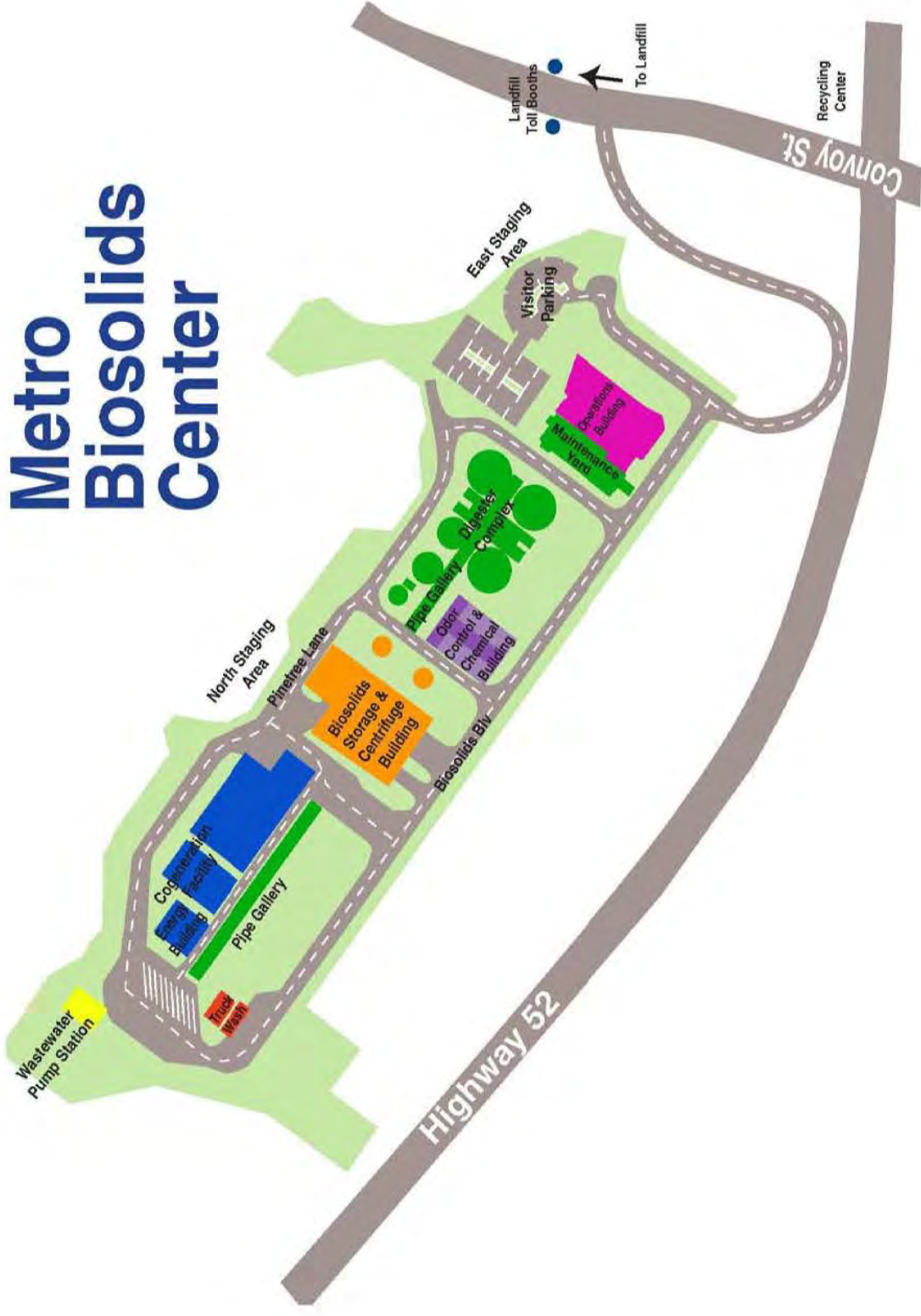


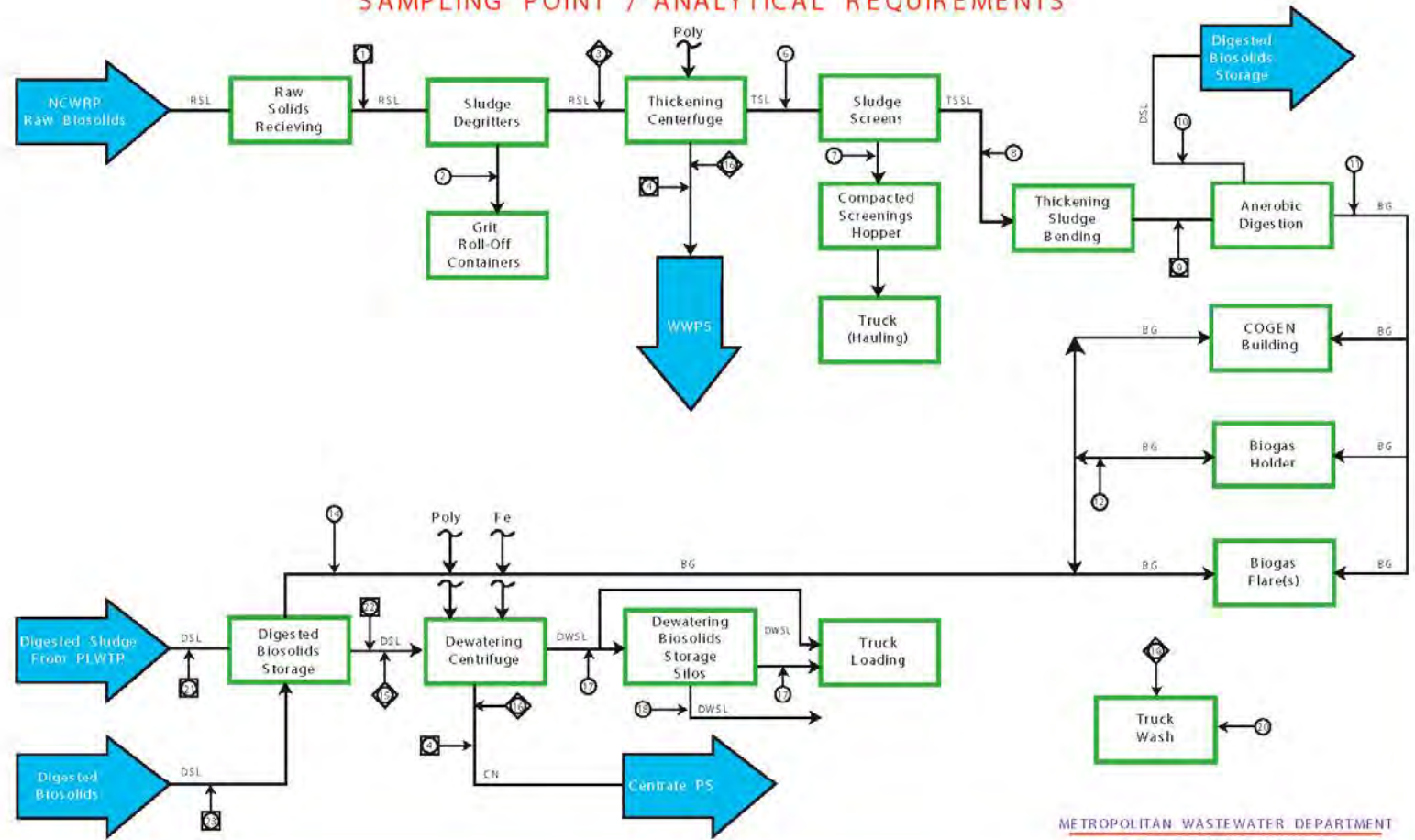
#### IV. Metro Biosolids Center (MBC) Data

- 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	LOCATION	DESCRIPTION	LOCATION	DESCRIPTION
1	Raw Solids Sampler (3 AU 9640): Volatile Solids, Total Solids, pH, Alkalinity	9	Thickened Sludge (3 AU 9050): Total Solids, Volatile Solids, Temperature, pH, Alkalinity, Volatile Acids, Iron	16	Centrate: Dewatering & Thickening Analyzers: Total Suspended Solids
2	Grit: Volatile Solids, % Moisture	10	Anaerobically Digested Sludge: % Total Solids, % Volatile Solids, Temperature, pH, Alkalinity	17	Dewatered Biosolids: Total Solids, Volatile Solids, pH, TKN, PCB, Trace Metals
3	Thickened Sludge Feed Loop (6 DE 2140): Total Solids, Volatile Solids	11	Biogas from Digestion: Methane (CH <sub>4</sub> ), Carbon Dioxide (CO <sub>2</sub> ), Hydrogen Sulfide (H <sub>2</sub> S)	18	Dewatered Biosolids Cake: Total Solids, Volatile Solids, pH, TKN, PCB, Trace Metals
4	Centrate (Dewatering & Thickening) Sampler (6 AU 3635): Total Suspended Solids, pH, BOD <sub>5</sub>	12	Biogas from Digestion: Methane (CH <sub>4</sub> ), Carbon Dioxide (CO <sub>2</sub> ), Hydrogen Sulfide (H <sub>2</sub> S)	19	Truck Wash: (57 AU 9011): CO <sub>2</sub> Residue
5	Thickened Biosolids: Total Solids, Volatile Solids, pH	13	Biogas to Biogas Holder: Methane (CH <sub>4</sub> ), Carbon Dioxide (CO <sub>2</sub> ), H <sub>2</sub> S	20	Truck Wash: BOD <sub>5</sub> , Coliform
6	Sludge Screening: Volatile Solids, % Moisture	14	Biogas from Digestion: Methane (CH <sub>4</sub> ), Carbon Dioxide (CO <sub>2</sub> )	21	Digested Sludge from PLWTP (80 AU 9009): Total Solids, Volatile Solids, pH, Iron
7	Thickened Screen Sludge: Total Sludge, Volatile Solids	15	Dewatering Centrifuge Feed Loop (6 DE 2502): Total Solids	22	Digested Sludge from DBS (80 AU 2115): Total Solids, Volatile Solids, pH
8				23	Digester Samplers: Digester #1 (30 AU 9008), Digester #2 (9007), Digester #3 (9006): Total Solids, Volatile Solids, pH, Alkalinity, Iron

Revision Date: 02/14/04

## B. Return Stream Data Summary

This section presents the results of analyses of the Metro Biosolids Center (MBC) return stream (MBC\_COMBCN) for 2007. This return stream is continuously sampled by a flow proportioned, autosampler connected to the return stream lines at MBC. Each 24-hour<sup>14</sup> 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.



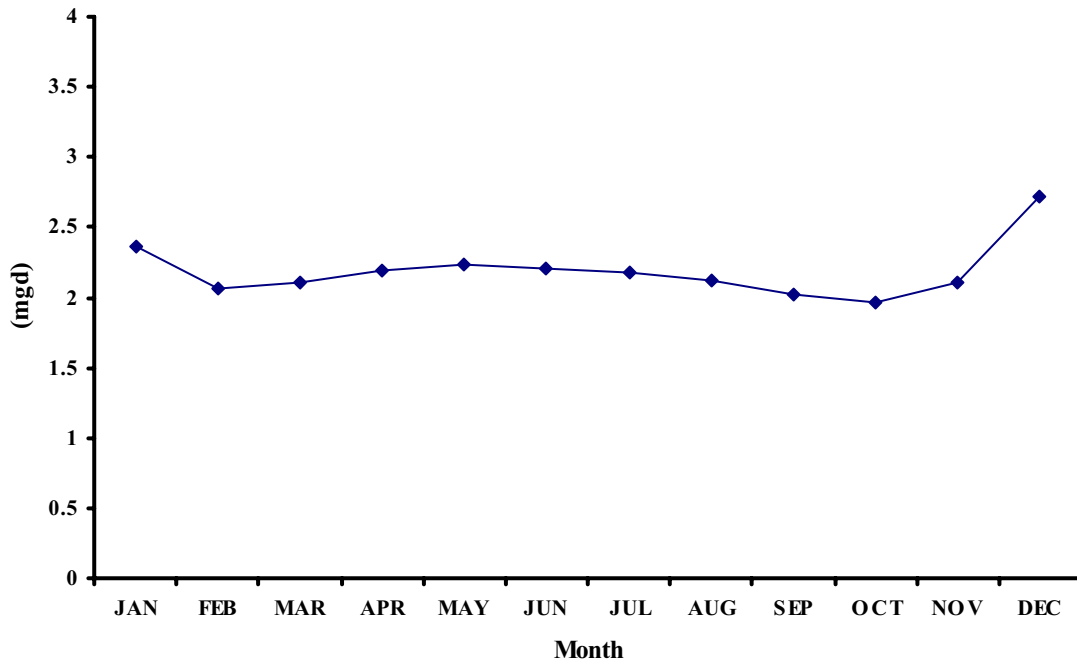
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<sup>14</sup> approximately midnight to midnight each day.

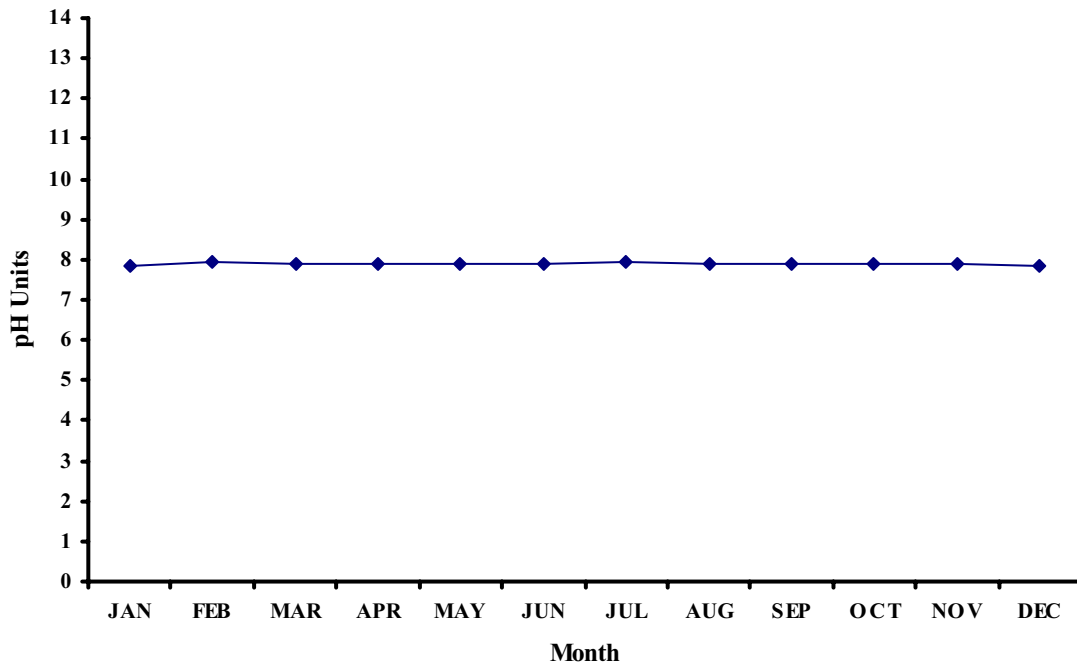
Metro Biosolids Center  
 Sluge Project - Annual Summary  
 Metro Biosolids Center Combined Sludge Centrate  
 From 01-JAN-2007 to 31-DEC-2007

	FLOW	PH	BOD	TSS	VSS	TS	TVS	TSS Mass Emmissions (lbs/Day)
	MGD	pH Units	mg/L	mg/L	mg/L	Wt%	Wt%	
JANUARY -2007	2.37	7.86	352	685	487	0.26	38	13540
FEBRUARY -2007	2.07	7.92	348	911	633	0.31	41	15727
MARCH -2007	2.11	7.87	355	778	545	0.29	42	13691
APRIL -2007	2.19	7.91	362	777	548	0.29	43	14192
MAY -2007	2.24	7.90	379	969	673	0.31	44	18102
JUNE -2007	2.20	7.89	<398	1260	869	0.34	45	23118
JULY -2007	2.18	7.94	336	1170	805	0.34	46	21272
AUGUST -2007	2.12	7.91	<348	1380	936	0.36	45	24400
SEPTEMBER-2007	2.02	7.91	361	1270	761	0.34	45	21395
OCTOBER -2007	1.97	7.87	>462	2030	1240	0.39	43	33352
NOVEMBER -2007	2.10	7.89	236	741	436	0.28	37	12978
DECEMBER -2007	2.72	7.84	312	674	448	0.27	37	15290
Average	2.19	7.89	354	1054	698	0.32	42	18921

