOLIDS CENTER
SLUDGE PROJECT - ANNUAL SUMMARY
Chlorinated Pesticide Analysis

Annual 2010

Analyte	MDL	Units	MBCDEWCN 31-JAN-2010 P506299	MBCDEWCN 28-FEB-2010 P510362	MBCDEWCN 31-MAR-2010 P513379	MBCDEWCN 30-APR-2010 P517195	MBCDEWCN 31-MAY-2010 P520669
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	ND	ND	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	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	ND	ND	<48000	ND	120000
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	0
DDT and derivatives	71000	NG/KG	0	0	0	0	0
Chlordane + related cmpds.	48000	NG/KG	0	0	0	0	120000
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	0	0	0	0	120000

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

METROBIOSOLIDS CENTER
SLUDGE PROJECT - ANNUAL SUMMARY
Chlorinated Pesticide Analysis

Annual 2010

Analyte	MDL	Units	MBCDEWCN 30-JUN-2010 P523955	MBCDEWCN 31-JUL-2010 P528411	MBCDEWCN 31-AUG-2010 P532026	MBCDEWCN 30-SEP-2010 P536066	MBCDEWCN 31-OCT-2010 P539387
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	<18000
p,p-DDE	28000	NG/KG	ND	ND	ND	ND	ND
p,p-DDT	35000	NG/KG	ND	ND	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	ND	ND	ND	60000
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	ND	ND	ND	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	135000	135000	ND	ND	<48000
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	0
DDT and derivatives	71000	NG/KG	0	0	0	0	60000
Chlordane + related cmpds.	48000	NG/KG	135000	135000	0	0	0
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	135000	135000	0	0	60000

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

METROBIOSOLIDS CENTER
SLUDGE PROJECT - ANNUAL SUMMARY
Chlorinated Pesticide Analysis

Annual 2010

Analyte	MDL	Units	MBCDEWCN 30-NOV-2010 P543490	MBCDEWCN 31-DEC-2010 P547247	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	ND
BHC, Delta isomer	28000	NG/KG	ND	ND	ND
p,p-DDD	18000	NG/KG	ND	ND	0
p,p-DDE	28000	NG/KG	ND	ND	ND
p,p-DDT	35000	NG/KG	ND	ND	ND
o,p-DDD	28000	NG/KG	ND	<28000	5000
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	ND	ND
Gamma (trans) Chlordane	48000	NG/KG	175000	ND	47083
Alpha Chlordene		NG/KG	NA	NA	NA
Gamma Chlordene		NG/KG	NA	NA	NA
Oxychlordane	28000	NG/KG	ND	ND	ND
Trans Nonachlor	18000	NG/KG	ND	ND	ND
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	0
DDT and derivatives	71000	NG/KG	0	0	5000
Chlordane + related cmpds.	48000	NG/KG	175000	0	47083
Polychlorinated biphenyls	580000	NG/KG	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	175000	0	52083

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

POINT LOMA WASTEWATER TREATMENT PLANT
Tributyl Tin (Sludge)

Annual 2010

			MBCDEWCN 31-MAY-2010 P520669	MBCDEWCN 31-OCT-2010 P539387
Monobutyltin	4000	UG/KG	ND	ND
Tributyltin	2600	UG/KG	ND	ND

ND= not detected

POINT LOMA WASTEWATER TREATMENT PLANT
Herbicide Analysis

Annual 2010

Date:			MBCDEWCN 28-FEB-2010	MBCDEWCN 31-MAY-2010	MBCDEWCN 31-AUG-2010
Sample:	MDL	Units	P510362	P520669	P532026
2,4-dichlorophenoxyacetic acid	2.66	MG/KG	ND	ND	ND
2,4,5-TP (Silvex)	2.87	MG/KG	ND	ND	ND

ND=not detected

POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
Organophosphorus Pesticides

