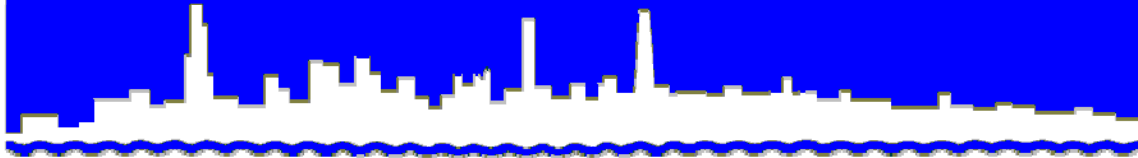


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

*MONITORING AND RESEARCH
DEPARTMENT*

REPORT NO. 13-46

RIDGELAND AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

THIRD QUARTER 2013

NOVEMBER 2013

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

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November 18, 2013

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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 2013

The attached table contains the monitoring data for the Ridgeland Avenue Solids Management Area for July, August, and September 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 July, August, and September 2013

No biosolids were placed in or removed from the solids drying area during July, August, and September 2013.

Very truly yours,

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

TCG:PL:cm

Attachments

cc w/att: Mr. J. Patel, IEPA
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 2013

Parameter	Unit	Date Sampled		
		07/10/13	08/07/13	09/04/13
pH ¹		7.8	8.1	7.9
EC	mS/m	237	242	219
Total Dissolved Solids	mg/L	2,444	2,276	1,208
Total Dissolved Organic Carbon	"	7	8	7
Cl ⁻	"	345	336	376
SO ₄ ⁼	"	302	339	314
Alkalinity as CaCO ₃	"	NA ²	762	624
TKN	"	32	35	34
NH ₃ -N	"	33	34	34
NO ₂ + NO ₃ -N	"	5.4	5.4	5.4
Total P	"	< 0.20	< 0.20	< 0.20
Al	"	< 1.0	< 1.0	< 1.0
Ca	"	232	232	235
Cd	"	< 0.001	< 0.001	< 0.001
Cr	"	< 0.005	< 0.005	< 0.005
Cu	"	< 0.005	< 0.005	< 0.005
Fe	"	2	0.2	2
Hg	μg/L	< 0.20	< 0.20	< 0.20
K	mg/L	14	14	14
Mg	"	155	157	153
Mn	"	0.081	0.080	0.085
Na	"	125	126	126
Ni	"	< 0.005	< 0.005	< 0.005
Pb	"	< 0.02	< 0.02	< 0.02
Zn	"	< 0.01	0.02	< 0.01

¹pH analyzed beyond recommended holding time of 15 minutes.

²No analysis; insufficient sample.