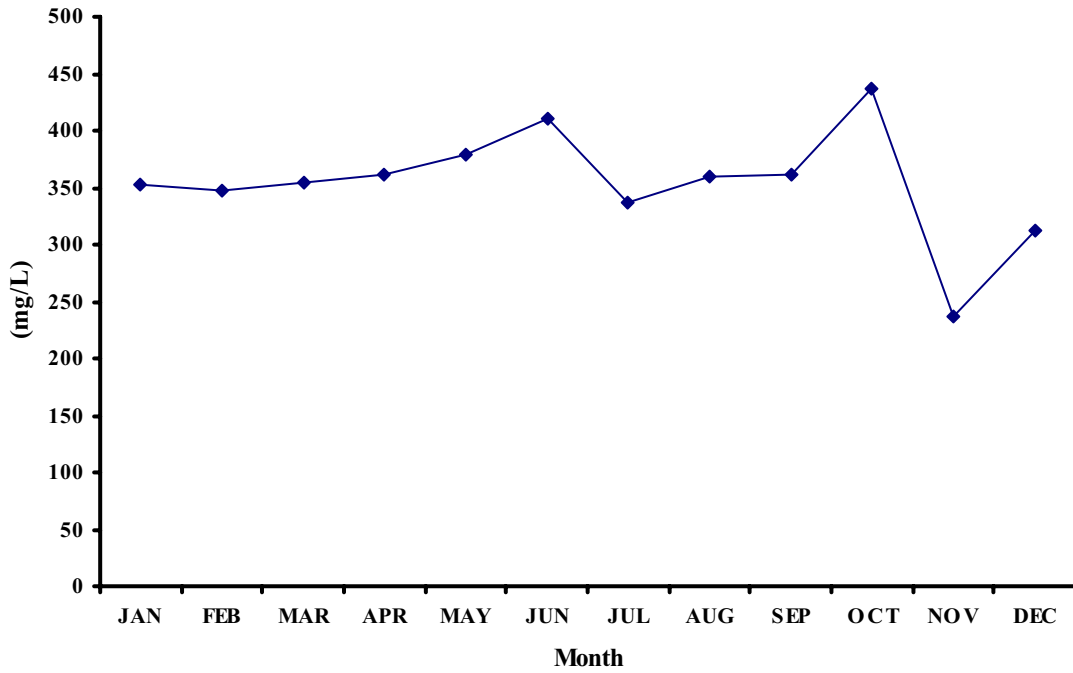
**MBC Combined Centrate  
2007 Monthly Averages - Flow (mgd)**



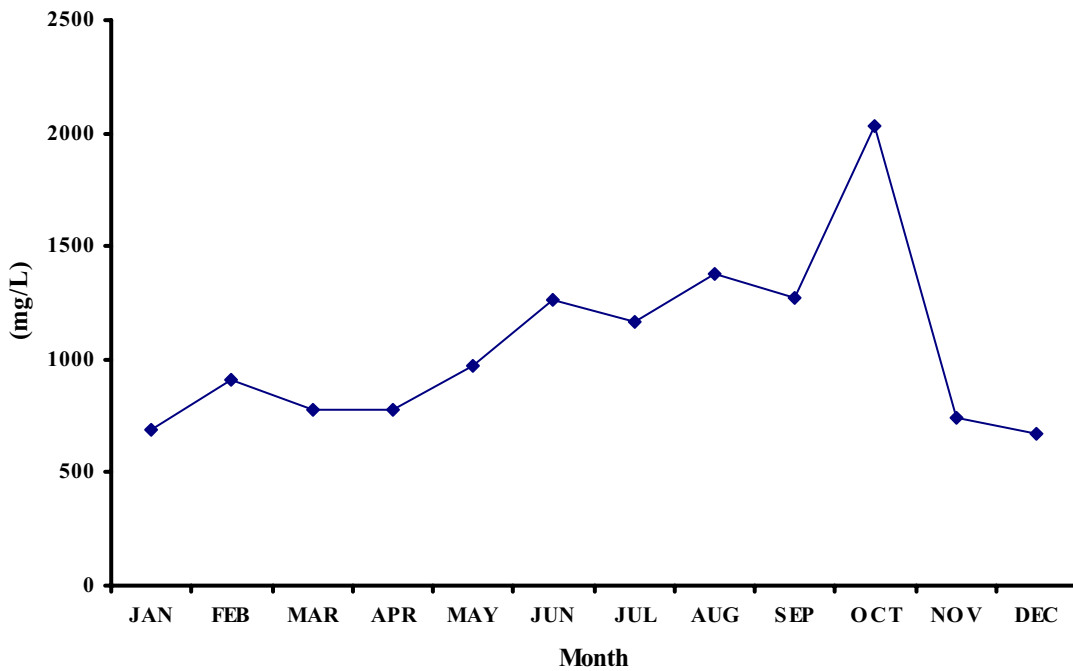
**MBC Combined Centrate  
2007 Monthly Averages - pH**



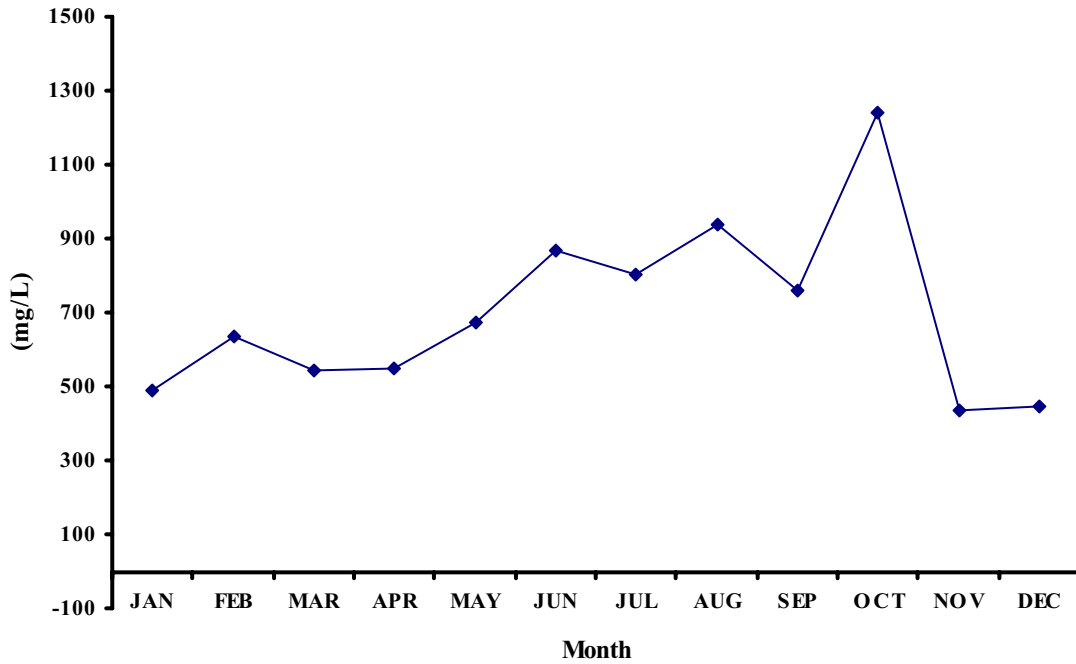
**MBC Combined Centrate  
2007 Monthly Averages - BOD (mg/L)**



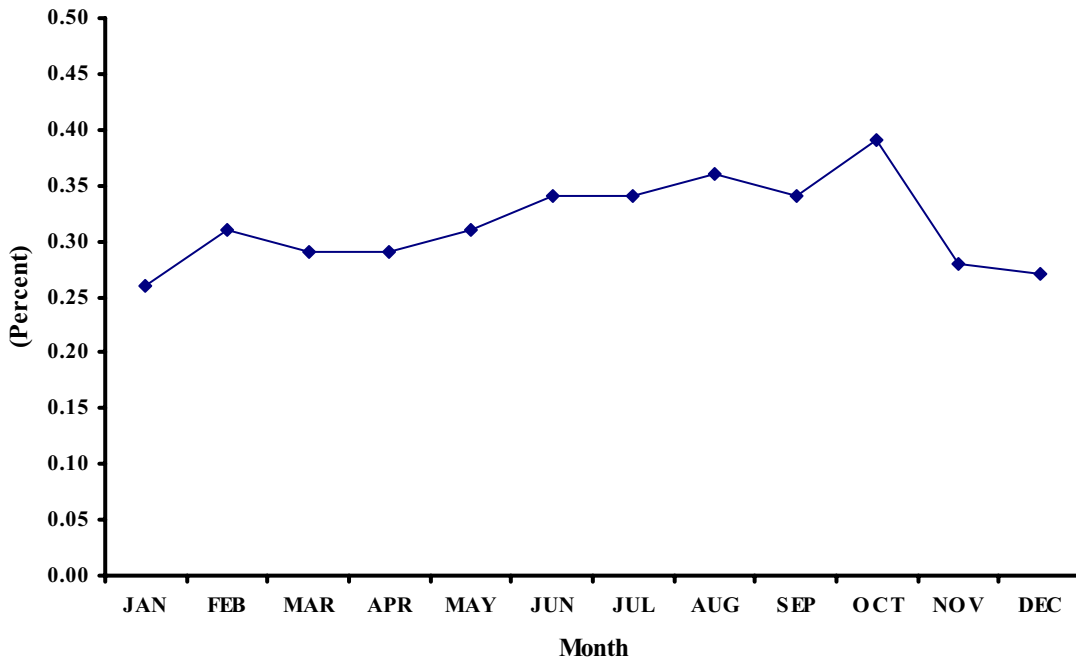
**MBC Combined Centrate  
2007 Monthly Averages - TSS (mg/L)**



**MBC Combined Centrate  
2007 Monthly Averages - VSS (mg/L)**

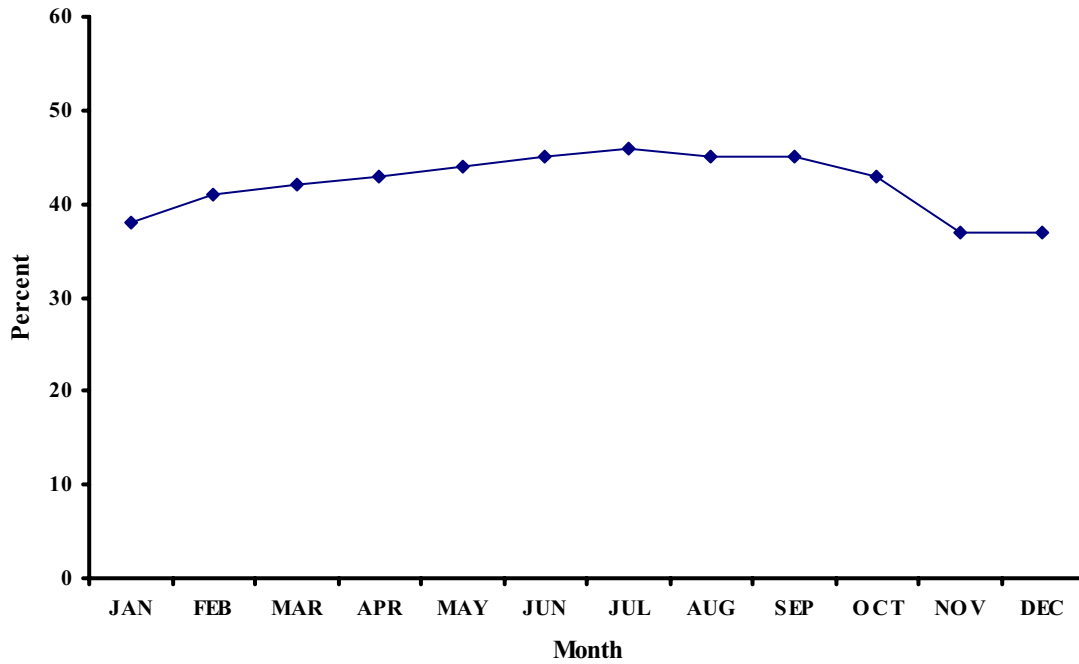


**MBC Combined Centrate  
2007 Monthly Averages - Percent TS**

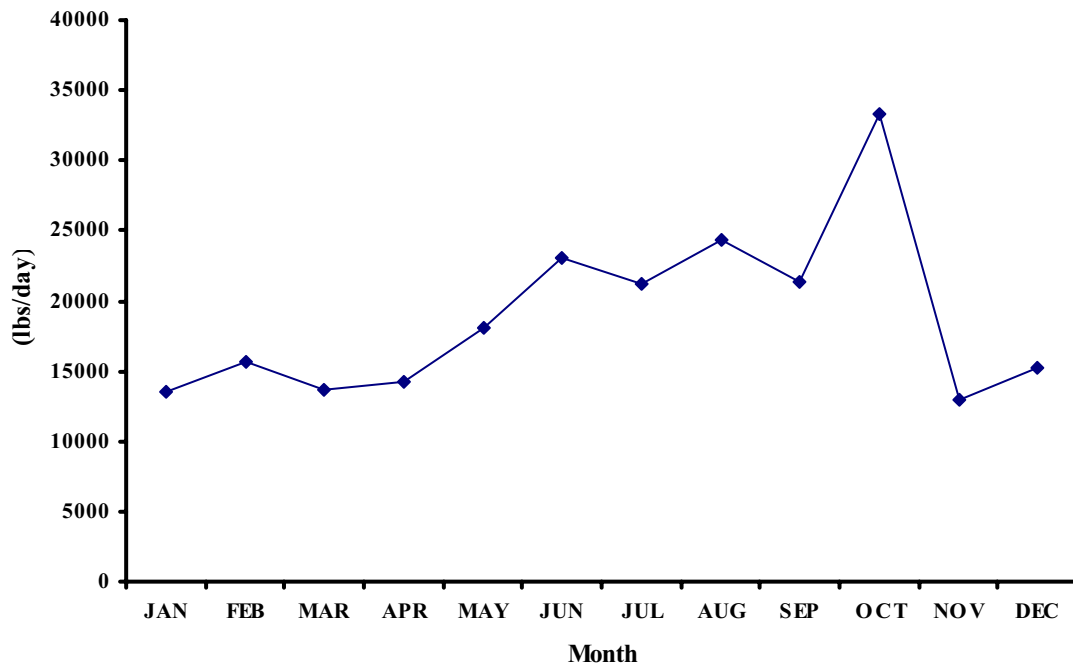




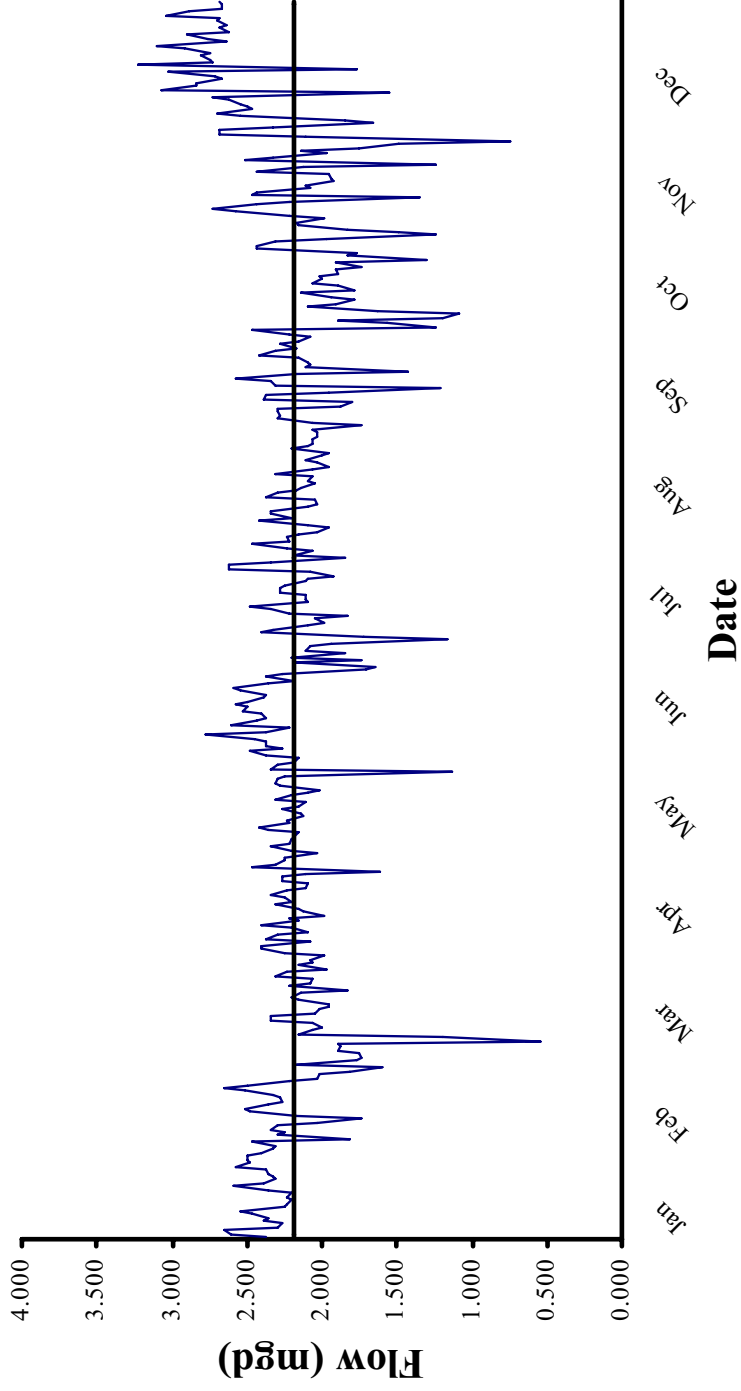
**MBC Combined Centrate  
2007 Monthly Averages - Percent TVS**