Annual 2010

Analyte	MDL	Units	PLE 04-MAY-2010 P515390	PLE 03-AUG-2010 P524948	PLE 05-OCT-2010 P533505	PLR 04-MAY-2010 P515395	PLR 03-AUG-2010 P524953
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	0.7	ND	0.1	ND	ND
Parathion	.03	UG/L	ND	ND	ND	ND	ND
Thiophosphorus Pesticides	.15	UG/L	0.7	0.0	0.1	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	0.7	0.0	0.1	0.0	0.0
Bolstar	.07	UG/L	ND	NR	NR	ND	NR
Chlorpyrifos	.03	UG/L	ND	ND	ND	ND	ND
Coumaphos	.15	UG/L	ND	ND	ND	ND	ND
Dibrom	.2	UG/L	ND	NR	NR	ND	NR
Dichlofenthion	.03	UG/L	ND	NR	NR	ND	NR
Dichlorvos	.05	UG/L	ND	ND	ND	ND	ND
Dimethoate	.04	UG/L	ND	ND	ND	ND	ND
Disulfoton	.02	UG/L	ND	ND	ND	ND	ND
EPN	.09	UG/L	ND	NR	NR	ND	NR
Ethoprop	.04	UG/L	ND	NR	NR	ND	NR
Fensulfothion	.07	UG/L	ND	NR	NR	ND	NR
Merphos	.09	UG/L	ND	NR	NR	ND	NR
Mevinphos, e isomer	.05	UG/L	ND	NR	NR	ND	NR
Mevinphos, z isomer	.3	UG/L	ND	NR	NR	ND	NR
Phorate	.04	UG/L	ND	NR	NR	ND	NR
Ronnel	.03	UG/L	ND	NR	NR	ND	NR
Stirophos	.03	UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04	UG/L	ND	NR	NR	ND	NR
Tokuthion	.06	UG/L	ND	NR	NR	ND	NR
Trichloronate	.04	UG/L	ND	NR	NR	ND	NR

ND=not detected
NR=not required

POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
Organophosphorus Pesticides

Annual 2010

Analyte	MDL	Units	PLR 05-OCT-2010 P533510	MBC_COMBCN 04-MAY-2010 P515405	MBC_COMBCN 05-OCT-2010 P533520	MBC_NC_DSL 04-MAY-2010 P515459	MBC_NC_DSL 05-OCT-2010 P533574
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
Bolstar	.07	UG/L	NR	ND	NR	ND	NR
Chlorpyrifos	.03	UG/L	ND	ND	ND	ND	ND
Coumaphos	.15	UG/L	ND	ND	ND	ND	ND
Dibrom	.2	UG/L	NR	ND	NR	ND	NR
Dichlofenthion	.03	UG/L	NR	ND	NR	ND	NR
Dichlorvos	.05	UG/L	ND	ND	ND	ND	ND
Dimethoate	.04	UG/L	ND	ND	ND	ND	ND
Disulfoton	.02	UG/L	ND	ND	ND	ND	ND
EPN	.09	UG/L	NR	ND	NR	ND	NR
Ethoprop	.04	UG/L	NR	ND	NR	ND	NR
Fensulfothion	.07	UG/L	NR	ND	NR	ND	NR
Merphos	.09	UG/L	NR	ND	NR	ND	NR
Mevinphos, e isomer	.05	UG/L	NR	ND	NR	ND	NR
Mevinphos, z isomer	.3	UG/L	NR	ND	NR	ND	NR
Phorate	.04	UG/L	NR	ND	NR	ND	NR
Ronnel	.03	UG/L	NR	ND	NR	ND	NR
Stirophos	.03	UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04	UG/L	NR	ND	NR	ND	NR
Tokuthion	.06	UG/L	NR	ND	NR	ND	NR
Trichloronate	.04	UG/L	NR	ND	NR	ND	NR

ND=not detected
NR=not required

POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
Organophosphorus Pesticides

Annual 2010

Analyte	MDL	Units	MBC_NC_RSL 04-MAY-2010 P515457	MBC_NC_RSL 05-OCT-2010 P533572	RAW COMP 04-MAY-2010 P515430	RAW COMP 05-OCT-2010 P533545	DIG COMP 04-MAY-2010 P515444
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
Bolstar	.07	UG/L	ND	NR	ND	NR	ND
Chlorpyrifos	.03	UG/L	ND	ND	ND	ND	ND
Coumaphos	.15	UG/L	ND	ND	ND	ND	ND
Dibrom	.2	UG/L	ND	NR	ND	NR	ND
Dichlofenthion	.03	UG/L	ND	NR	ND	NR	ND
Dichlorvos	.05	UG/L	ND	ND	ND	ND	ND
Dimethoate	.04	UG/L	ND	ND	ND	ND	ND
Disulfoton	.02	UG/L	ND	ND	ND	ND	ND
EPN	.09	UG/L	ND	NR	ND	NR	ND
Ethoprop	.04	UG/L	ND	NR	ND	NR	ND
Fensulfothion	.07	UG/L	ND	NR	ND	NR	ND
Merphos	.09	UG/L	ND	NR	ND	NR	ND
Mevinphos, e isomer	.05	UG/L	ND	NR	ND	NR	ND
Mevinphos, z isomer	.3	UG/L	ND	NR	ND	NR	ND
Monocrotophos		UG/L	NR	NR	NR	NR	NR
Phorate	.04	UG/L	ND	NR	ND	NR	ND
Ronnel	.03	UG/L	ND	NR	ND	NR	ND
Stirophos	.03	UG/L	ND	ND	ND	ND	ND
Sulfotepp	.04	UG/L	ND	NR	ND	NR	ND
Tokuthion	.06	UG/L	ND	NR	ND	NR	ND
Trichloronate	.04	UG/L	ND	NR	ND	NR	ND

