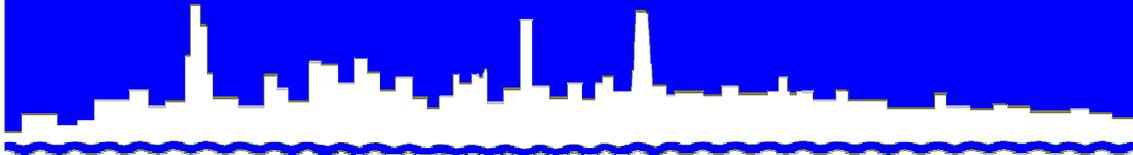


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 11-13

RIDGELAND AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

FOURTH QUARTER 2010

MARCH 2011

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Thomas C. Granato, Ph.D.
Acting Director of Monitoring and Research
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March 7, 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 October, November, and December 2010

The attached table contains the monitoring data for the Ridgeland Avenue Solids Management Area for October, November, and December 2010 as required by Illinois Environmental Protection Agency 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 October, November, and December 2010

No biosolids were placed in or removed from the solids drying area during October, November, and December 2010.

Very truly yours,

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

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

TABLE 1: ANALYSIS OF WATER FROM LYSIMETER L-2N
AT THE RIDGELAND AVENUE SOLIDS MANAGEMENT
AREA SAMPLED DURING OCTOBER, NOVEMBER, AND DECEMBER 2010

Parameter	Unit	Date Sampled		
		10/06/10	11/03/10	12/01/10
pH ¹		8.1	8.1	8.1
EC	mS/m	266	268	221
Total Dissolved Solids	mg/L	2,408	1,890	1,720
Total Dissolved Organic Carbon	"	10	10	6
Cl ⁻	"	NA ²	312	332
SO ₄ ⁼	"	331	332	286
TKN	"	38	38	42
NH ₃ -N	"	38	32	40
NO ₂ + NO ₃ -N	"	< 0.04	0.19	0.07
Total P	"	< 0.10	< 0.10	0.12
Alkalinity as CaCO ₃	"	801	678	811
Al	"	< 1.0	< 1.0	< 1.0
Ca	"	252	261	235
Cd	"	< 0.001	< 0.001	< 0.001
Cr	"	< 0.003	< 0.003	< 0.003
Cu	"	< 0.005	< 0.005	< 0.005
Fe	"	5	5	4
Hg	μg/L	< 0.20	< 0.20	< 0.20
K	mg/L	12	11	12
Mg	"	144	145	146
Mn	"	0.137	0.145	0.100
Na	"	107	109	112
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.