**MBC Combined Centrate  
2007 Monthly Averages - TSS Mass Emission (lbs/day)**



### 2007 MBC Return Stream Flow (mgd)



Metro Biosolids Center  
**2007 MBC Return Stream Daily Flows (mgd)**

Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2.370	2.246	1.200	2.086	2.349	2.609	1.983	2.202	2.289	1.630	2.430	2.547
2	2.601	2.336	2.160	2.202	2.414	2.432	2.041	2.349	2.288	2.095	2.215	2.626
3	2.657	2.298	2.058	2.405	2.219	2.371	1.829	2.347	1.875	1.911	1.348	2.730
4	2.292	2.024	1.992	2.154	2.240	2.398	2.214	2.090	1.804	1.776	2.464	1.544
5	2.256	1.741	2.056	2.221	2.128	2.530	2.348	2.035	2.381	1.931	2.441	3.074
6	2.380	2.174	2.347	1.987	2.136	2.500	2.485	2.041	2.375	2.145	2.082	2.835
7	2.352	2.477	2.335	2.120	2.265	2.572	2.095	2.365	1.946	1.781	2.107	2.833
8	2.466	2.513	2.044	2.154	2.151	2.501	2.108	2.302	1.209	1.887	1.920	2.674
9	2.546	2.349	2.020	2.315	2.101	2.382	2.112	2.177	2.306	2.068	1.933	2.719
10	2.248	2.261	1.953	2.201	2.310	2.378	2.273	2.137	2.347	2.001	1.953	3.017
11	2.239	2.284	1.953	2.243	2.203	2.539	2.278	2.042	2.572	2.019	2.433	1.761
12	2.209	2.326	2.156	2.343	2.097	2.585	2.247	2.089	2.169	1.894	2.127	3.223
13	2.228	2.513	2.206	2.235	2.014	2.356	2.109	2.063	1.427	1.915	1.235	2.723
14	2.201	2.648	2.139	2.114	2.282	2.179	2.085	2.313	2.113	1.742	2.506	2.748
15	2.363	2.494	1.828	2.099	2.305	2.367	1.929	2.061	2.083	1.905	2.318	2.802
16	2.590	2.214	2.214	2.266	2.298	2.265	2.083	1.949	2.093	1.306	1.966	2.746
17	2.388	2.024	2.073	2.269	2.244	1.703	2.614	2.037	2.156	1.826	2.138	2.918
18	2.312	2.021	2.060	2.114	1.135	1.644	2.619	2.102	2.416	1.760	1.751	3.107
19	2.331	1.816	2.304	1.611	2.334	2.185	2.347	1.993	2.302	2.432	1.483	2.634
20	2.357	1.602	2.237	2.466	2.293	1.743	1.849	1.946	2.177	2.437	0.737	2.752
21	2.374	2.166	1.965	2.309	2.183	2.198	2.185	2.208	2.277	2.305	2.111	2.898
22	2.572	1.761	2.160	2.244	2.157	1.850	2.059	2.092	2.161	1.971	2.690	2.625
23	2.487	1.742	2.067	2.247	2.371	2.116	2.232	2.063	2.071	1.241	2.682	2.676
24	2.492	1.745	2.080	2.038	2.488	2.070	2.466	2.064	2.214	1.484	2.328	2.629
25	2.504	1.888	1.991	2.206	2.262	1.934	2.223	2.036	2.467	1.823	1.652	2.705
26	2.407	1.881	2.247	2.335	2.380	1.156	2.235	2.039	1.244	2.162	1.850	2.689
27	2.327	1.885	2.402	2.212	2.375	1.725	2.161	2.057	1.572	2.165	2.539	3.038
28	2.314	0.543	2.402	2.205	2.445	2.404	2.027	1.731	1.895	1.977	2.703	2.884
29	2.467	2.084	2.084	2.188	2.783	2.331	1.955	2.066	1.201	2.216	2.464	2.674
30	1.819	2.372	2.372	2.160	2.369	2.096	2.101	2.299	1.085	2.577	2.495	2.671
31	2.301	2.290	2.290	2.223	2.223	2.096	2.421	2.273	1.085	2.721	2.495	2.679
Avg	2.369	2.070	2.110	2.192	2.244	2.204	2.184	2.115	2.017	1.971	2.103	2.716
Min	1.819	0.543	1.200	1.611	1.135	1.156	1.829	1.731	1.085	1.241	0.737	1.544
Max	2.657	2.648	2.402	2.466	2.783	2.609	2.619	2.365	2.572	2.721	2.703	3.223

Metro Biosolids Center

Sluge Project - Annual Summary

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

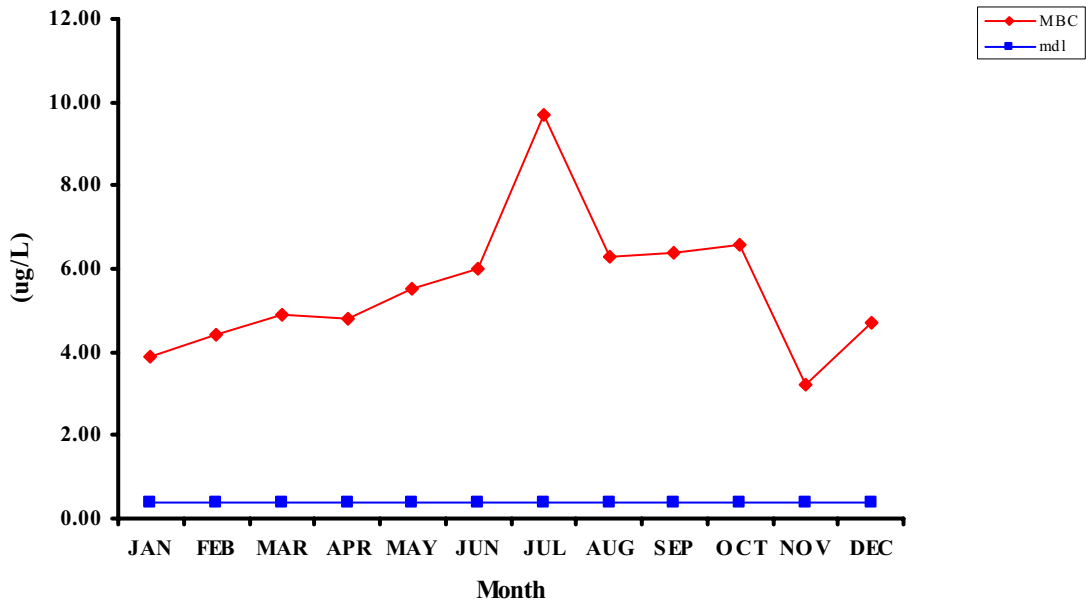
Source:		MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:		31-JAN-2007	28-FEB-2007	31-MAR-2007	30-APR-2007	31-MAY-2007	30-JUN-2007
Sample ID:		P372263	P375280	P378763	P383440	P386677	P389802
Aluminum	47 UG/L	2290	2960	2760	3230	4400	6600
Antimony	2.9 UG/L	ND	ND	3.7	ND	ND	3.8
Arsenic	.4 UG/L	3.9	4.4	4.9	4.8	5.5	6.0
Barium	.039 UG/L	181	268	239	282	383	584
Beryllium	.022 UG/L	0.05	0.11	0.09	0.08	0.10	0.94
Cadmium	.53 UG/L	ND	1.7	0.9	1.0	1.6	3.1
Chromium	1.2 UG/L	16	32	26	34	36	58
Cobalt	.85 UG/L	5.1	3.5	4.0	7.3	5.8	3.1
Copper	.63 UG/L	205	322	266	325	411	664
Iron	37 UG/L	52200	53600	44600	47700	62100	97200
Lead	2 UG/L	3	2	46	4	7	11
Manganese	.24 UG/L	469	460	448	440	378	543
Mercury	.09 UG/L	0.29	0.51	0.32	0.37	1.09	0.65
Molybdenum	.89 UG/L	8.2	11.4	10.2	11.6	14.8	21.7
Nickel	.53 UG/L	30	47	37	54	46	53
Selenium	.28 UG/L	3.37	3.66	3.94	4.35	5.22	6.75
Silver	.4 UG/L	5	6	5	5	8	14
Thallium	3.9 UG/L	ND	ND	ND	ND	ND	ND
Vanadium	.64 UG/L	12.2	9.4	5.1	5.4	10.2	14.8
Zinc	.41 UG/L	296	405	355	423	606	960

Source:		MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN	MBC_COMBCN
Date:		31-JUL-2007	30-AUG-2007	30-SEP-2007	31-OCT-2007	30-NOV-2007	31-DEC-2007
Sample ID:		P394385	P397591	P401128	P405178	P409003	P412357
Aluminum	47 UG/L	14000	7320	4830	7960	1870	1940
Antimony	2.9 UG/L	11.9	9.0	4.6	ND	3.0	ND
Arsenic	.4 UG/L	9.7	6.3	6.4	6.6	3.2	4.7
Barium	.039 UG/L	1240	568	441	628	160	175
Beryllium	.022 UG/L	1.37	0.05	ND	0.23	0.06	0.06
Cadmium	.53 UG/L	3.9	1.9	1.4	2.5	ND	ND
Chromium	1.2 UG/L	128	59	39	68	15	18
Cobalt	.85 UG/L	6.6	4.3	4.1	4.5	2.8	3.4
Copper	.63 UG/L	1460	682	494	827	176	159
Iron	37 UG/L	196000	98600	80700	128000	48300	52700
Lead	2 UG/L	34	15	7	12	5	ND
Manganese	.24 UG/L	1010	552	456	632	419	484
Mercury	.09 UG/L	1.56	0.81	0.78	0.52	0.37	0.17
Molybdenum	.89 UG/L	42.7	26.9	17.7	17.8	6.4	8.4
Nickel	.53 UG/L	105	67	58	89	25	32
Selenium	.28 UG/L	12.70	7.91	5.32	8.92	2.36	3.21
Silver	.4 UG/L	29	11	9	10	3	2
Thallium	3.9 UG/L	ND	ND	ND	ND	ND	ND
Vanadium	.64 UG/L	44.8	17.1	8.4	11.9	<0.6	1.1
Zinc	.41 UG/L	2110	977	712	1160	220	236

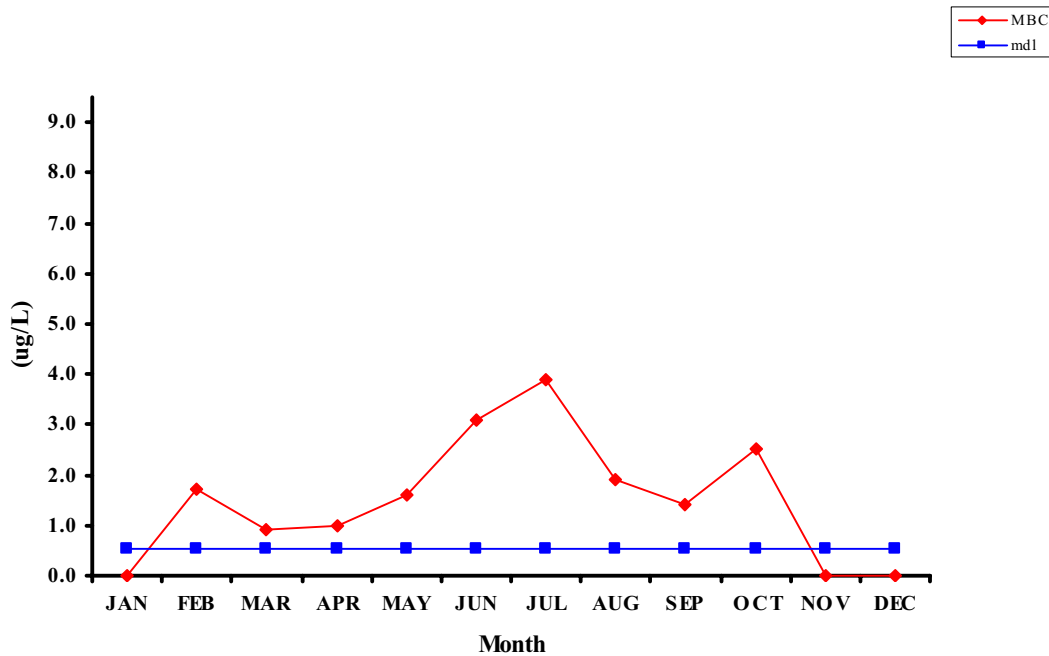
ND= Not Detected  
 NA= Not Analyzed  
 NS= Not Sampled  
 NR= Not Required

MBC\_COMBCN= Metro Biosolids Center Combined Sludge Centrate.