ND=not detected
NR=not required

POINT LOMA WASTEWATER TREATMENT PLANT / METROBIOSOLIDS CENTER
Organophosphorus Pesticides

Annual 2010

Analyte	MDL	Units	DIG COMP 05-OCT-2010 P533559
Demeton O	.15	UG/L	ND
Demeton S	.08	UG/L	ND
Diazinon	.03	UG/L	ND
Guthion	.15	UG/L	ND
Malathion	.03	UG/L	ND
Parathion	.03	UG/L	ND
Thiophosphorus Pesticides	.15	UG/L	0.0
Demeton -O, -S	.15	UG/L	0.0
Total Organophosphorus Pesticides	.3	UG/L	0.0
Chlorpyrifos	.03	UG/L	ND
Coumaphos	.15	UG/L	ND
Dichlorvos	.05	UG/L	ND
Dimethoate	.04	UG/L	ND
Disulfoton	.02	UG/L	ND
Stirophos	.03	UG/L	ND

ND=not detected
NR=not required

POINT LOMA WASTEWATER TREATMENT PLANT
From 01-JAN-2010 To 31-DEC-2010
ANUUAL SLUDGE
Base/Neutrals

Analyte	MDL	Units	MBCDEWCN 28-FEB-2010 P510362	MBCDEWCN 31-MAY-2010 P520669	MBCDEWCN 31-AUG-2010 P532026	MBCDEWCN 31-OCT-2010 P539387
Acenaphthene	330	UG/KG	ND	ND	ND	ND
Acenaphthylene	330	UG/KG	ND	ND	ND	ND
Anthracene	330	UG/KG	ND	ND	ND	ND
Benzidine	330	UG/KG	ND	ND	ND	ND
3,4-benzo(B)fluoranthene	330	UG/KG	ND	ND	ND	ND
Benzo[K]fluoranthene	330	UG/KG	ND	ND	ND	ND
Benzo[A]anthracene	330	UG/KG	ND	ND	ND	ND
Benzo[A]pyrene	330	UG/KG	ND	ND	ND	ND
Benzo[G,H,I]perylene	330	UG/KG	ND	ND	ND	ND
4-bromophenyl phenyl ether	330	UG/KG	ND	ND	ND	ND
bis(2-chloroethoxy)methane	330	UG/KG	ND	ND	ND	ND
bis(2-chloroethyl) ether	330	UG/KG	ND	ND	ND	ND
Bis-(2-chloroisopropyl) ether	330	UG/KG	ND	ND	ND	ND
4-chlorophenyl phenyl ether	330	UG/KG	ND	ND	ND	ND
2-chloronaphthalene		UG/KG	ND	ND	ND	ND
Chrysene	330	UG/KG	ND	ND	ND	ND
Dibenzo(A,H)anthracene	330	UG/KG	ND	ND	ND	ND
Butyl benzyl phthalate	330	UG/KG	1700	2670	ND	ND
Di-n-butyl phthalate	330	UG/KG	ND	ND	ND	ND
Bis-(2-ethylhexyl) phthalate	330	UG/KG	77000	94700	81700	93000
Diethyl phthalate	330	UG/KG	ND	ND	ND	ND
Dimethyl phthalate	330	UG/KG	ND	ND	ND	ND
Di-n-octyl phthalate	330	UG/KG	ND	ND	ND	ND
3,3-dichlorobenzidine	330	UG/KG	ND	ND	ND	ND
2,4-dinitrotoluene	330	UG/KG	ND	ND	ND	ND
2,6-dinitrotoluene	330	UG/KG	ND	ND	ND	ND
1,2-diphenylhydrazine		UG/KG	ND	ND	ND	ND
Fluoranthene	330	UG/KG	ND	ND	ND	ND
Fluorene	330	UG/KG	ND	ND	ND	ND
Hexachlorobenzene	330	UG/KG	ND	ND	ND	ND
Hexachlorobutadiene	330	UG/KG	ND	ND	ND	ND
Hexachlorocyclopentadiene	330	UG/KG	ND	ND	ND	ND
Hexachloroethane	330	UG/KG	ND	ND	ND	ND
Indeno(1,2,3-CD)pyrene	330	UG/KG	ND	ND	ND	ND
Isophorone	330	UG/KG	ND	ND	ND	ND
Naphthalene	330	UG/KG	ND	435	577	434
Nitrobenzene	330	UG/KG	ND	ND	ND	ND
N-nitrosodimethylamine	330	UG/KG	ND	ND	ND	ND
N-nitrosodi-n-propylamine	330	UG/KG	ND	ND	ND	ND
N-nitrosodiphenylamine	330	UG/KG	ND	ND	ND	ND
Phenanthrene	330	UG/KG	527	500	982	ND
Pyrene	330	UG/KG	ND	ND	ND	ND
1,2,4-trichlorobenzene	330	UG/KG	ND	ND	ND	ND
PolyNuc. Aromatic Hydrocarbons	330	UG/KG	527	500	982	0
Base/Neutral Compounds	330	UG/KG	79227	98305	83259	93434
Dichlorobenzenes	330	UG/KG	0	0	0	0
Benzo[e]pyrene		UG/KG	ND	ND	ND	ND
Biphenyl		UG/KG	ND	ND	171	414
2,6-dimethylnaphthalene		UG/KG	1680	2050	2180	2550
1-methylnaphthalene		UG/KG	ND	ND	948	862
1-methylphenanthrene		UG/KG	ND	ND	ND	ND
2-methylnaphthalene		UG/KG	864	1000	1330	1060
2,3,5-trimethylnaphthalene		UG/KG	ND	ND	ND	ND
Perylene	330	UG/KG	ND	ND	ND	ND
1,3-dichlorobenzene	330	UG/KG	ND	ND	ND	ND
1,2-dichlorobenzene	330	UG/KG	ND	ND	ND	ND
1,4-dichlorobenzene	330	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-2010 To 31-DEC-2010

