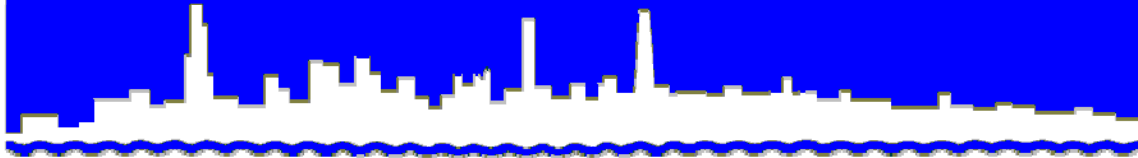


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

*MONITORING AND RESEARCH
DEPARTMENT*

REPORT NO. 12-54

RIDGELAND AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

THIRD QUARTER 2012

DECEMBER 2012

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 Department
thomas.granato@mwr.org

December 21, 2012

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 2012

The attached table contains the monitoring data for the Ridgeland Avenue Solids Management Area for July, August, and September 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 July, August, and September 2012

No biosolids were placed in or removed from the solids drying area during July, August, and September 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 JULY, AUGUST, AND SEPTEMBER 2012

Parameter	Unit	Date Sampled		
		07/18/12	08/01/12	09/05/12
pH ¹		8.0	8.1	8.1
EC	mS/m	279	286	273
Total Dissolved Solids	mg/L	2,710	2,728	2,290
Total Dissolved Organic Carbon	"	7	10	9
Cl ⁻	"	379	364	372
SO ₄ ⁼	"	293	292	304
TKN	"	37	40	36
NH ₃ -N	"	35	37	38
NO ₂ + NO ₃ -N	"	3.8	1.4	1.2
Total P	"	< 0.10	< 0.10	< 0.10
Alkalinity as CaCO ₃	"	864	923	879
Al	"	< 1.0	< 1.0	< 1.0
Ca	"	228	250	242
Cd	"	< 0.001	< 0.001	< 0.001
Cr	"	< 0.005	< 0.005	< 0.005
Cu	"	< 0.005	< 0.005	< 0.005
Fe	"	3	4	3
Hg	μg/L	< 0.20	< 0.20	< 0.20
K	mg/L	12	12	12
Mg	"	148	146	147
Mn	"	0.087	0.113	0.103
Na	"	124	127	124
Ni	"	< 0.005	< 0.005	< 0.005
Pb	"	< 0.02	< 0.02	< 0.02
Zn	"	0.03	< 0.01	< 0.01

¹pH analyzed beyond recommended holding time of 15 minutes.