### Arsenic 2007 Monthly Averages

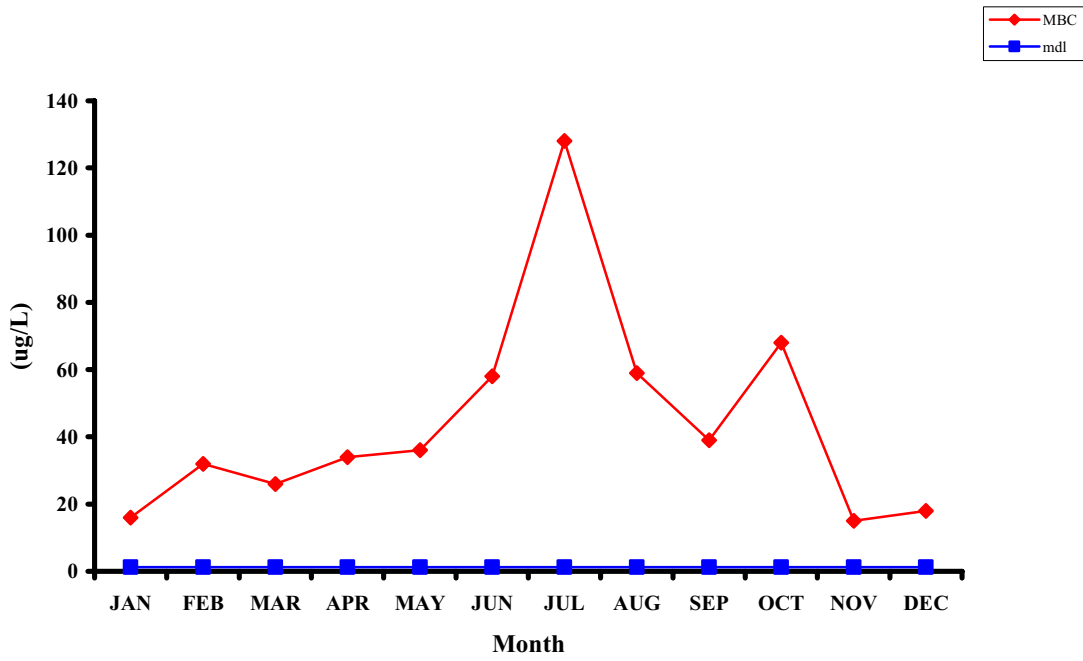


### Cadmium 2007 Monthly Averages

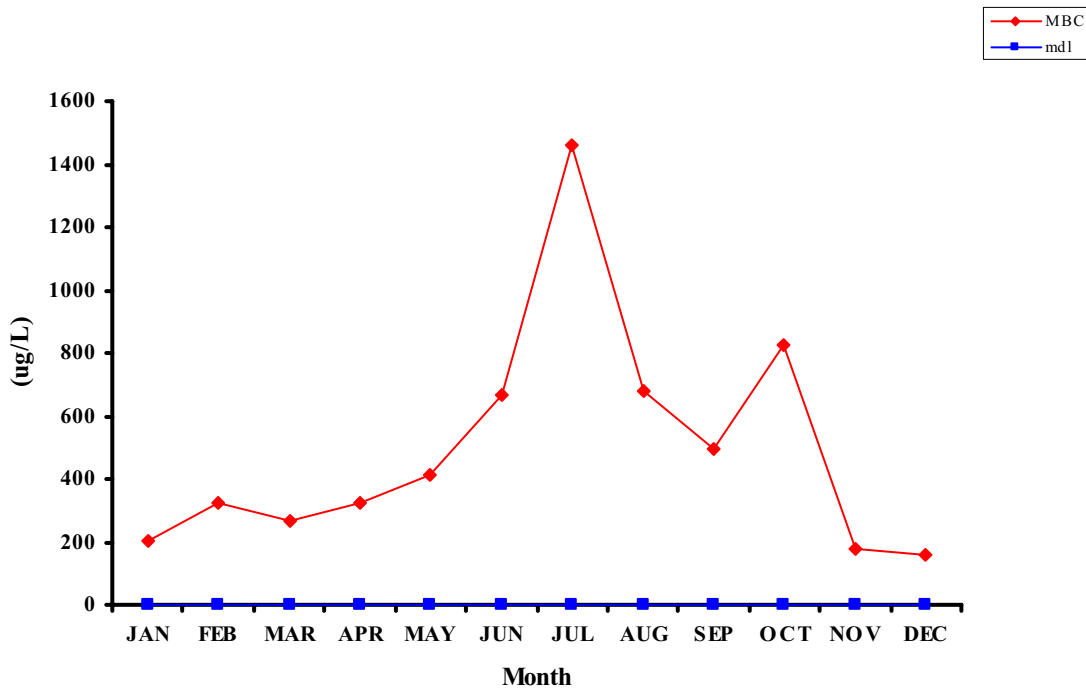


MBC = Metro Biosolids Center Combined Sludge Centrate.

### Chromium 2007 Monthly Averages

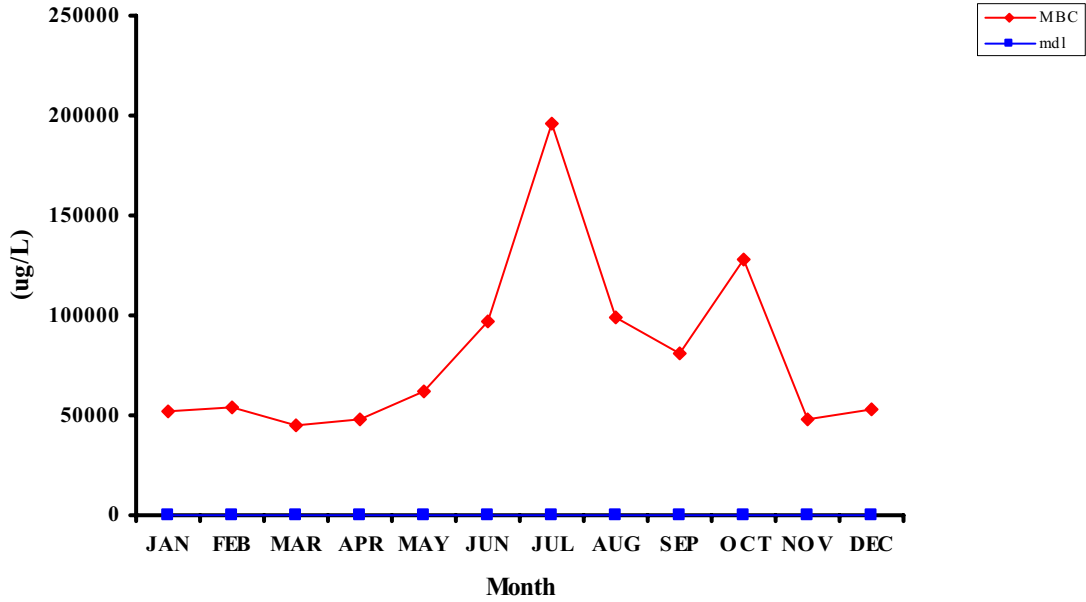


### Copper 2007 Monthly Averages

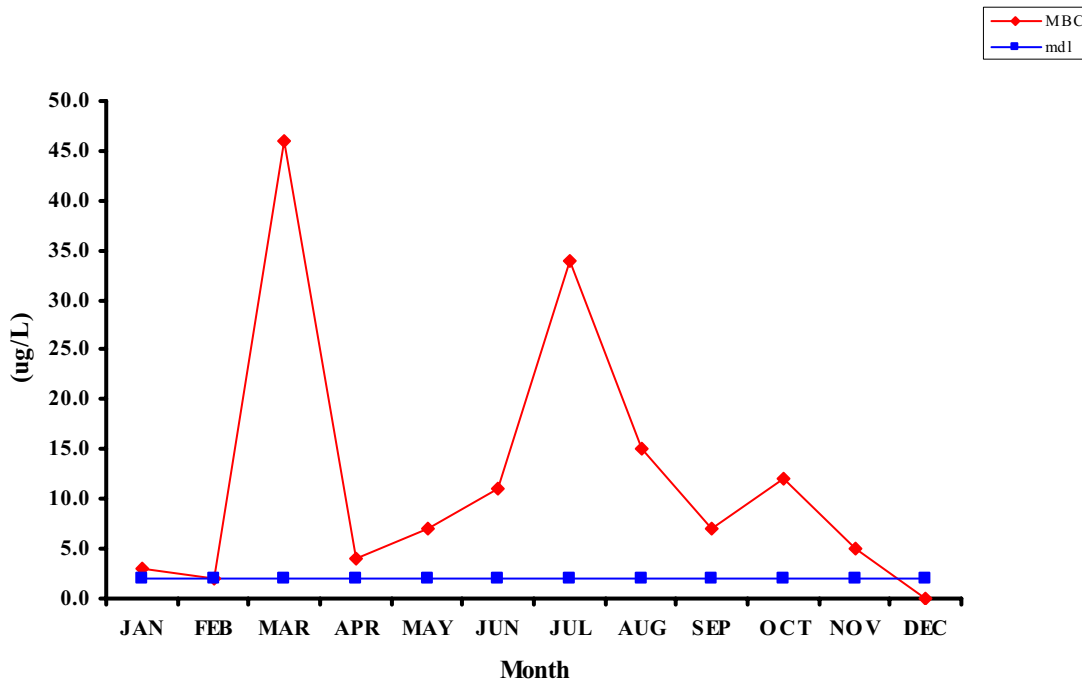


MBC = Metro Biosolids Center Combined Sludge Centrate.

## Iron 2007 Monthly Averages

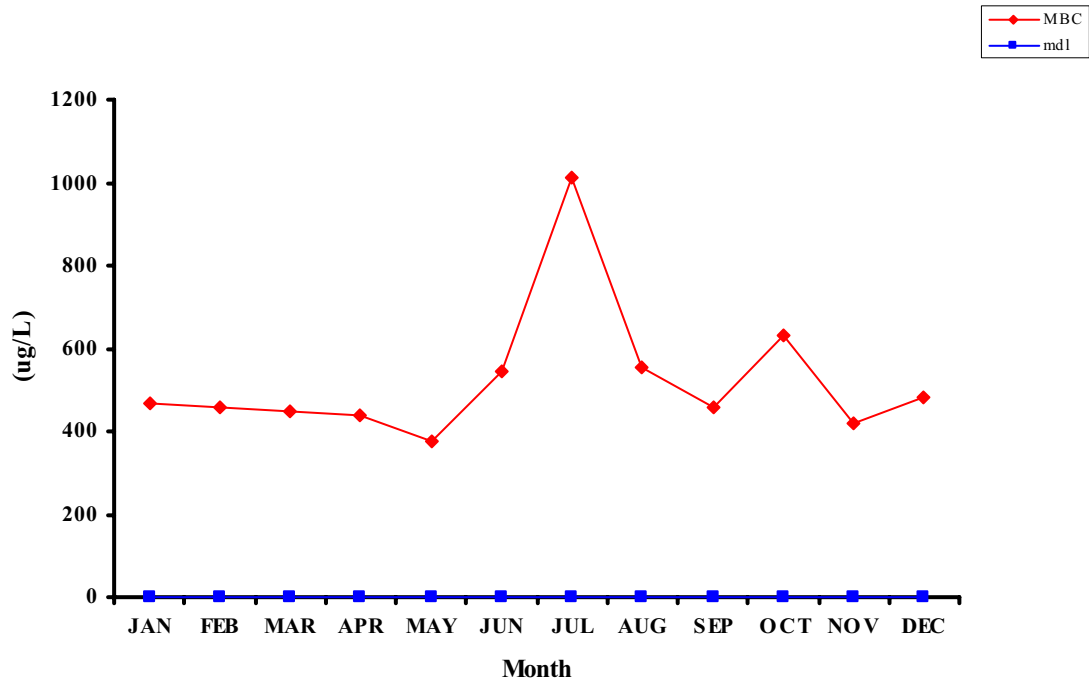


## Lead 2007 Monthly Averages

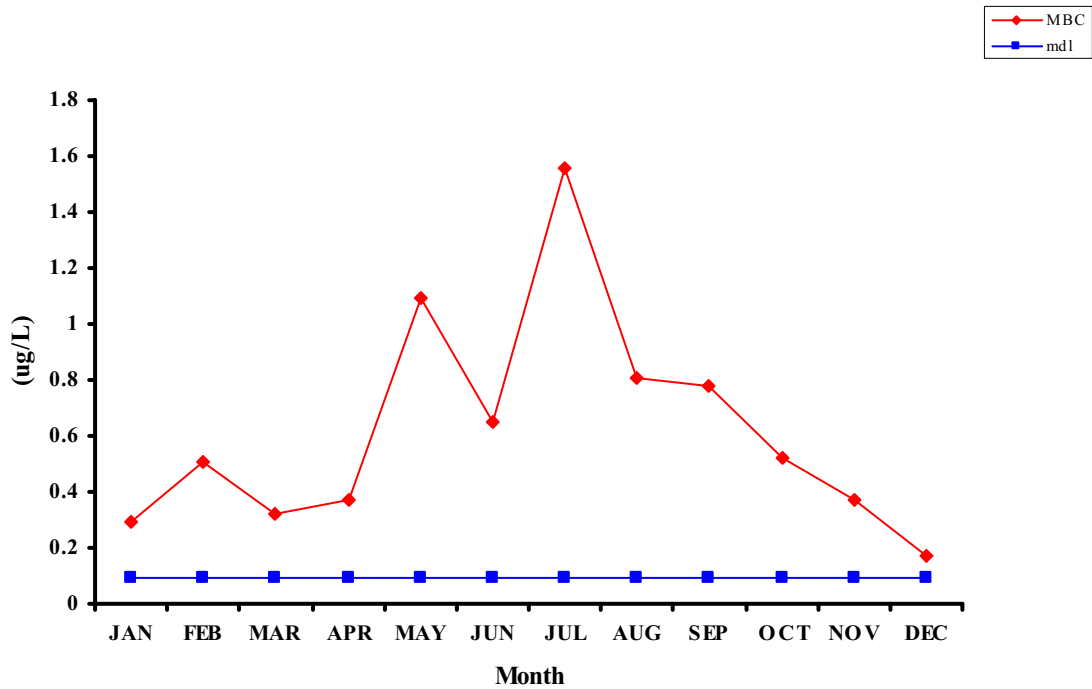


MBC = Metro Biosolids Center Combined Sludge Centrate.

### Manganese 2007 Monthly Averages



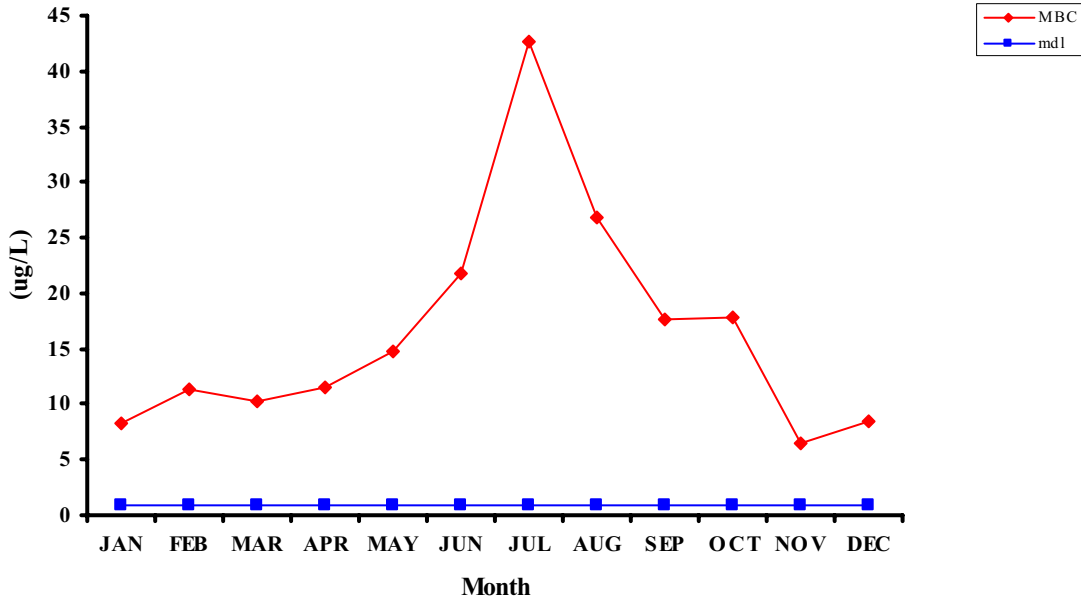
### Mercury 2007 Monthly Averages



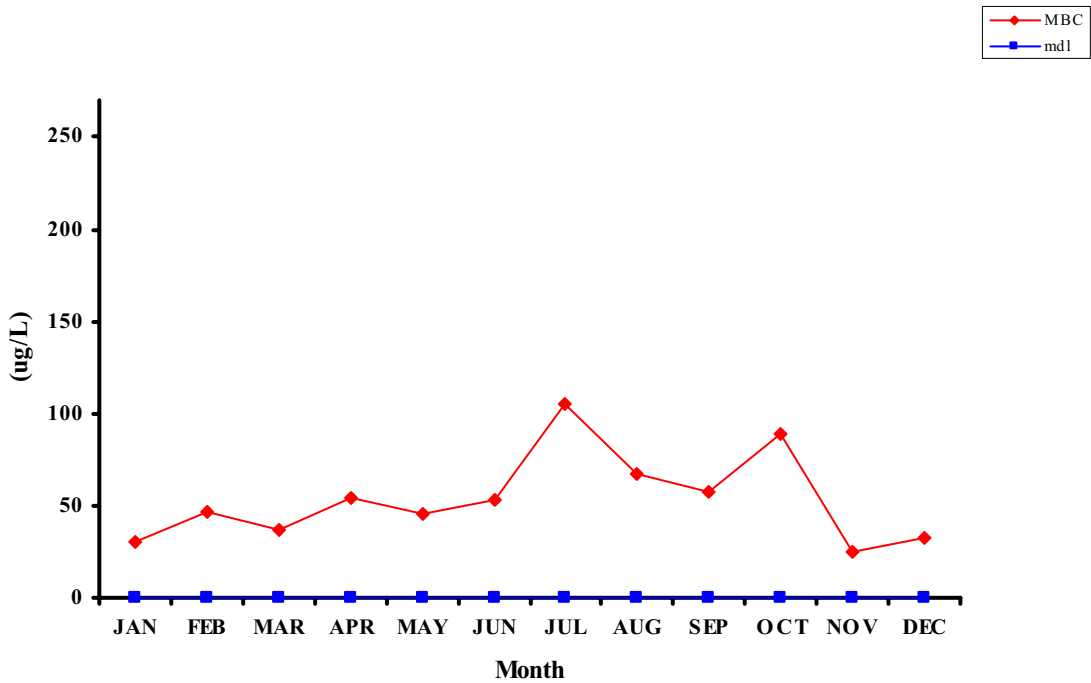
MBC = Metro Biosolids Center Combined Sludge Centrate.



