

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 11-37

RIDGELAND AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

FIRST QUARTER 2011

JUNE 2011

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June 6, 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 January, February, and March 2011

The attached table contains the monitoring data for the Ridgeland Avenue Solids Management Area for January, February, and March 2011 as required by 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 January, February, and March 2011

No biosolids were placed in or removed from the solids drying area during January, February, and March 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
Granato/O'Connor

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

Parameter	Unit	Date Sampled		
		01/26/11	02/16/11	03/02/11
pH ¹			8.1	8.0
EC	mS/m		271	258
Total Dissolved Solids	mg/L		1,858	1,866
Total Dissolved Organic Carbon	"		9	7
Cl ⁻	"		355	163
SO ₄ ⁼	"		369	334
		L		
TKN	"	Y	38	39
NH ₃ -N	"	S	38	38
NO ₂ + NO ₃ -N	"	I	0.10	0.06
Total P	"	M	< 0.10	< 0.10
Alkalinity as CaCO ₃	"	E	736	864
		T		
Al	"	E	< 1.0	< 1.0
Ca	"	R	241	243
Cd	"		< 0.001	< 0.001
Cr	"	F	< 0.003	< 0.003
Cu	"	R	< 0.005	< 0.005
		O		
Fe	"	Z	3	3
Hg	μg/L	E	< 0.20	< 0.20
K	mg/L	N	12	11
Mg	"		144	143
Mn	"		0.122	0.126
Na	"		113	114
Ni	"		< 0.008	< 0.008
Pb	"		< 0.03	< 0.03
Zn	"		< 0.02	< 0.02

¹pH analyzed beyond recommended holding time of 15 minutes.