

*Protecting Our Water Environment*



***Metropolitan Water Reclamation District of Greater Chicago***

*MONITORING AND RESEARCH  
DEPARTMENT*

***REPORT NO. 13-17***

***RIDGELAND AVENUE SOLIDS MANAGEMENT AREA***

***MONITORING REPORT FOR***

***FIRST QUARTER 2013***

***MAY 2013***

**Protecting Our Water Environment**



**Metropolitan Water Reclamation District of Greater Chicago**

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May 24, 2013

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 2013

The attached table contains the monitoring data for the Ridgeland Avenue Solids Management Area for January, February, and March 2013 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 2013.

No biosolids were placed in or removed from the solids drying area during January, February, and March 2013.

Very truly yours,

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

TCG:PL:cm  
Attachment  
Records Unit, IEPA

TABLE 1: ANALYSIS OF WATER FROM LYSIMETER L-2N  
AT THE RIDGELAND AVENUE SOLIDS MANAGEMENT  
AREA SAMPLED DURING JANUARY, FEBRUARY, AND MARCH 2013

Parameter	Unit	Date Sampled		
		01/09/13	02/07/13	03/27/13
pH <sup>1</sup>		8.1	7.8	8.0
EC	mS/m	274	282	282
Total Dissolved Solids	mg/L	1,188	1,858	1,834
Total Dissolved Organic Carbon	"	7	7	8
Cl <sup>-</sup>	"	347	363	377
SO <sub>4</sub> <sup>=</sup>	"	370	295	305
TKN	"	34	34	33
NH <sub>3</sub> -N	"	35	36	32
NO <sub>2</sub> + NO <sub>3</sub> -N	"	3.4	3.1	6.0
Total P	"	< 0.20	< 0.20	< 0.20
Alkalinity as CaCO <sub>3</sub>	"	775	746	759
Al	"	< 1.0	< 1.0	< 1.0
Ca	"	250	225	234
Cd	"	< 0.001	< 0.001	< 0.001
Cr	"	< 0.005	< 0.005	< 0.005
Cu	"	< 0.005	< 0.005	< 0.005
Fe	"	3	2	< 0.1
Hg	μg/L	< 0.20	< 0.20	< 0.20
K	mg/L	14	14	13
Mg	"	162	158	159
Mn	"	0.102	0.065	0.073
Na	"	132	124	130
Ni	"	< 0.005	< 0.005	< 0.005
Pb	"	< 0.02	< 0.02	< 0.02
Zn	"	< 0.01	< 0.01	< 0.01

<sup>1</sup>pH analyzed beyond recommended holding time of 15 minutes.