### Molybdeum 2007 Monthly Averages

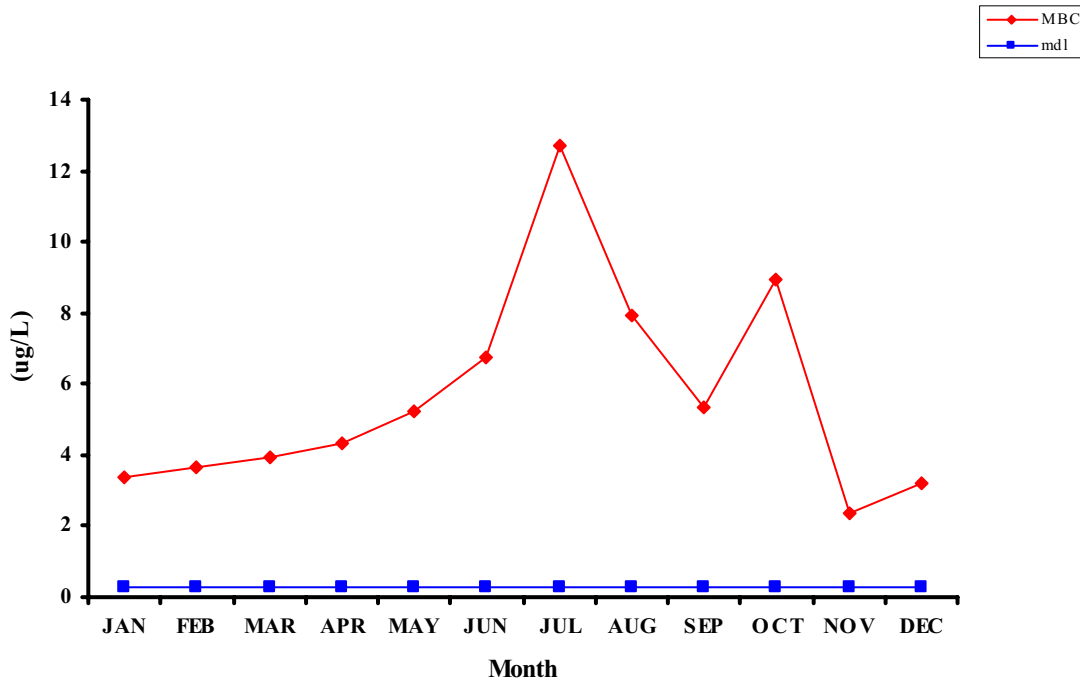


### Nickel 2007 Monthly Averages

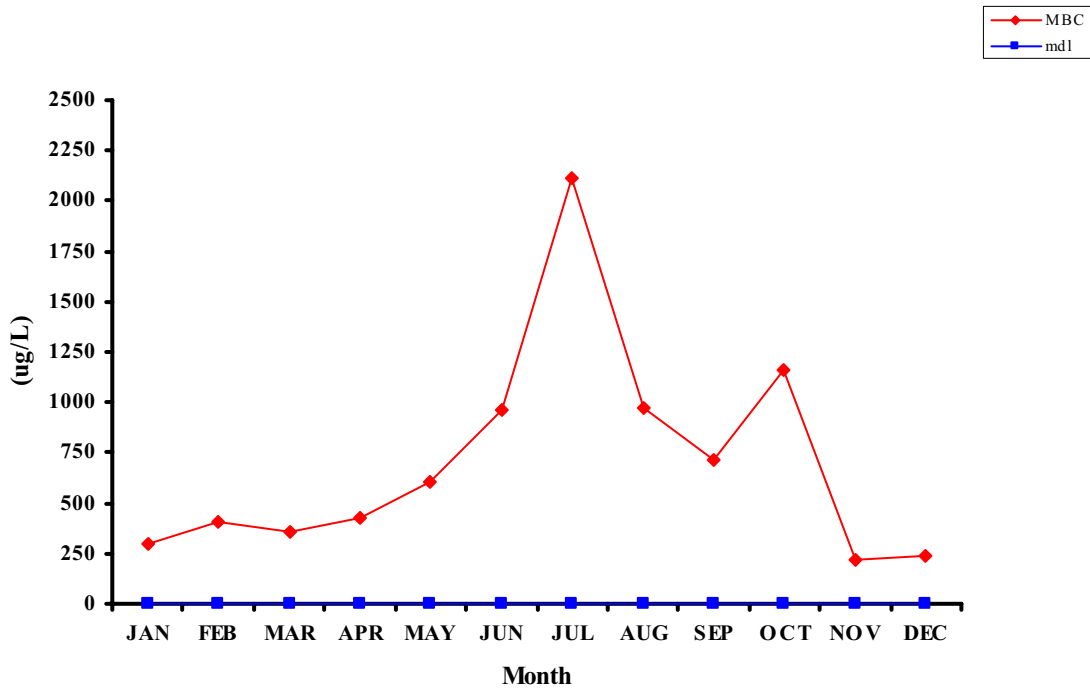


MBC = Metro Biosolids Center Combined Sludge Centrate.

### Selenium 2007 Monthly Averages



### Zinc 2007 Monthly Averages



MBC = Metro Biosolids Center Combined Sludge Centrate.

## C. MBC Digester and Digested Sludge Data Summary

### Metro Biosolids Center Annual Summary

#### Digesters

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

#### Digester 1

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2007	7.15	2.0	68.2	2490	99	59.9	40.1	23
FEBRUARY -2007	7.14	2.1	68.3	2420	90	60.1	39.9	20
MARCH -2007	7.11	1.9	67.5	2480	96	60.1	39.9	26
APRIL -2007	7.10	2.2	68.7	2540	95	60.5	39.5	26
MAY -2007	7.15	2.3	67.9	2620	87	60.5	39.5	17
JUNE -2007	7.18	2.4	66.3	2580	86	60.9	39.1	18
JULY -2007	*	*	*	*	*	*	*	*
AUGUST -2007	*	*	*	*	*	*	*	*
SEPTEMBER-2007	*	*	*	*	*	*	*	*
OCTOBER -2007	*	*	*	*	*	*	*	*
NOVEMBER -2007	*	*	*	*	*	*	*	*
DECEMBER -2007	*	*	*	*	*	*	*	*
Average:	7.14	2.2	67.8	2522	92	60.3	39.7	22

\*Out of service.

#### Digester 2

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2007								
FEBRUARY -2007								
MARCH -2007								
APRIL -2007								
MAY -2007								
JUNE -2007								
JULY -2007								
AUGUST -2007								
SEPTEMBER-2007								
OCTOBER -2007								
NOVEMBER -2007								
DECEMBER -2007								
Average:	*	*	*	*	*	*	*	*

#### Digester 3

	pH	Total Solids (%)	Volatile Solids (%)	Alkalinity (mg/L)	Volatile Acids (mg/L)	Methane (%)	Carbon Dioxide (%)	H2S ppm
JANUARY -2007	*	*	*	*	*	*	*	*
FEBRUARY -2007	*	*	*	*	*	*	*	*
MARCH -2007	*	*	*	*	*	*	*	*
APRIL -2007	*	*	*	*	*	*	*	*
MAY -2007	*	*	*	*	*	*	*	*
JUNE -2007	*	*	*	*	*	*	*	*
JULY -2007	7.19	2.2	61.7	2310	93	60.6	39.4	30
AUGUST -2007	7.18	2.4	63.6	2370	98	60.5	39.5	24
SEPTEMBER-2007	7.19	2.4	63.9	2440	94	60.5	39.5	18
OCTOBER -2007	7.23	2.2	64.2	2340	85	61.6	38.4	15
NOVEMBER -2007	7.13	2.2	65.7	2230	80	60.7	39.3	16
DECEMBER -2007	7.14	2.1	66.9	2310	90	60.8	39.2	17
Average:	7.18	2.3	64.3	2333	90	60.8	39.2	20

\*Not in service.

## D. Gas Production

Metro Biosolids Center  
Annual Summary

Gas Report

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

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	250,087.5			250,087.5	2,320	367,395	369,715
02	221,302.6			221,302.6	5,008	345,147	350,155
03	239,038.1			239,038.1	2,894	350,834	353,728
04	270,849.1			270,849.1	1,757	390,918	392,675
05	274,159.0			274,159.0	6,141	386,887	393,027
06	237,093.0			237,093.0	4,208	385,814	390,022
07	3,337.5		376,260.5	379,598.1	4,846	401,259	406,104
08			390,816.9	390,816.9	6,899	400,295	407,194
09			267,614.2	267,614.2	4,598	315,788	320,386
10			170,268.1	170,268.1	1,939	233,330	235,269
11			198,516.3	198,516.3	557	269,519	270,076
12			325,103.8	325,103.8	1,713	388,837	390,550
avg	213,695.3		288,096.6	268,703.9	3,573	353,002	356,575

Monthly Totals - 2007

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	7,752,714.0			7,752,714.0	71,931	11,389,230	11,461,161
02	6,196,474.0			6,196,474.0	140,221	9,664,118	9,804,339
03	7,410,181.0			7,410,181.0	89,724	10,875,853	10,965,577
04	8,125,472.0			8,125,472.0	52,722	11,727,528	11,780,250
05	8,498,929.0			8,498,929.0	190,358	11,993,483	12,183,841
06	7,112,789.0			7,112,789.0	126,225	11,574,420	11,700,645
07	103,464.0		11,664,076.0	11,767,540.0	150,211	12,439,026	12,589,237
08			12,115,325.0	12,115,325.0	213,864	12,409,146	12,623,010
09			8,028,425.0	8,028,425.0	137,933	9,473,652	9,611,585
10			5,278,312.0	5,278,312.0	60,102	7,233,234	7,293,336
11			5,955,489.0	5,955,489.0	16,717	8,085,565	8,102,282
12			10,078,218.0	10,078,218.0	53,099	12,053,948	12,107,047
avg	6,457,146.1		8,853,307.5	8,193,322.3	108,592	10,743,267	10,851,859
sum	45,200,023.0		53,119,845.0	98,319,868.0	1,303,107	128,919,203	130,222,310

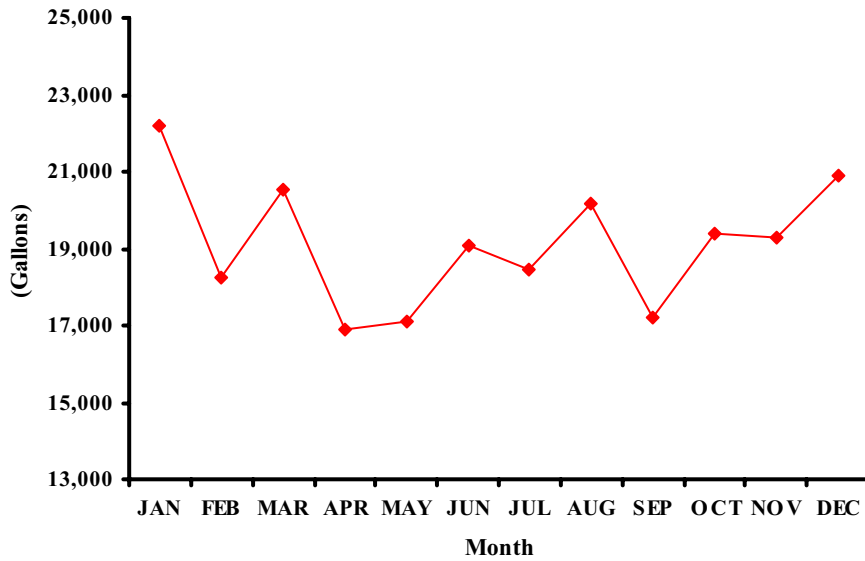
## E. Chemical Usage

### Metro Biosolids Center - Monthly Chemical Usage Report - 2007

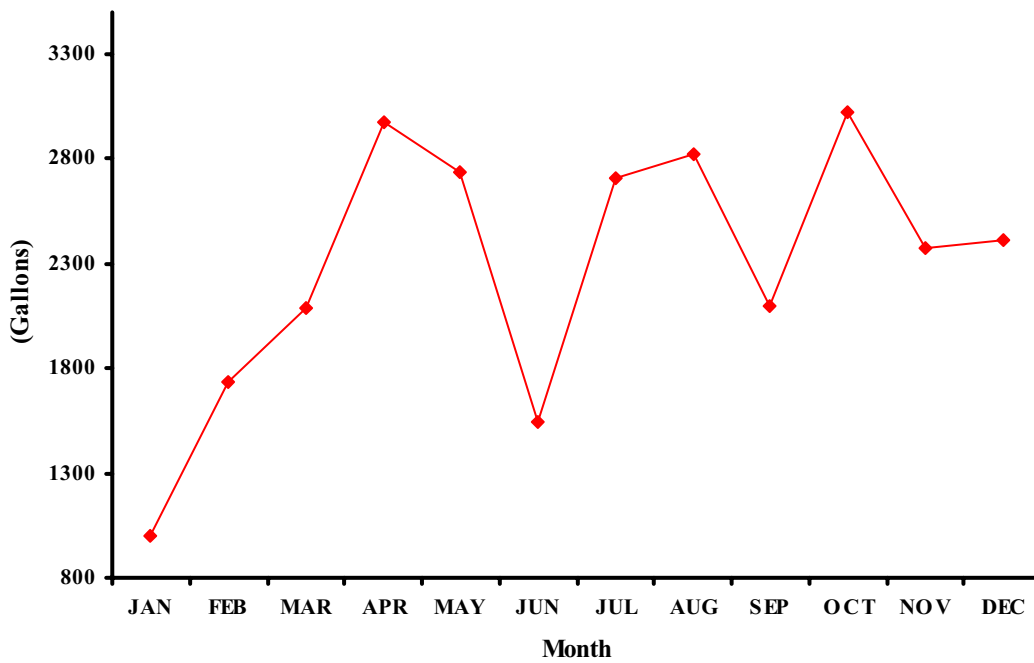
MON	Polymer Gallons	Ferric Chloride Gallons	Ferrous Chloride Gallons	Sodium Hydroxide Gallons	Hypochlorite Gallons	Sulfuric Acid Gallons
01	148,862	22,198	9,395	997	3,565	0
02	125,617	18,263	9,515	1,732	4,073	0
03	159,033	20,522	9,803	2,089	5,177	0
04	140,764	16,883	11,093	2,975	5,196	0
05	146,292	17,088	8,803	2,740	4,163	0
06	139,499	19,076	8,653	1,543	3,740	0
07	167,487	18,437	12,695	2,708	4,311	0
08	164,464	20,146	9,736	2,827	5,259	0
09	162,071	17,202	8,782	2,098	4,682	0
10	161,861	19,367	8,613	3,020	3,943	0
11	153,512	19,305	8,856	2,374	3,193	0
12	155,094	20,914	8,162	2,408	3,260	0
avg	152,046	19,117	9,509	2,292	4,213	0
sum	1,824,557	229,401	114,106	27,510	50,562	0

