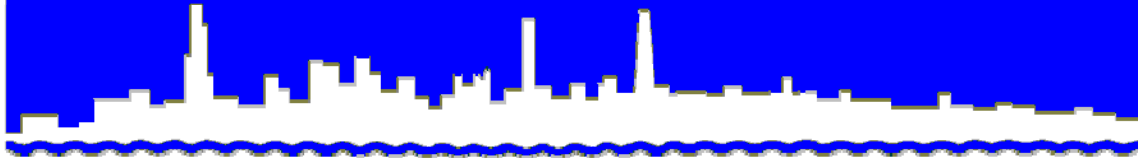


*Protecting Our Water Environment*



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

*MONITORING AND RESEARCH  
DEPARTMENT*

***REPORT NO. 13-8***

***RIDGELAND AVENUE SOLIDS MANAGEMENT AREA***

***MONITORING REPORT FOR***

***FOURTH QUARTER 2012***

***March 2013***



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**Metropolitan Water Reclamation District of Greater Chicago**

100 East Erie Street Chicago, Illinois 60611-3154 312.751.5190

**THOMAS C. GRANATO, Ph.D.**  
Director of Monitoring and Research

March 8, 2013

312.751.5190 f: 312.751.5194  
thomas.granato@mwrdd.org

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 2012

The attached table contains the monitoring data for the Ridgeland Avenue Solids Management Area for October, November, and December 2012 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 October, November, and December 2012

No biosolids were placed in or removed from the solids drying area during October, November, and December 2012.

Very truly yours,

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

TCG:PL:cm  
Attachments  
cc w/att: Mr. J. Patel, IEPA  
Region 2 – Des Plaines  
Records Unit, IEPA

TABLE 1: ANALYSIS OF WATER FROM LYSIMETER L-2N  
AT THE RIDGELAND AVENUE SOLIDS MANAGEMENT  
AREA SAMPLED DURING OCTOBER, NOVEMBER, AND DECEMBER 2012

Parameter	Unit	Date Sampled		
		10/03/12	11/07/12	12/05/12
pH <sup>1</sup>		8.0	8.0	7.9
EC	mS/m	277	287	290
Total Dissolved Solids	mg/L	2,118	2,256	2,316
Total Dissolved Organic Carbon	"	8	11	7
Cl <sup>-</sup>	"	376	356	364
SO <sub>4</sub> <sup>=</sup>	"	NRR <sup>2</sup>	142	390
TKN	"	40	35	33
NH <sub>3</sub> -N	"	37	34	36
NO <sub>2</sub> + NO <sub>3</sub> -N	"	2.7	3.5	2.0
Total P	"	0.14	< 0.10	< 0.10
Alkalinity as CaCO <sub>3</sub>	"	605	682	860
Al	"	< 1.0	< 1.0	< 1.0
Ca	"	238	263	268
Cd	"	< 0.001	< 0.001	< 0.001
Cr	"	< 0.005	< 0.005	< 0.005
Cu	"	< 0.005	< 0.005	< 0.005
Fe	"	5	3	4
Hg	μg/L	< 0.20	< 0.20	< 0.20
K	mg/L	12	10	12
Mg	"	143	139	147
Mn	"	0.092	0.147	0.133
Na	"	122	115	125
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.

<sup>2</sup>No reportable result.