MONITORING AND RESEARCH DEPARTMENT

REPORT NO. 13-32

RIDGELAND AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

SECOND QUARTER 2013

AUGUST 2013

Protecting Our Water Environment

Metropolitan Water Reclamation District of Greater Chicago
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August 22, 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 April, May, and June 2013

The attached table contains the monitoring data for the Ridgeland Avenue Solids Management Area for April, May, and June 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 April, May, and June 2013

No biosolids were placed in or removed from the solids drying area during April, May, and June 2013.

Very truly yours,

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

TCG:PL:cm
Attachments
cc w/att: Mr. Patel, IEPA
Records Unit, IEPA

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

Parameter	Unit	Date Sampled		
		04/03/13	05/01/13	06/05/13
pH[1]		7.9	8.0	7.7
EC	mS/m	286	284	269
Total Dissolved Solids	mg/L	1,992	2,210	2,240
Total Dissolved Organic Carbon	"	6	7	7
Cl^-	"	366	NA[2]	338
$SO_4^=$	"	302	301	288
Alkalinity as $CaCO_3$	"	878	NA[2]	641
TKN	"	33	42	33
NH_3-N	"	33	35	32
$NO_2 + NO_3$-N	"	1.5	4.4	4.8
Total P	"	< 0.20	< 0.20	< 0.20
Al	"	< 1	< 1	< 1
Ca	"	232	237	216
Cd	"	< 0.001	< 0.001	< 0.001
Cr	"	< 0.005	< 0.005	< 0.005
Cu	"	< 0.005	< 0.005	0.008
Fe	"	3	2	< 0.1
Hg	μg/L	< 0.200	< 0.200	< 0.200
K	mg/L	15	14	16
Mg	"	148	159	147
Mn	"	0.093	0.088	0.083
Na	"	141	133	114
Ni	"	< 0.005	< 0.005	0.011
Pb	"	< 0.02	< 0.02	< 0.02
Zn	"	< 0.01	< 0.01	0.05

[1]pH analyzed beyond recommended holding time of 15 minutes.

[2]No analysis.