F. Graphs of Monthly Chemical Usage

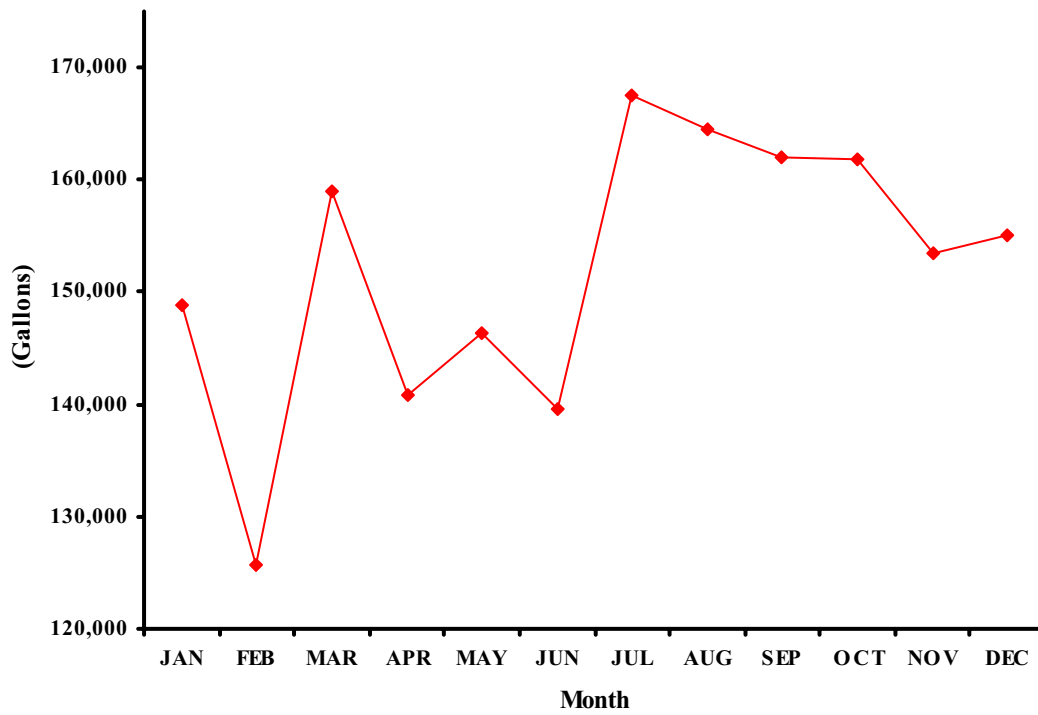
2007 Ferric Chloride Usage at MBC



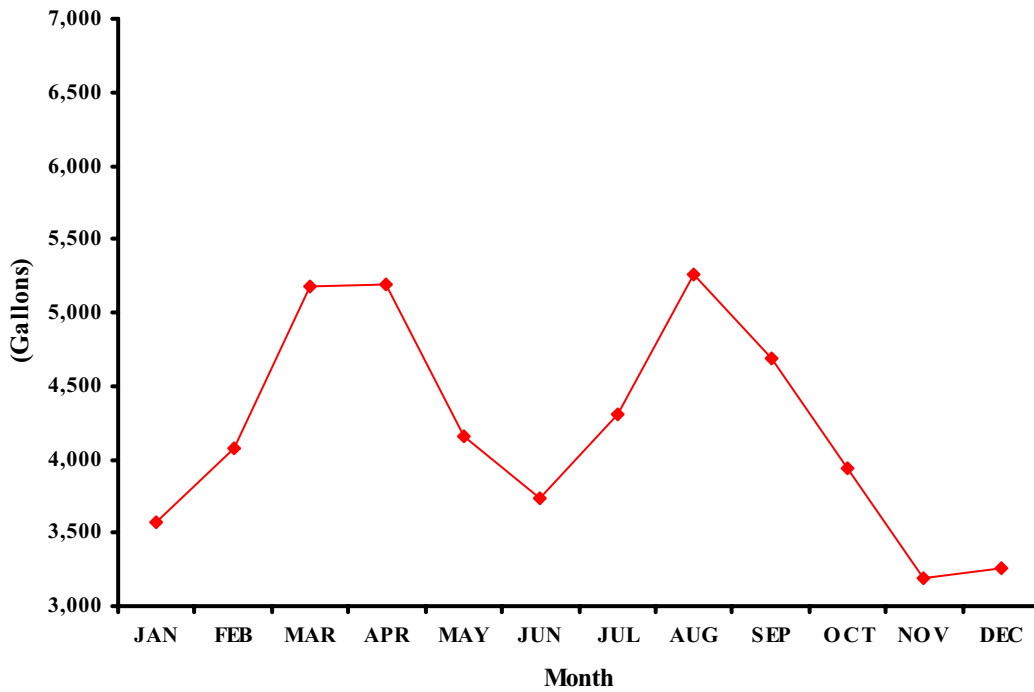
2007 Caustic Usage at MBC



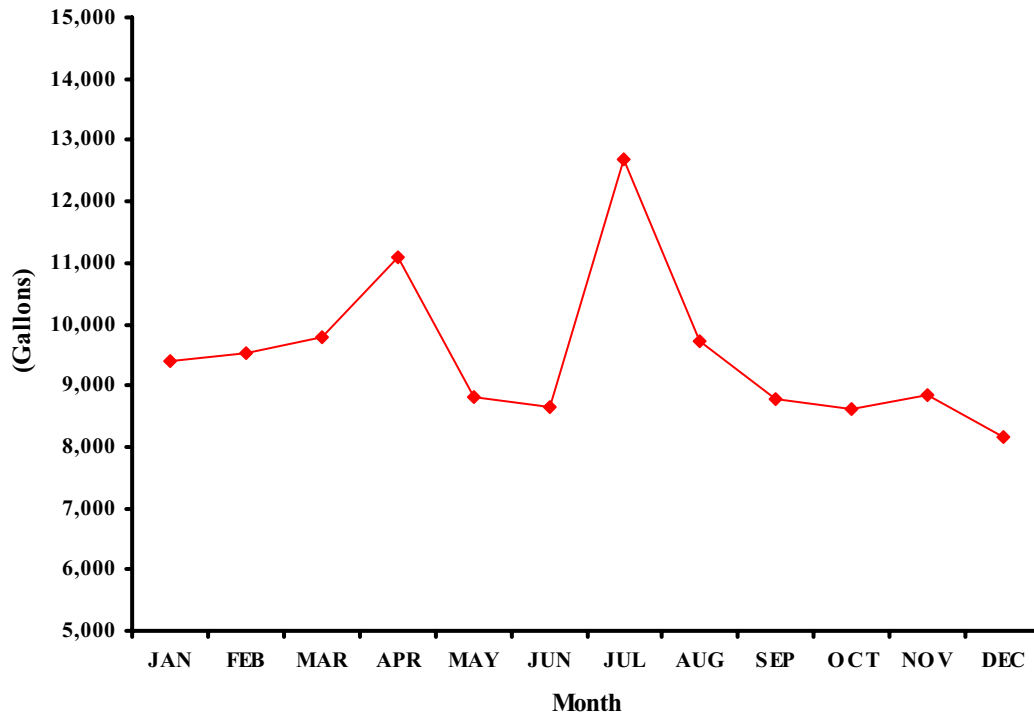
### 2007 Polymer Usage at MBC



### 2007 Sodium Hypochlorite Usage at MBC



### 2007 Ferrous Chloride Usage at MBC





G. Solids Handling Annual Report  
2007 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 127,940 wet tons/36,647 dry tons (33,246 dry metric tons) of digested sludge (biosolids) in 2007.

All digested sludge produced at the Pt. Loma WWTP was 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 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 <sup>15</sup>	Dry metric tons
Disposal in sanitary landfill	<b>956</b>	<b>285</b>	<b>258</b>
Beneficial reuse as Alternative Daily Cover (ADC) at landfill	<b>114,350</b>	<b>32,765</b>	<b>29,724</b>
Land application in Arizona	<b>12,634</b>	<b>3,609</b>	<b>3,274</b>

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).

<sup>15</sup> (based on sum of monthly total tons)

Land Applier: Solid Solutions  
Address: 12340 Seal Beach Blvd., Suite B-383, Seal Beach, CA 90740  
Period: January 1, 2007 - December 31, 2007  
Reuse method: Direct land application. Digested dewatered sludge from the MBC centrifuges were land applied directly to fields in Yuma County, AZ. The sludge was certified by the City of San Diego as meeting Class B pathogen and vector attraction reduction requirements of 40 CFR 503. Copies of the City of San Diego's certifications (which also serve as notification of nitrogen content) are included as Enclosure 2. Copies of Solid Solutions' certification statements are included as Enclosures 10 & 11.

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

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 25<sup>th</sup> 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 2007 continued to meet all regulatory requirements.

Concentration of pollutants were all well below the limits listed in California Title 22 Hazardous Waste thresholds including TLC (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"<sup>16</sup>, were performed during 2007 and the reports of these analyses are included in Enclosure 7.

Table 1.A. Landfill location used during 2007 is as follows:

Otay Landfill 1700 Maxwell Road Chula Vista, San Diego County, CA 91911	956 wet tons(285 dry tons/258 dry metric tons, based on sum of monthly totals) disposed of from January to December 2007 at this landfill.
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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.

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<sup>16</sup> 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

2007 Month:	Otay Landfill		Otay Landfill		Norris Farm Aztec, Yuma County, AZ Beneficial Use <sup>2</sup> (wet Tons)	Desert Ridge Farms Yuma, AZ Beneficial Use <sup>2</sup> (wet Tons)	Total (wet Tons)	%TS	Total Dry Tons	Total Biosolids (dry metric tons)
	Otay Landfill Biosolids (wet Tons)	Beneficial Use <sup>1</sup> (wet Tons)	Otay Landfill Total (wet Tons)	Otay Landfill Total (wet Tons)						
January	437.20	9,383.68	9,820.88	767.64	10,588.52	29.7	3,144.79	2,852.95		
February	518.74	7,283.54	7,802.28	773.48	8,575.76	29.8	2,555.58	2,318.42		
March		9,806.54	9,806.54	803.10	10,609.64	30.0	3,182.89	2,887.52		
April		8,889.55	8,889.55	1,048.62	9,938.17	29.1	2,892.01	2,623.63		
May		10,203.12	10,203.12	910.20	11,113.32	28.8	3,200.64	2,903.62		
June		8,574.74	8,574.74	645.99	9,220.73	28.8	2,655.57	2,409.13		
July		11,073.23	11,073.23	732.59	11,805.82	28.0	3,305.63	2,998.87		
August		10,437.50	10,437.50	1,749.27	12,186.77	28.4	3,461.04	3,139.86		
September		9,727.84	9,727.84		10,909.07	27.2	2,967.27	2,691.90		
October		10,226.37	10,226.37		11,330.60	28.0	3,172.57	2,878.15		
November		9,406.19	9,406.19		10,928.29	28.4	3,103.63	2,815.62		
December		9,337.69	9,337.69		10,733.73	28.0	3,005.44	2,726.54		
Total:	955.94	114,349.99	115,305.93	5,681.62	127,940.42		36,647.06	33,246.21		
Monthly Average:	477.97	9,529.17	9,608.83	811.66	10,661.70	28.7	3,053.92	2,770.52		

<sup>1</sup> beneficial use as Alternative Daily Cover.

<sup>2</sup> beneficial use in Land Application.

**Table 1C. 2007 Biosolids Land Application**

Month	%TS	Desert Ridge , Yuma City, AZ		Norris, Yuma City, AZ		Total Monthly		Total Monthly	Total Metric
		wet tons	dry tons	wet tons	dry tons	wet tons	dry tons		
January	29.7	0.00	0.00	767.64	227.99	767.64	227.99	206.83	
February	29.8	0.00	0.00	773.48	230.50	773.48	230.50	209.11	
March	30.0	0.00	0.00	803.10	240.93	803.10	240.93	218.57	
April	29.1	0.00	0.00	1,048.62	305.15	1,048.62	305.15	276.83	
May	28.8	0.00	0.00	910.20	262.14	910.20	262.14	237.81	
June	28.8	0.00	0.00	645.99	186.05	645.99	186.05	168.78	
July	28.0	0.00	0.00	732.59	205.13	732.59	205.13	186.09	
August	28.4	1,749.27	496.79	0.00	0.00	1,749.27	496.79	450.69	
September	27.2	1,181.23	321.29	0.00	0.00	1,181.23	321.29	291.48	
October	28.0	1,104.23	309.18	0.00	0.00	1,104.23	309.18	280.49	
November	28.4	1,522.10	432.28	0.00	0.00	1,522.10	432.28	392.16	
December	28.0	1,396.04	390.89	0.00	0.00	1,396.04	390.89	354.62	
2007 Totals	Avg =28.7	6,952.87	1,950.44	5,681.62	1,657.87	12,634.49	3,608.31	3,273.46	

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

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

<b>2007 Month:</b>	<b>Copper Mountain Landfill Scum (Tons)</b>	<b>Otay Landfill Scum (Tons)</b>	<b>Miramar Landfill Grit (Tons)</b>	<b>Miramar Landfill Rags &amp; Screenings (Tons)</b>
January	37.61	7.38	170.67	590.13
February	21.23	7.32	149.62	552.76
March	29.77		189.30	645.95
April	35.06		139.73	599.04
May	15.51		152.52	642.77
June	35.34	6.98	178.17	588.01
July	15.60		180.08	491.91
August	18.20		194.23	509.12
September	30.20		164.70	440.90
October	26.05		221.08	409.68
November	31.00		178.14	451.45
December	35.84		180.48	571.38
<b>Total:</b>	<b>331.41</b>	<b>21.68</b>	<b>2,098.72</b>	<b>6,493.10</b>
<b>Average:</b>	<b>27.62</b>	<b>7.23</b>	<b>174.89</b>	<b>541.09</b>

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

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

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

Solids Report - Daily Averages by Month  
From 01-JAN-2007 To 31-DEC-2007

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

Note: A ton is a "short ton" or 2000 lbs of dry solids.  
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 2007.

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 2007.



Metro Biosolids Center

Sludge Project - Annual Summary

Trace Metals

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

Source:		MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:		31-JAN-2007	28-FEB-2007	31-MAR-2007	30-APR-2007	31-MAY-2007	30-JUN-2007
Sample ID:	MDL Units	P372264	P375281	P378764	P383441	P386675	P389803
pH	.08 PH	7.92	7.80	7.91	7.92	7.77	7.84
Total Solids	WT%	30.2	27.8	29.2	28.3	27.7	27.7
Total Volatile Solids	WT%	57.7	56.7	56.6	57.6	57.7	56.8
Total Kjeldahl Nitrogen	.04 WT%	NA	4.54	NA	NA	4.70	NA
Total Nitrogen	1.1 WT%	4.56	4.69	4.42	4.64	4.55	4.40
Sulfides-Total	2170 MG/KG	10500	15100	9530	10200	15200	19000
Sulfides-Reactive	11 MG/KG	ND	ND	ND	ND	ND	ND
Cyanides, Total	.1 MG/KG	NA	NA	2.38	NA	0.33	NA
Aluminum	1.32 MG/KG	7220	6600	8220	6960	6980	7000
Antimony	.45 MG/KG	5.3	5.4	5.7	3.9	5.3	6.0
Arsenic	.68 MG/KG	3.14	3.71	4.34	2.09	3.42	2.51
Barium	.0063 MG/KG	298	453	504	526	415	320
Beryllium	.0039 MG/KG	0.24	0.31	0.38	0.32	0.22	0.78
Cadmium	.018 MG/KG	1.4	1.3	2.0	2.0	2.6	2.2
Chromium	.083 MG/KG	59	66	81	75	64	66
Cobalt	.083 MG/KG	3.1	2.5	2.8	4.8	3.8	1.8
Copper	.055 MG/KG	591	610	751	671	616	663
Iron	2 MG/KG	91800	89700	90400	93200	93000	109000
Lead	.6 MG/KG	15	20	20	14	15	18
Manganese	.012 MG/KG	302	255	270	256	272	309
Mercury	.4 MG/KG	1.06	<0.40	1.38	1.42	1.58	1.22
Molybdenum	.14 MG/KG	13	14	17	16	17	19
Nickel	.063 MG/KG	50	55	60	70	51	44
Selenium	.47 MG/KG	4.09	5.23	3.93	4.01	4.95	5.82
Silver	.06 MG/KG	17	15	16	16	13	14
Thallium	.77 MG/KG	ND	ND	ND	ND	ND	ND
Vanadium	.064 MG/KG	60	31	28	20	17	19
Zinc	.12 MG/KG	871	806	974	895	851	893

Source:		MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Date:		31-JUL-2007	31-AUG-2007	30-SEP-2007	31-OCT-2007	30-NOV-2007	31-DEC-2007
Sample ID:	MDL Units	P394386	P397589	P401129	P405179	P409007	P412358
pH	.08 PH	7.82	7.73	7.70	7.85	7.67	7.86
Total Solids	WT%	27.6	27.0	26.5	27.3	27.2	27.4
Total Volatile Solids	WT%	57.4	57.4	56.6	56.9	57.5	57.0
Total Kjeldahl Nitrogen	.04 WT%	NA	4.26	NA	4.42	NA	NA
Total Nitrogen	1.1 WT%	4.68	5.36	4.74	4.66	5.16	4.80
Sulfides-Total	2170 MG/KG	15600	19600	11600	23400	22100	16500
Sulfides-Reactive	11 MG/KG	ND	ND	17	ND	16	ND
Cyanides, Total	.1 MG/KG	NA	9.51	NA	3.66	NA	NA
Aluminum	1.32 MG/KG	7020	6880	6420	5860	6590	6210
Antimony	.45 MG/KG	6.0	4.3	4.9	16.1	5.2	4.4
Arsenic	.68 MG/KG	2.96	2.55	3.44	3.27	3.15	5.54
Barium	.0063 MG/KG	232	459	314	169	219	401
Beryllium	.0039 MG/KG	0.53	0.27	0.11	0.15	0.32	0.34
Cadmium	.018 MG/KG	1.7	1.6	1.5	1.8	1.4	1.3
Chromium	.083 MG/KG	70	69	60	71	67	70
Cobalt	.083 MG/KG	1.5	2.2	2.4	0.4	3.4	2.6
Copper	.055 MG/KG	667	664	677	727	606	558
Iron	2 MG/KG	109000	108000	108000	107000	105000	92600
Lead	.6 MG/KG	20	19	18	20	15	16
Manganese	.012 MG/KG	334	308	261	254	264	252
Mercury	.4 MG/KG	1.45	1.55	1.26	1.68	1.65	1.60
Molybdenum	.14 MG/KG	21	24	22	20	17	17
Nickel	.063 MG/KG	57	61	62	53	58	58
Selenium	.47 MG/KG	4.88	4.33	4.98	5.17	4.30	4.23
Silver	.06 MG/KG	15	11	13	9	9	9
Thallium	.77 MG/KG	ND	ND	ND	ND	ND	ND
Vanadium	.064 MG/KG	21	19	17	15	16	18
Zinc	.12 MG/KG	883	887	890	793	845	847

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

MBCDEWCN= Metro Biosolids Center Dewatered Centrifuged Sludge.