Analyte	MDL	Units	MBCDEWCN 28-FEB-2010 P510362	MBCDEWCN 31-MAY-2010 P520669	MBCDEWCN 31-AUG-2010 P532026	MBCDEWCN 31-OCT-2010 P539387	Average
2-chlorophenol	330	UG/KG	ND	ND	ND	ND	ND
4-chloro-3-methylphenol	330	UG/KG	ND	337	ND	ND	84
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-nitrophenol	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	5270	6380	5240	18200	8773
2,4,6-trichlorophenol	330	UG/KG	ND	ND	ND	ND	ND
Total Chlorinated Phenols	800	UG/KG	0	337	0	0	84
Total Non-Chlorinated Phenols	800	UG/KG	6627	7860	7330	29900	12929
Phenols	800	UG/KG	6627	8197	7330	29900	13014
Additional Analytes Determined;							
2-methylphenol	330	UG/KG	584	ND	ND	ND	146
3-methylphenol(4-MP is unresolved)	330	UG/KG	NR	NR	ND	NR	ND
4-methylphenol(3-MP is unresolved)	330	UG/KG	773	1480	2090	11700	4011
2,4,5-trichlorophenol	800	UG/KG	ND	ND	ND	ND	ND
Phenols average	800	UG/KG	479	611	476	1655	805

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables

From 01-JAN-2010 To 31-DEC-2010

Analyte	MDL	Units	MBCDEWCN 31-JAN-2010 P506299	MBCDEWCN 28-FEB-2010 P510362	MBCDEWCN 31-MAR-2010 P513379	MBCDEWCN 30-APR-2010 P517195	MBCDEWCN 31-MAY-2010 P520669	MBCDEWCN 30-JUN-2010 P523955
Acrolein	6.4	UG/KG	ND	ND	ND	ND	ND	ND
Acrylonitrile	3.9	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	2.1	UG/KG	ND	ND	ND	ND	ND	4
Bromodichloromethane	2.2	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	2.4	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	6.9	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	3	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/KG	4	3	ND	ND	3	4
Chloroethane	3.6	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	2.3	UG/KG	ND	ND	ND	ND	ND	ND
Chloromethane	3.4	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2.4	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.5	UG/KG	9	10	10	10	11	ND
1,3-dichlorobenzene	1.8	UG/KG	ND	4	3	ND	3	5
1,4-dichlorobenzene	1.5	UG/KG	79	78	96	100	114	162
Dichlorodifluoromethane	5.56	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1.9	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	3.6	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	3.5	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	2.6	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	2.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	2.1	UG/KG	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.4	UG/KG	225	244	643	438	203	221
Methylene chloride	3.5	UG/KG	45	9	20	13	42	61
1,1,2,2-tetrachloroethane	5.9	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2.8	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	1.2	UG/KG	46	39	62	67	48	69
1,1,1-trichloroethane	3.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	2.8	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	2.6	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	2.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	4.8	UG/KG	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Compounds	6.9	UG/KG	0	0	0	0	0	0
Purgeable Compounds	6.9	UG/KG	408	387	834	628	424	526
Acetone	31.4	UG/KG	20400	15700	23400	20100	35200	29600
Allyl chloride	3.6	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	4.3	UG/KG	45	59	111	68	57	856
2-butanone	36.3	UG/KG	4510	3790	4830	5300	8380	6800
Carbon disulfide	4.7	UG/KG	128	71	110	138	170	140
Chloroprene	3.1	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	2.5	UG/KG	ND	ND	ND	ND	ND	ND
Isopropylbenzene	1.3	UG/KG	62	20	23	20	20	60
Methyl Iodide	3.8	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	2.4	UG/KG	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	3.4	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane	45.8	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	1.9	UG/KG	48	52	58	50	50	105
Styrene	1.7	UG/KG	37	44	110	83	34	50
1,2,4-trichlorobenzene	2.5	UG/KG	ND	ND	ND	ND	ND	ND
meta,para xylenes	4.2	UG/KG	96	104	113	92	92	186
2-chloroethylvinyl ether	5.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromofluoromethane		UG/KG	836	877	930	920	941	907
4-methyl-2-pentanone	9.7	UG/KG	24	18	53	26	26	31

