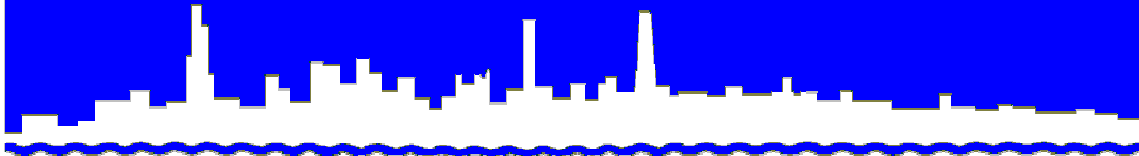


*Protecting Our Water Environment*



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

***MONITORING AND RESEARCH  
DEPARTMENT***

***REPORT NO. 10-53***

***RIDGELAND AVENUE SOLIDS MANAGEMENT AREA***

***MONITORING REPORT FOR***

***THIRD QUARTER 2010***

***NOVEMBER 2010***

# Protecting Our Water Environment

## Board of Commissioners

Terrence J. O'Brien  
*President*  
Kathleen Therese Meany  
*Vice President*  
Gloria Alitto Majewski  
*Chairman of Finance*  
Frank Avila  
Patricia Horton  
Barbara J. McGowan  
Cynthia M. Santos  
Debra Shore  
Mariyana T. Spyropoulos

## Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street

Chicago, Illinois 60611-3154

312.751.5190

### Louis Kollias, P.E., BCEE

Director of Monitoring and Research

[louis.kollias@mwr.org](mailto:louis.kollias@mwr.org)

November 30, 2010

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 July, August, and September 2010

The attached table contains the monitoring data for the Ridgeland Avenue Solids Management Area for July, August, and September 2010 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 July, August, and September 2010

No biosolids were placed in or removed from the solids drying area during July, August, and September 2010.

Very truly yours,

Louis Kollias  
Director  
Monitoring and Research

LK: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 JULY, AUGUST, AND SEPTEMBER 2010

Parameter	Unit	Date Sampled		
		07/07/10	08/11/10	09/01/10
pH <sup>1</sup>		8.1	7.7	8.0
EC	mS/m	264	268	265
Total Dissolved Solids	mg/L	2,240	2,528	2,214
Total Dissolved Organic Carbon	"	8	7	7
Cl <sup>-</sup>	"	302	310	291
SO <sub>4</sub> <sup>=</sup>	"	278	336	330
TKN	"	37	38	39
NH <sub>3</sub> -N	"	38	37	37
NO <sub>2</sub> + NO <sub>3</sub> -N	"	< 0.04	< 0.04	0.07
Total P	"	< 0.10	0.15	< 0.10
Alkalinity as CaCO <sub>3</sub>	"	757	814	851
Al	"	0.062	0.063	0.063
Ca	"	220	237	253
Cd	"	< 0.003	< 0.003	< 0.003
Cr	"	< 0.003	0.009	0.009
Cu	"	< 0.008	< 0.008	< 0.008
Fe	"	2.08	3.99	5.05
Hg	μg/L	< 0.20	< 0.20	< 0.20
K	mg/L	11	11	11
Mg	"	141	139	140
Mn	"	0.103	0.127	0.140
Na	"	106	103	103
Ni	"	< 0.004	< 0.004	< 0.004
Pb	"	< 0.020	< 0.020	< 0.020
Zn	"	< 0.015	< 0.015	< 0.015

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