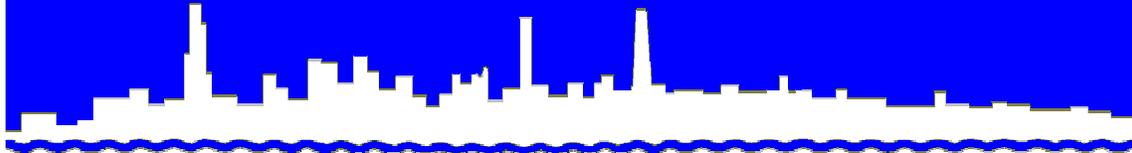


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 11-51

RIDGELAND AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

SECOND QUARTER 2011

AUGUST 2011

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Thomas C. Granato, Ph.D.
Acting Director of Monitoring and Research
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August 29, 2011

Mr. S. Alan Keller, P.E.
Manager, Permit Section
Illinois Environmental Protection Agency
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794 – 9276

Dear Mr. Keller:

Subject: Ridgeland Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2010-AO-0267, Monitoring Report for April, May, and June 2011

The attached table contains the monitoring data for the Ridgeland Avenue Solids Management Area for April, May, and June 2011 as required by the Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2010-AO-0267.

The data reported are as follows:

Table 1, Analysis of Water from Lysimeter L-2N at the Ridgeland Avenue Solids Management Area Sampled During April, May, and June 2011

No biosolids were placed in or removed from the solids drying area during April, May, and June 2011.

Very truly yours,

Thomas C. Granato, Ph.D.
Acting Director
Monitoring and Research

TCG:PL:cm
Attachments
cc w/att: Mr. Sulski, IEPA
Records Unit, IEPA
C. O'Connor

TABLE 1: ANALYSIS OF WATER FROM LYSIMETER L-2N
 AT THE RIDGELAND AVENUE SOLIDS MANAGEMENT
 AREA SAMPLED DURING APRIL, MAY, AND JUNE 2011

Parameter	Unit	Date Sampled		
		04/06/11	05/04/11	06/01/11
pH ¹		8.1	8.2	7.8
EC	mS/m	237	NA ²	261
Total Dissolved Solids	mg/L	2,202	2,204	2,388
Total Dissolved Organic Carbon	"	9	8	9
Cl ⁻	"	322	327	315
SO ₄ ⁼	"	313	243	268
TKN	"	41	40	39
NH ₃ -N	"	38	39	38
NO ₂ + NO ₃ -N	"	0.36	0.21	0.72
Total P	"	0.11	< 0.10	0.11
Alkalinity as CaCO ₃	"	547	859	852
Al	"	< 1.0	< 1.0	< 1.0
Ca	"	213	230	236
Cd	"	< 0.001	< 0.001	< 0.001
Cr	"	< 0.003	< 0.003	< 0.003
Cu	"	< 0.005	< 0.005	< 0.005
Fe	"	4	4	4
Hg	μg/L	< 0.20	< 0.20	< 0.20
K	mg/L	11	11	13
Mg	"	132	145	148
Mn	"	0.100	0.112	0.110
Na	"	104	110	120
Ni	"	< 0.008	< 0.008	< 0.008
Pb	"	< 0.03	< 0.03	< 0.03
Zn	"	< 0.02	< 0.02	< 0.02

¹pH analyzed beyond recommended holding time of 15 minutes.

²No analysis; insufficient sample.