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables

From 01-JAN-2010 To 31-DEC-2010

Analyte	MDL	Units	MBCDEWCN 31-JUL-2010 P528411	MBCDEWCN 31-AUG-2010 P532026	MBCDEWCN 30-SEP-2010 P536066	MBCDEWCN 31-OCT-2010 P539387	MBCDEWCN 30-NOV-2010 P543490	MBCDEWCN 31-DEC-2010 P547247
Acrolein	6.4	UG/KG	ND	ND	ND	ND	ND	ND
Acrylonitrile	3.9	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	2.1	UG/KG	4	ND	ND	ND	ND	6
Bromodichloromethane	2.2	UG/KG	ND	ND	ND	ND	ND	ND
Bromoform	2.4	UG/KG	ND	ND	ND	ND	ND	ND
Bromomethane	6.9	UG/KG	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	3	UG/KG	ND	ND	ND	ND	ND	ND
Chlorobenzene	1	UG/KG	6	ND	ND	ND	ND	2
Chloroethane	3.6	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	2.3	UG/KG	13	ND	ND	ND	ND	ND
Chloromethane	3.4	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	2.4	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	1.5	UG/KG	19	15	20	22	17	13
1,3-dichlorobenzene	1.8	UG/KG	6	ND	3	ND	ND	3
1,4-dichlorobenzene	1.5	UG/KG	171	212	194	265	238	257
Dichlorodifluoromethane	5.56	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	1.9	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	3.6	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	3.5	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	2.6	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	2.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	2.1	UG/KG	ND	ND	ND	ND	ND	ND
Ethylbenzene	1.4	UG/KG	155	129	104	124	128	157
Methylene chloride	3.5	UG/KG	102	13	56.3*	10	137	19
1,1,2,2-tetrachloroethane	5.9	UG/KG	ND	ND	ND	ND	ND	ND
Tetrachloroethene	2.8	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	1.2	UG/KG	59	54	54	48	54	68
1,1,1-trichloroethane	3.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	2.8	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	2.6	UG/KG	<3	ND	ND	ND	ND	ND
Trichlorofluoromethane	2.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	4.8	UG/KG	ND	ND	ND	ND	ND	ND
Halomethane Purgeable Compounds	6.9	UG/KG	13	0	0	0	0	0
Purgeable Compounds	6.9	UG/KG	535	423	375	469	574	525
Acetone	31.4	UG/KG	47500	33900	18800	29300	27300	36600
Allyl chloride	3.6	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	4.3	UG/KG	188	109	97	ND	ND	ND
2-butanone	36.3	UG/KG	9630	8250	9030	7220	7670	7900
Carbon disulfide	4.7	UG/KG	149	113	121	210	100	220
Chloroprene	3.1	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dibromoethane	2.5	UG/KG	<3	ND	ND	ND	ND	ND
Isopropylbenzene	1.3	UG/KG	26	23	17	70	50	51
Methyl Iodide	3.8	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	2.4	UG/KG	ND	ND	ND	ND	ND	ND
Methyl tert-butyl ether	3.4	UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane	45.8	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	1.9	UG/KG	52	52	50	48	44	49
Styrene	1.7	UG/KG	30	223	34	48	87	34
1,2,4-trichlorobenzene	2.5	UG/KG	26	8	ND	10	10	ND
meta,para xylenes	4.2	UG/KG	100	86	96	87	78	91
2-chloroethylvinyl ether	5.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromofluoromethane		UG/KG	1330	1510	945	903	854	822
4-methyl-2-pentanone	9.7	UG/KG	34	10	142	50	17	41

* = Did not meet Quality control criteria for method blank. Methylene chloride detected in method blank at 20.8 ug/kg.