Metro Biosolids Center  
 Sludge Project - Annual Summary  
 Total Nitrogen Analysis  
 From 01-JAN-2007 to 31-DEC-2007

Date:		MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Sample:	MDL Units	31-JAN-2007	28-FEB-2007	31-MAR-2007	30-APR-2007	31-MAY-2007	30-JUN-2007	31-JUL-2007
		P372264	P375281	P378764	P383441	P386675	P389803	P394386
Total Nitrogen	1.1 WT%	4.6	4.7	4.4	4.6	4.6	4.4	4.7

Date:		MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Sample:	MDL Units	31-AUG-2007	30-SEP-2007	31-OCT-2007	30-NOV-2007	31-DEC-2007
		P397589	P401129	P405179	P409007	P412358
Total Nitrogen	1.1 WT%	5.4	4.7	4.7	5.2	4.8

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

Point Loma Wastewater Treatment Plant/Metro Biosolids Center

Sludge Project - Annual Summary

Radioactivity

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

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
PLE	13-FEB-2007	P370589	1.5±1.0	23.9±5.2
PLE	08-MAY-2007	P380432	1.1±0.9	29.8±6.4
PLE	07-AUG-2007	P392059	1.4±1.0	27.5±7.8
PLE	02-OCT-2007	P399261	0.2±0.5	28.0±7.2
PLE	ANNUAL	AVERAGE	1.1±0.8	27.3±6.6

PLR	13-FEB-2007	P370594	4.1±1.6	27.0±5.8
PLR	08-MAY-2007	P380437	3.8±1.8	26.9±6.7
PLR	07-AUG-2007	P392064	3.2±1.6	26.9±6.5
PLR	02-OCT-2007	P399266	3.2±1.6	34.6±8.9
PLR	ANNUAL	AVERAGE	3.6±1.6	28.9±7.0

MBC_COMBCN	31-MAR-2007	P378763	4.3±3.2	51.1±7.3
MBC_COMBCN	08-MAY-2007	P380447	1.6±1.5	85.3±58.6
MBC_COMBCN	07-AUG-2007	P392074	1.2±1.0	54.0±10.1
MBC_COMBCN	02-OCT-2007	P399276	2.6±1.8	49.1±10.1
MBC_COMBCN	ANNUAL	AVERAGE	2.2±1.9	59.9±21.5

Source	Sample Date	Sample ID	Gross Alpha Radiation	Gross Beta Radiation
MBCDEWCN	28-FEB-2007	P375281	6000±5550	10600±2405
MBCDEWCN	31-MAY-2007	P386675	4220±4460	10200±2610
MBCDEWCN	31-AUG-2007	P397589	3440±4880	16700±4000
MBCDEWCN	31-OCT-2007	P405179	4420±5610	11600±3010
AVERAGE			4520±5125	12275±3006

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

Units in picocuries/liter (pCi/L)

MBC\_COMBCN= Metro Biosolids Center Combined Sludge Centrate.

Metro Biosolids Center  
 Sludge Project - Annual Summary  
 Chlorinated Pesticide Analysis  
 From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JAN-2007 P372264	28-FEB-2007 P375281	31-MAR-2007 P378764	30-APR-2007 P383441	31-MAY-2007 P386675
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	60000	ND	ND	ND	ND
p,p-DDE	28000	NG/KG	47500	33500	ND	52000	33000
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	52500	34500	ND
Gamma (trans) Chlordane	48000	NG/KG	ND	105000	155000	97500	111000
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	52500	ND	29500
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	107500	33500	0	52000	33000
Chlordane + related cmpds.	48000	NG/KG	0	105000	207500	132000	111000
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	107500	138500	260000	184000	173500

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

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

Metro Biosolids Center  
 Sludge Project - Annual Summary  
 Chlorinated Pesticide Analysis  
 From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			30-JUN-2007 P389803	31-JUL-2007 P394386	31-AUG-2007 P397589	30-SEP-2007 P401129	31-OCT-2007 P405179
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	<28000	34000	ND
p,p-DDT	35000	NG/KG	ND	ND	ND	<35000	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	22500	ND
Gamma (trans) Chlordane	48000	NG/KG	<48000	ND	ND	<48000	94500
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	<18000	ND	ND	50500	24500
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	34000	0
Chlordane + related cmpds.	48000	NG/KG	0	0	0	22500	94500
Polychlorinated biphenyls	580000	NG/KG	0	0	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	0	0	0	107000	119000

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

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

Metro Biosolids Center  
 Sludge Project - Annual Summary  
 Chlorinated Pesticide Analysis  
 From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	Annual Average
			30-NOV-2007 P409007	31-DEC-2007 P412358	
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	5000
p,p-DDE	28000	NG/KG	30000	ND	19167
p,p-DDT	35000	NG/KG	ND	ND	0
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	ND	9125
Gamma (trans) Chlordane	48000	NG/KG	79000	ND	53500
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	13083
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	30000	0	24167
Chlordane + related cmpds.	48000	NG/KG	79000	0	62625
Polychlorinated biphenyls	580000	NG/KG	0	0	0
Chlorinated Hydrocarbons	580000	NG/KG	109000	0	99875

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

"Standards for alpha and gamma chlordene are no longer available in the U.S. for the analysis of these compounds."

Metro Biosolids Center  
 Sludge Project - Annual Summary  
 Tributyl Tin  
 From 01-JAN-2007 to 31-DEC-2007

		MBCDEWCN	MBCDEWCN
		31-MAY-2007	31-OCT-2007
		P386675	P405179
===== Monobutyl Tin	==== UG/KG	==== ND	==== ND
Tributyl tin	2600 UG/KG	ND	ND

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

Metro Biosolids Center  
 Sludge Project - Annual Summary  
 Herbicide Analysis  
 From 01-JAN-2007 to 31-DEC-2007

Date:			MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
Sample:	MDL	Units	28-FEB-2007	31-MAY-2007	31-AUG-2007	31-OCT-2007
=====	====	=====	P375281	P386675	P397589	P405179
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/Metro Biosolids Center

Sludge Project - Annual Summary

Organophosphorus Pesticides

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

Analyte	MDL	Units	PLE	PLE	PLE	PLR	PLR
			08-MAY-2007 P380432	17-JUL-2007 P392644	02-OCT-2007 P399261	08-MAY-2007 P380437	02-OCT-2007 P399266
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/Metro Biosolids Center

Sludge Project - Annual Summary

Organophosphorus Pesticides

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

Analyte	MDL Units	MBC_COMBCN	MBC_COMBCN	MBC_NC_DSL	MBC_NC_DSL	MBC_NC_RSL
		08-MAY-2007 P380447	02-OCT-2007 P399276	08-MAY-2007 P380502	02-OCT-2007 P399330	08-MAY-2007 P380500
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/Metro Biosolids Center

Sludge Project - Annual Summary

Organophosphorus Pesticides

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

Analyte	MDL Units	MBC_NC_RSL	RAW COMP	RAW COMP	DIG COMP	DIG COMP
		02-OCT-2007 P399328	08-MAY-2007 P380472	02-OCT-2007 P399301	08-MAY-2007 P380486	02-OCT-2007 P399315
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 Wastwater Treatment Plant/Metro Biosolids Center

Sludge Project - Annual Summary

Organophosphorus Pesticides

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

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN
			31-MAY-2007 P386675	31-OCT-2007 P405179
Demeton O	67	UG/KG	ND	ND
Demeton S	27	UG/KG	ND	ND
Diazinon		UG/KG	ND	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	ND	ND
Ronnel	20	UG/KG	ND	ND
Trichloronate	20	UG/KG	ND	ND
Merphos	17	UG/KG	ND	ND
Dichlofenthion	20	UG/KG	ND	ND
Tokuthion	17	UG/KG	ND	ND
Stirophos	20	UG/KG	ND	ND
Bolstar	50	UG/KG	ND	ND
Fensulfothion	100	UG/KG	ND	ND
EPN	33	UG/KG	ND	ND
Coumaphos	33	UG/KG	ND	ND
Mevinphos, e isomer	17	UG/KG	ND	ND
Mevinphos, z isomer	100	UG/KG	ND	ND
Chlorpyrifos		UG/KG	ND	ND
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	0.0	0.0

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

Metro Biosolids Center

Sludge Project - Annual Summary

Base/Neutrals

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

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			28-FEB-2007 P375281	31-MAY-2007 P386675	31-AUG-2007 P397589	31-OCT-2007 P405179
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	ND	ND	516	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	ND	ND	384	516
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	529	ND	386	ND
2,6-dinitrotoluene	330	UG/KG	ND	ND	ND	<330
Acenaphthene	330	UG/KG	ND	ND	ND	ND
2,4-dinitrotoluene	330	UG/KG	ND	ND	ND	<330
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	487
N-nitrosodiphenylamine	330	UG/KG	1930	<330	ND	405
4-bromophenyl phenyl ether	330	UG/KG	ND	ND	ND	ND
Hexachlorobenzene	330	UG/KG	ND	ND	ND	ND
Phenanthrene	330	UG/KG	ND	ND	ND	664
Anthracene	330	UG/KG	ND	ND	ND	ND
Di-n-butyl phthalate	330	UG/KG	ND	ND	731	ND
N-nitrosodimethylamine	330	UG/KG	ND	ND	ND	ND
Fluoranthene	330	UG/KG	ND	ND	ND	ND
Pyrene	330	UG/KG	ND	390	ND	ND
Butyl benzyl phthalate	330	UG/KG	2600	ND	3440	2820
Chrysene	330	UG/KG	ND	ND	ND	ND
Benzo[A]anthracene	330	UG/KG	ND	<330	ND	ND
Bis-(2-ethylhexyl) phthalate	330	UG/KG	98700	67000	127000	114000
Di-n-octyl phthalate	330	UG/KG	ND	ND	ND	ND
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	0	390	0	664
Dichlorobenzenes	330	UG/KG	0	0	516	0
Base/Neutral Compounds	330	UG/KG	103759	67390	132457	118892

Additional analytes determined:

1-methylnaphthalene		UG/KG	751	173	647	1020
2-methylnaphthalene		UG/KG	1150	490	905	1310
2,6-dimethylnaphthalene		UG/KG	ND	366	402	1170
2,3,5-trimethylnaphthalene		UG/KG	ND	ND	ND	ND
1-methylphenanthrene		UG/KG	ND	ND	ND	ND
Benzo[e]pyrene		UG/KG	ND	ND	ND	ND
Perylene	330	UG/KG	ND	ND	ND	ND
Biphenyl		UG/KG	ND	ND	ND	339
Pyridine		UG/KG	ND	235	ND	ND

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

Metro Biosolids Center  
 Sludge Project - Annual Summary  
 Phenolics  
 From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	Average 800 UG/KG
			28-FEB-2007 P375281	31-MAY-2007 P386675	31-AUG-2007 P397589	31-OCT-2007 P405179	
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	243000	255000	175000	168000	210250
Total Non-Chlorinated Phenols	800	UG/KG	255700	260700	182210	180600	219803
Total Chlorinated Phenols	800	UG/KG	0	0	0	0	0
Phenols	800	UG/KG	255700	260700	182210	180600	219803
Phenols average	800	UG/KG	22091	23182	15909	15273	19114

Additional analytes determined:

2-methylphenol	330	UG/KG	ND	ND	ND	ND	ND
3-methylphenol(4-MP is unresolved)	330	UG/KG	ND	NA	NA	NA	ND
4-methylphenol(3-MP is unresolved)	330	UG/KG	12700	5700	7210	12600	9553
2,4,5-trichlorophenol	800	UG/KG	ND	ND	ND	ND	ND

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

Metro Biosolids Center

Sludge Project - Annual Summary

Purgeables

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

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JAN-2007 P372264	28-FEB-2007 P375281	31-MAR-2007 P378764	30-APR-2007 P383441	31-MAY-2007 P386675	30-JUN-2007 P389803
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	28.7	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	98	147	123	132	105	137
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	ND	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
Methylene chloride	62.5	UG/KG	ND	ND	<63	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	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
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	<35	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	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
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	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
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Purgeable Compounds	90.5	UG/KG	98	147	<123	132	105	137
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
2-butanone		UG/KG	10100	7050	1030	960	2650	3260
Dibromofluoromethane		UG/KG	1010	1040	939	1000	1010	1020
Dichlorodifluoromethane		UG/KG	*	*	*	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND	ND
Acetone	185	UG/KG	9370	15900	3200	3040	9160	7630
Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Carbon disulfide	34	UG/KG	114	89	44	52	58	121
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Methyl iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	ND	<24	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	ND	ND	ND	ND	ND	<35
Methyl tert-butyl ether	34	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	23	UG/KG	ND	ND	ND	ND	ND	ND
Styrene	19	UG/KG	ND	ND	ND	ND	ND	<19

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

Metro Biosolids Center

Sludge Project - Annual Summary

Purgeables

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

Analyte	MDL	Units	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN
			31-JUL-2007 P394386	31-AUG-2007 P397589	30-SEP-2007 P401129	31-OCT-2007 P405179	30-NOV-2007 P409007	31-DEC-2007 P412358
Chloromethane	25.8	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichlorobenzene	28.7	UG/KG	ND	<29	ND	31	<29	30
1,3-dichlorobenzene	16.1	UG/KG	ND	ND	ND	ND	ND	ND
1,4-dichlorobenzene		UG/KG	120	122	108	63	92	83
Bromomethane	29.2	UG/KG	ND	ND	ND	ND	ND	ND
Vinyl chloride	26.2	UG/KG	ND	ND	ND	ND	<26	ND
Chloroethane	61	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethene	25.1	UG/KG	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	28	UG/KG	ND	ND	ND	ND	ND	ND
Methylene chloride	62.5	UG/KG	ND	ND	ND	ND	ND	ND
1,1-dichloroethane	25.7	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND	ND	ND	ND	ND	ND
Chloroform	25.6	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloroethane	20.5	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
Bromodichloromethane	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2-dichloropropane	25.5	UG/KG	ND	ND	ND	ND	ND	ND
trans-1,3-dichloropropene	17	UG/KG	ND	ND	ND	ND	ND	ND
Trichloroethene	25.3	UG/KG	ND	ND	ND	ND	ND	ND
Benzene	26.5	UG/KG	ND	ND	ND	ND	ND	ND
Dibromochloromethane	24.2	UG/KG	ND	ND	ND	ND	ND	ND
1,1,2-trichloroethane	35.1	UG/KG	ND	ND	ND	ND	ND	ND
cis-1,3-dichloropropene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
2-chloroethylvinyl ether	53.6	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
Tetrachloroethene	21.5	UG/KG	ND	ND	ND	ND	ND	ND
Toluene	48	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
Acrylonitrile	275	UG/KG	ND	ND	ND	ND	ND	ND
Acrolein	70.9	UG/KG	ND	ND	ND	ND	ND	ND
Purgeable Compounds	90.5	UG/KG	120	122	108	94	92	113