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

POINT LOMA WASTEWATER TREATMENT PLANT
ANNUAL SLUDGE Purgeables

From 01-JAN-2010 To 31-DEC-2010

Analyte	MDL	Units	Average
Acrolein	6.4	UG/KG	ND
Acrylonitrile	3.9	UG/KG	ND
Benzene	2.1	UG/KG	1
Bromodichloromethane	2.2	UG/KG	ND
Bromoform	2.4	UG/KG	ND
Bromomethane	6.9	UG/KG	ND
Carbon tetrachloride	3	UG/KG	ND
Chlorobenzene	1	UG/KG	2
Chloroethane	3.6	UG/KG	ND
Chloroform	2.3	UG/KG	1
Chloromethane	3.4	UG/KG	ND
Dibromochloromethane	2.4	UG/KG	ND
1,2-dichlorobenzene	1.5	UG/KG	13
1,3-dichlorobenzene	1.8	UG/KG	2
1,4-dichlorobenzene	1.5	UG/KG	164
Dichlorodifluoromethane	5.56	UG/KG	ND
1,1-dichloroethane	1.9	UG/KG	ND
1,2-dichloroethane	3.6	UG/KG	ND
1,1-dichloroethene	5	UG/KG	ND
trans-1,2-dichloroethene	3.5	UG/KG	ND
1,2-dichloropropane	2.6	UG/KG	ND
cis-1,3-dichloropropene	2.5	UG/KG	ND
trans-1,3-dichloropropene	2.1	UG/KG	ND
Ethylbenzene	1.4	UG/KG	231
Methylene chloride	3.5	UG/KG	43
1,1,2,2-tetrachloroethane	5.9	UG/KG	ND
Tetrachloroethene	2.8	UG/KG	ND
Toluene	1.2	UG/KG	56
1,1,1-trichloroethane	3.2	UG/KG	ND
1,1,2-trichloroethane	2.8	UG/KG	ND
Trichloroethene	2.6	UG/KG	0
Trichlorofluoromethane	2.2	UG/KG	ND
Vinyl chloride	4.8	UG/KG	ND
Halomethane Purgeable Compounds	6.9	UG/KG	1
Purgeable Compounds	6.9	UG/KG	509
Acetone	31.4	UG/KG	28150
Allyl chloride	3.6	UG/KG	ND
Benzyl chloride	4.3	UG/KG	133
2-butanone	36.3	UG/KG	6943
Carbon disulfide	4.7	UG/KG	139
Chloroprene	3.1	UG/KG	ND
1,2-dibromoethane	2.5	UG/KG	0
Isopropylbenzene	1.3	UG/KG	37
Methyl Iodide	3.8	UG/KG	ND
Methyl methacrylate	2.4	UG/KG	ND
Methyl tert-butyl ether	3.4	UG/KG	ND
2-nitropropane	45.8	UG/KG	ND
ortho-xylene	1.9	UG/KG	55
Styrene	1.7	UG/KG	68
1,2,4-trichlorobenzene	2.5	UG/KG	5
meta,para xylenes	4.2	UG/KG	102
2-chloroethylvinyl ether	5.5	UG/KG	ND
Dibromofluoromethane		UG/KG	981
4-methyl-2-pentanone	9.7	UG/KG	39

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

METROBIOSOLIDS CENTER
SLUDGE PROJECT - ANNUAL SUMMARY
Dioxin and Furan Analysis, SW-846 Method 8290
From 01-JAN-2010 to 31-DEC-2010

Analyzed by: Testamerica Laboratories

Analyte	MDL	Units	MBCDEWCN 31-MAY-2010 P520669
2,3,7,8-tetra CDD		NG/KG	ND
1,2,3,7,8-penta CDD		NG/KG	ND
1,2,3,4,7,8_hexa_CDD		NG/KG	ND
1,2,3,6,7,8-hexa CDD		NG/KG	ND
1,2,3,7,8,9-hexa CDD		NG/KG	ND
1,2,3,4,6,7,8-hepta CDD		NG/KG	125
octa CDD		NG/KG	1450
2,3,7,8-tetra CDF		NG/KG	4.75
1,2,3,7,8-penta CDF		NG/KG	ND
2,3,4,7,8-penta CDF		NG/KG	ND
1,2,3,4,7,8-hexa CDF		NG/KG	ND
1,2,3,6,7,8-hexa CDF		NG/KG	ND
1,2,3,7,8,9-hexa CDF		NG/KG	ND
2,3,4,6,7,8-hexa CDF		NG/KG	ND
1,2,3,4,6,7,8-hepta CDF		NG/KG	33.5
1,2,3,4,7,8,9-hepta CDF		NG/KG	ND
octa CDF		NG/KG	78.5

Analyzed by: Frontier Analytical Laboratories

Analyte	MDL	Units	MBCDEWCN 31-OCT-2010 P539387
2,3,7,8-tetra CDD	.0262	NG/KG	1.41
1,2,3,7,8-penta CDD	.0442	NG/KG	E3.89
1,2,3,4,7,8_hexa_CDD	.0486	NG/KG	E1.64
1,2,3,6,7,8-hexa CDD	.0586	NG/KG	26.90
1,2,3,7,8,9-hexa CDD	.0529	NG/KG	9.08
1,2,3,4,6,7,8-hepta CDD	.0954	NG/KG	233
octa CDD		NG/KG	1490
2,3,7,8-tetra CDF	.0205	NG/KG	4.35
1,2,3,7,8-penta CDF	.0298	NG/KG	E1.25
2,3,4,7,8-penta CDF	.0313	NG/KG	E1.11
1,2,3,4,7,8-hexa CDF	.0308	NG/KG	E2.44
1,2,3,6,7,8-hexa CDF	.0317	NG/KG	2.98
1,2,3,7,8,9-hexa CDF	.0387	NG/KG	E0.54
2,3,4,6,7,8-hexa CDF	.0341	NG/KG	E2.74
1,2,3,4,6,7,8-hepta CDF	.0418	NG/KG	28.80
1,2,3,4,7,8,9-hepta CDF	.0429	NG/KG	E1.67
octa CDF		NG/KG	83.2

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

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

Title 22 CCR Summary Tables

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

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

Definitions:
MBCDEWCN = Metro Biosolids Center dewatered sludge.

CALIFORNIA HAZARDOUS WASTE IDENTIFICATION TEST (TITLE 22)

METRO BIOSOLIDS CENTER (MBC)

METALS **WET WEIGHT Concentration (calculated)**

	TTLC	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
	Wet wt	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
ANALYTE	mg/Kg	P506299	P510362	P513379	P517195	P520669	P523955	P528411	P532026	P536066	P539387	P543490	P547247
ANTIMONY	500	0.28	0.66	0.80	0.74	0.55	0.70	0.58	0.71	0.59	0.76	0.93	0.82
ARSENIC	500	1.3	2.1	1.8	1.3	1.1	1.0	0.75	1.0	0.9	0.8	1.0	1.3
BARIUM	10000	68	84	90	100	44	63	49	59	57	58	93	56
BERYLLIUM	75	0.093	0.131	0.099	0.119	0.127	0.083	0.049	0.073	0.086	0.055	0.071	0.078
CADMIUM	100	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
CHROMIUM(VI)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM(total)	2500	18	18	22	19	21	25	17	18	19	23	20	17
COBALT	8000	1.1	1.1	1.6	1.5	1.5	1.2	1.7	1.4	1.5	1.8	1.5	1.2
COPPER	2500	206	192	197	201	191	177	178	193	203	209	194	179
LEAD	1000	5	5	5	5	4	5	5	5	5	5	5	4
MERCURY	20	0.43	0.54	0.63	0.52	0.33	0.41	0.54	0.34	0.39	0.44	0.20	0.53
MOLYBDENUM	3500	5.8	5.0	5.8	5.3	5.2	6.8	6.3	6.2	6.4	7.2	6.9	5.6
NICKEL	2000	17	20	25	19	19	25	23	22	25	24	17	14
SELENIUM	100	1.7	1.6	1.8	1.8	1.6	1.7	1.7	1.7	1.7	1.3	1.1	1.8
SILVER	500	1	2	2	2	2	2	2	2	2	2	2	2
THALLIUM	700	< 0.28	< 0.29	< 0.28	< 0.28	0.19	0.15	< 0.27	< 0.28	< 0.27	0.18	< 0.58	0.55
VANADIUM	2400	7	7	8	8	7	7	6	6	5	6	6	7
ZINC	5000	262	257	262	270	259	257	246	268	254	260	259	259
FLUORIDE	18000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SULFIDES-REACTIVE	NA	< 3	< 3	2	< 3	< 3	< 3	3	5	4	< 3	< 3	< 3
SULFIDES-TOTAL	NA	3511	1901	3081	3476	1979	3379	3302	3767	8362	3410	3007	2478
TOTAL SOLIDS (%)		28.2	29.0	28.4	27.7	27.6	27.7	27.4	27.9	26.8	27.5	28.5	28.8