Additional analytes determined;

Analyte	MDL	Units	31-JUL-2007	31-AUG-2007	30-SEP-2007	31-OCT-2007	30-NOV-2007	31-DEC-2007
1,2-dibromoethane	17	UG/KG	ND	ND	ND	ND	ND	ND
1,2,4-trichlorobenzene	17	UG/KG	<17	ND	ND	ND	ND	ND
2-butanone		UG/KG	3260	2950	1290	3560	2860	1730
Dibromofluoromethane		UG/KG	1030	1030	884	1050	1020	941
Dichlorodifluoromethane		UG/KG	ND	ND	ND	ND	ND	ND
2-nitropropane		UG/KG	ND	ND	ND	ND	ND	ND
Acetone	185	UG/KG	10000	10500	5760	5850	6790	4150
Allyl chloride	25	UG/KG	ND	ND	ND	ND	ND	ND
Benzyl chloride	38	UG/KG	ND	ND	ND	ND	ND	ND
Chloroprene	17	UG/KG	ND	ND	ND	ND	ND	ND
Carbon disulfide	34	UG/KG	64	81	63	80	97	70
Isopropylbenzene	17	UG/KG	ND	ND	ND	ND	ND	ND
Methyl Iodide	19	UG/KG	ND	ND	ND	ND	ND	ND
Methyl methacrylate	36	UG/KG	ND	ND	ND	ND	ND	ND
4-methyl-2-pentanone	24	UG/KG	38	ND	ND	ND	ND	ND
meta,para xylenes	35	UG/KG	ND	<35	<35	<35	ND	ND
Methyl tert-butyl ether	34	UG/KG	ND	ND	ND	ND	ND	ND
ortho-xylene	23	UG/KG	ND	ND	ND	ND	ND	ND
Styrene	19	UG/KG	ND	<19	ND	ND	ND	ND

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



Metro Biosolids Center  
 Sludge Project - Annual Summary  
 Purgeables  
 From 01-JAN-2007 to 31-DEC-2007

Average

Analyte	MDL	Units	
===== Chloromethane	25.8	UG/KG	ND
1,2-dichlorobenzene	28.7	UG/KG	5
1,3-dichlorobenzene	16.1	UG/KG	ND
1,4-dichlorobenzene		UG/KG	111
Bromomethane	29.2	UG/KG	ND
Vinyl chloride	26.2	UG/KG	0
Chloroethane	61	UG/KG	ND
1,1-dichloroethene	25.1	UG/KG	ND
Trichlorofluoromethane	28	UG/KG	ND
Methylene chloride	62.5	UG/KG	<0
1,1-dichloroethane	25.7	UG/KG	ND
trans-1,2-dichloroethene	24.9	UG/KG	ND
Chloroform	25.6	UG/KG	ND
1,2-dichloroethane	20.5	UG/KG	ND
1,1,1-trichloroethane	27.4	UG/KG	ND
Carbon tetrachloride	15.6	UG/KG	ND
Bromodichloromethane	17	UG/KG	ND
1,2-dichloropropane	25.5	UG/KG	ND
trans-1,3-dichloropropene	17	UG/KG	ND
Trichloroethene	25.3	UG/KG	ND
Benzene	26.5	UG/KG	ND
Dibromochloromethane	24.2	UG/KG	ND
1,1,2-trichloroethane	35.1	UG/KG	0
cis-1,3-dichloropropene	21.5	UG/KG	ND
2-chloroethylvinyl ether	53.6	UG/KG	ND
Bromoform	26.1	UG/KG	ND
1,1,2,2-tetrachloroethane	64	UG/KG	ND
Tetrachloroethene	21.5	UG/KG	ND
Toluene	48	UG/KG	ND
Chlorobenzene	31.1	UG/KG	ND
Ethylbenzene	90.5	UG/KG	ND
Acrylonitrile	275	UG/KG	ND
Acrolein	70.9	UG/KG	ND
===== Purgeable Compounds	90.5	UG/KG	116

Additional analytes determined;

===== 1,2-dibromoethane	17	UG/KG	ND
1,2,4-trichlorobenzene	17	UG/KG	0
2-butanone		UG/KG	3392
Dibromofluoromethane		UG/KG	998
Dichlorodifluoromethane		UG/KG	ND
2-nitropropane		UG/KG	ND
Acetone	185	UG/KG	7613
Allyl chloride	25	UG/KG	ND
Benzyl chloride	38	UG/KG	ND
Chloroprene	17	UG/KG	ND
Carbon disulfide	34	UG/KG	78
Isopropylbenzene	17	UG/KG	ND
Methyl Iodide	19	UG/KG	ND
Methyl methacrylate	36	UG/KG	ND
4-methyl-2-pentanone	24	UG/KG	3
meta,para xylenes	35	UG/KG	0
Methyl tert-butyl ether	34	UG/KG	ND
ortho-xylene	23	UG/KG	ND
Styrene	19	UG/KG	0

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

Metro Biosolids Center  
 Sludge Project - Annual Summary  
 Dioxins  
 From 01-JAN-2007 to 31-DEC-2007

Analyte	MDL Units	MBCDEWCN	
		31-MAY-2007 P386675	31-OCT-2007 P405179
2,3,7,8-tetra CDD	2.2 NG/KG	ND	ND
1,2,3,7,8-penta CDD	61 NG/KG	ND	ND
1,2,3,4,7,8_hexa_CDD	9.1 NG/KG	ND	ND
1,2,3,6,7,8-hexa CDD	NG/KG	19	18
1,2,3,7,8,9-hexa CDD	8.4 NG/KG	<8	<6
1,2,3,4,6,7,8-hepta CDD	NG/KG	345	169
octa CDD	NG/KG	2650	990
2,3,7,8-tetra CDF	NG/KG	2	2
1,2,3,7,8-penta CDF	2.2 NG/KG	ND	ND
2,3,4,7,8-penta CDF	2.1 NG/KG	ND	ND
1,2,3,4,7,8-hexa CDF	3.2 NG/KG	ND	ND
1,2,3,6,7,8-hexa CDF	1.8 NG/KG	ND	ND
1,2,3,7,8,9-hexa CDF	2 NG/KG	ND	ND
2,3,4,6,7,8-hexa CDF	2.1 NG/KG	ND	ND
1,2,3,4,6,7,8-hepta CDF	NG/KG	45	34
1,2,3,4,7,8,9-hepta CDF	7.2 NG/KG	ND	ND
octa CDF	NG/KG	150	77

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.

ANALYTE	WET WEIGHT Concentration (calculated)												
	TTLC Wet wt mg/Kg	Jan-07 P372264	Feb-07 P375281	Mar-07 P378764	Apr-07 P383441	May-07 P386675	Jun-07 P389803	Jul-07 P394386	Aug-07 P397589	Sep-07 P401129	Oct-07 P405179	Nov-07 P409007	Dec-07 P412358
ANTIMONY	500	1.59	1.50	1.67	1.09	1.48	1.67	1.71	1.16	1.31	4.38	1.42	1.22
ARSENIC	500	0.9	1.0	1.0	0.6	0.9	0.7	0.8	0.7	0.9	0.9	0.9	1.5
BARUM	10000	90	126	147	149	115	89	66	124	83	46	60	110
BERYLLIUM	75	0.072	0.086	0.110	0.091	0.061	0.2	0.2	0.1	0.0	0.0	0.1	0.1
CADMIUM	100	0.4	0.4	0.6	0.6	0.7	0.6	0.5	0.4	0.4	0.5	0.4	0.4
CHROMIUM(VI)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM(total)	2500	18	18	24	21	18	18	20	19	16	19	18	19
COBALT	8000	0.9	0.7	8000	1.4	1.0	0.5	0.4	0.6	0.6	0.1	0.9	0.7
COPPER	2500	178	170	219	190	171	184	191	179	179	198	165	153
LEAD	1000	5	6	6	4	4	5	6	5	5	5	4	4
MERCURY	20	0.32	0.13	0.40	0.40	0.44	0.34	0.41	0.42	0.33	0.46	0.45	0.44
MOLYBDENUM	3500	3.9	3.9	5.0	4.4	4.6	5.2	6.0	6.4	5.9	5.5	4.6	4.6
NICKEL	2000	15	15	18	20	14	12	16	16	16	14	16	16
SELENIUM	100	1.2	1.5	1.1	1.1	1.4	1.6	1.4	1.2	1.3	1.4	1.2	1.2
SILVER	500	5	4	5	4	4	4	4	3	3	2	2	2
THALLIUM	700	< 0.23	< 0.21	< 0.23	< 0.22	< 0.21	< 0.21	< 0.22	< 0.21	< 0.20	< 0.21	< 0.21	< 0.21
VANADIUM	2400	18	9	8	6	5	5	6	5	4	4	4	5
ZINC	5000	263	224	284	253	236	247	253	239	243	216	230	232
FLUORIDE	18000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SULFIDES-REACTIVE	NA	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3
SULFIDES-TOTAL	NA	3171	4198	2781	2877	4197	5249	4463	5292	3074	6388	6011	4507
TOTAL SOLIDS (%)	NA	30.2	27.8	29.2	28.3	27.7	27.7	28.7	27.0	26.5	27.3	27.2	27.4

ANALYTE	DRY WEIGHT Concentration												
	TTLC Wet wt mg/Kg	Jan-07 P372264	Feb-07 P375281	Mar-07 P378764	Apr-07 P383441	May-07 P386675	Jun-07 P389803	Jul-07 P394386	Aug-07 P397589	Sep-07 P401129	Oct-07 P405179	Nov-07 P409007	Dec-07 P412358
ANTIMONY	500	5.3	5.4	5.7	3.9	5.3	6.0	6.0	4.3	4.9	16.1	5.2	4.4
ARSENIC	500	3.1	3.7	3.3	2.1	3.4	2.5	3.0	2.6	3.4	3.3	3.2	5.5
BARUM	10000	298	453	504	526	415	320	231	459	314	168	219	401
BERYLLIUM	75	0.2	0.3	0.38	0.3	0.2	0.777	0.528	0.267	0.112	0.149	0.3	0.34
CADMIUM	100	1.4	1.3	2.0	2.0	2.6	2.2	1.7	1.6	1.5	1.8	1.4	1.3
CHROMIUM(VI)	500	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM(total)	2500	58.5	65.5	80.7	74.9	63.9	66.1	70.1	69	59.7	71.4	66.8	70
COBALT	8000	3.1	2.5	2.8	4.8	3.8	1.8	1.5	2.2	2.4	0.4	3.4	2.6
COPPER	2500	591	610	751	671	616	663	667	616	677	727	606	558
LEAD	1000	15.3	20	19.8	13.9	15.4	17.8	20.4	19	18	19.9	14.7	15.8
MERCURY	20	1.1	0.5	1.4	1.4	1.6	1.2	1.4	1.6	1.6	1.68	1.7	1.6
MOLYBDENUM	3500	12.9	14	17.2	15.6	16.6	18.8	21	23.8	22.3	20.1	16.8	16.8
NICKEL	2000	49.8	54.7	60.4	69.8	50.7	44.1	56.9	60.9	61.7	52.5	57.7	58
SELENIUM	100	4.1	5.2	3.9	4.0	5.0	5.8	4.9	4.3	5.0	5.17	4.3	4.2
SILVER	500	16.6	14.6	15.7	15.9	13.1	13.9	14.7	10.7	13.1	9.08	8.59	8.59
THALLIUM	700	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771	< 0.771
VANADIUM	2400	59.5	31.2	28.1	20.1	16.8	18.5	20.8	19.4	16.6	15.4	15.7	17.7
ZINC	5000	871	806	974	894	851	893	883	887	918	793	845	847
FLUORIDE	18000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SULFIDES-REACTIVE	NA	< 11	< 11	< 11	< 11.0	< 11.0	< 11	< 11	< 11	< 11	< 11.0	< 11	< 11
SULFIDES-TOTAL	NA	10500	15100	9525	10165	15150	18950	15550	19600	11600	23400	22100	16450

TTLC = Total Threshold Limit Concentration  
 STLC = Soluble Threshold Limit Concentration  
 NA = Not Analyzed, NS = Not Sampled  
 \* = The total concentration is less than 10 times the the STLC, therefore by definition this substance is below hazardous concentrations.

**ORGANICS**

**WET WEIGHT Concentration (calculated)**

ANALYTE	WET WEIGHT Concentration (calculated)												
	TTLC Wet wt mg/kg	MBCDEWCN Jan-07 P372264	MBCDEWCN Feb-07 P375281	MBCDEWCN Mar-07 P378764	MBCDEWCN Apr-07 P383441	MBCDEWCN May-07 P386675	MBCDEWCN Jun-07 P389803	MBCDEWCN Jul-07 P394386	MBCDEWCN Aug-07 P397589	MBCDEWCN Sep-07 P401129	MBCDEWCN Oct-07 P405179	MBCDEWCN Nov-07 P409007	MBCDEWCN Dec-07 P412358
ALDRIN	1.4	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd	nd
CHLORDANE	2.5	0.029	0.037	0	0.039	0.035	0.020	0.032	0.021	0.020	0.021	0.021	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	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	nd	nd	nd	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 (%)	30.2	27.8	27.8	29.2	28.3	27.7	28.7	27.0	26.5	27.3	27.2	27.2	27.4
pH	>2<12.5	7.92	7.80	7.91	7.92	7.77	7.82	7.73	7.70	7.85	7.67	7.86	7.86

**DRY WEIGHT Concentration**

ANALYTE	DRY WEIGHT Concentration												
	TTLC Wet wt mg/kg	MBCDEWCN Jan-07 P372264	MBCDEWCN Feb-07 P375281	MBCDEWCN Mar-07 P378764	MBCDEWCN Apr-07 P383441	MBCDEWCN May-07 P386675	MBCDEWCN Jun-07 P389803	MBCDEWCN Jul-07 P394386	MBCDEWCN Aug-07 P397589	MBCDEWCN Sep-07 P401129	MBCDEWCN Oct-07 P405179	MBCDEWCN Nov-07 P409007	MBCDEWCN Dec-07 P412358
ALDRIN	1.4	nd	nd	0.105	0.260	0.132	0.141	0.128	nd	0.077	0.119	0.079	nd
CHLORDANE	2.5	nd	0.105	0.260	0.132	0.141	0.128	0.128	nd	0.077	0.119	0.079	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	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	nd	nd	nd	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**

ANALYTE	STLC	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	
	Wet wt mg/L	Jan-07 P372264	Feb-07 P375281	Mar-07 P378764	Apr-07 P383441	May-07 P386675	Jun-07 P389803	Jul-07 P394386	Aug-07 P397589	Sep-07 P401129	Oct-07 P405179	Nov-07 P409007	Dec-07 P412358
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 STLC, this substance is below STLC limits by definition.

**WASTE EXTRACTION TEST - ORGANICS**

ANALYTE	STLC	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	MBCDEWCN	
	Wet wt mg/L	Jan-07 P372264	Feb-07 P375281	Mar-07 P378764	Apr-07 P383441	May-07 P386675	Jun-07 P389803	Jul-07 P394386	Aug-07 P397589	Sep-07 P401129	Oct-07 P405179	Nov-07 P409007	Dec-07 P412358
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	*	*	*	*	*	*	*	*	*	*	*	*

STLC = Total Threshold Limit Concentration

TTLC = Soluble Threshold Limit Concentration

NA = Not Analyzed, NS = Not Sampled

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