DRY WEIGHT Concentration

	TTLC	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
	Wet wt	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
ANALYTE	mg/Kg	P506299	P510362	P513379	P517195	P520669	P523955	P528411	P532026	P536066	P539387	P543490	P547247
ANTIMONY	500	1.0	2.3	2.8	2.7	2.0	2.5	2.1	2.5	2.2	2.8	3.3	2.8
ARSENIC	500	4.5	7.3	6.2	4.7	4.0	3.6	2.7	3.5	3.4	2.9	3.4	4.4
BARIUM	10000	242	290	319	360	161	229	178	211	215	210	326	196
BERYLLIUM	75	0.3	0.5	0.35	0.4	0.5	0.30	0.18	0.26	0.32	0.2	0.3	0.27
CADMIUM	100	1.4	1.5	1.7	1.5	1.4	1.5	1.3	1.3	1.4	1.5	1.5	1.3
CHROMIUM(VI)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM(total)	2500	64.7	63.5	76.4	69	76.7	89.1	61.5	65.3	72.4	83.9	68.5	58.5
COBALT	8000	3.9	3.8	5.7	5.2	5.3	4.3	6.2	5.0	5.7	6.4	5.2	4.1
COPPER	2500	729	663	694.5	725	691.5	639	649	692	756	760	679	620
LEAD	1000	16.5	16.8	18.8	17.5	15.4	17	17.5	17	17.8	18.2	15.8	14.7
MERCURY	20	1.5	1.9	2.2	1.9	1.2	1.5	2.0	1.2	1.5	1.6	0.7	1.8
MOLYBDENUM	3500	20.4	17.2	20.5	19.3	19	24.5	23.1	22.3	23.9	26.1	24.3	19.6
NICKEL	2000	61.4	70.3	86.7	69.5	68.4	90.8	84.3	77.8	92.6	87.1	59.2	49.4
SELENIUM	100	6.2	5.6	6.4	6.3	5.8	6.1	6.2	6.2	6.3	4.9	3.8	6.1
SILVER	500	5.22	7.17	7.63	7.2	7.19	6.79	5.92	6.39	6.75	7.3	6.53	6.4
THALLIUM	700	< 1	< 1	< 1	< 1	0.7	0.55	< 1	< 1	< 1	0.65	< 2.05	1.9
VANADIUM	2400	23.6	25	29.1	27.9	24.5	23.8	22.5	19.8	19.2	21.0	21.0	22.7
ZINC	5000	930	887	922	975	940	926	896	960	949	945	908	900
FLUORIDE	18000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SULFIDES-REACTIVE	NA	< 11	< 11	8	< 11	< 11	< 11	11	18	16	< 11	< 11	< 11
SULFIDES-TOTAL	NA	12450	6555	10850	12550	7170	12200	12050	13500	31200	12400	10550	8605

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-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
ANALYTE	mg/Kg	P506299	P510362	P513379	P517195	P520669	P523955	P528411	P532026	P536066	P539387	P543490	P547247
ALDRIN	1.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLORDANE	2.5	nd	nd	0.012	nd	0.033	0.037	0.037	nd	nd	0.007	0.050	nd
DDT,DDE,DDD	1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.0220	nd	0.0058
2,4-DCPAA	100	NA	NA	NA	NA	NA	NA	NA	nd	NA	NA	NA	NA
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	nd	nd	nd
METHOXYCHLOR	100	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
MIREX	21	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
PENTACHLOROPHENOL	17	NA	nd	NA	NA	nd	NA	NA	nd	NA	NA	NA	NA
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	NA
2,4,5-TCPPA	10	NA	NA	NA	NA	NA	NA	NA	nd	NA	NA	NA	NA
TOTAL SOLIDS (%)		28.2	29.0	28.4	27.7	27.6	27.7	27.4	27.9	26.8	27.5	28.5	28.8
pH	>2-<12.5	7.46	7.54	7.81	7.78	7.53	7.51	7.41	7.44	8.08	7.61	7.50	7.5

DRY WEIGHT Concentration

	TTLC	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
	Wet wt	Jan-10	Feb-10	Mar-10	Apr-10	May-10	Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10
ANALYTE	mg/Kg	P506299	P510362	P513379	P517195	P520669	P523955	P528411	P532026	P536066	P539387	P543490	P547247
ALDRIN	1.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLORDANE	2.5	nd	nd	0.043	nd	0.120	0.135	0.135	nd	nd	0.025	0.175	nd
DDT,DDE,DDD	1.0	nd	nd	nd	nd	nd	nd	nd	nd	nd	0.080	nd	0.020
2,4-DCPAA	100	NA	NA	NA	NA	NA	NA	NA	nd	NA	NA	NA	NA
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	nd	nd	nd
METHOXYCHLOR	100	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
MIREX	21	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
PENTACHLOROPHENOL	17	NA	nd	NA	NA	nd	NA	NA	nd	NA	NA	NA	NA
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	NA
2,4,5-TCPPA	10	NA	NA	NA	NA	NA	NA	NA	nd	NA	NA	NA	NA

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

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