

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

*MONITORING AND RESEARCH
DEPARTMENT*

REPORT NO. 14-48

122ND AND STONY ISLAND AVENUE SOLIDS MANAGEMENT

AREA MONITORING REPORT FOR

THIRD QUARTER 2014

November 2014

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

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November 14, 2014

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: 122nd and Stony Island Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2010-AO-0267-1, Monitoring Report for July, August, and September 2014

The attached table contains the monitoring data for the 122nd and Stony Island Avenue Solids Management Area for July, August, and September 2014 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2010-AO-0267-1.

The data reported are as follows:

Table 1, Analysis of Water from Lysimeters L-1 through L-4 at the 122nd and Stony Island Avenue Solids Management Area Sampled on July 9, 2014.

No biosolids were placed in the solids drying area during July, August, and September 2014. Based on the requirements of the revised IEPA permit issued on January 27, 2014, and effective immediately, analysis of biosolids removed from this site will no longer be reported under this permit. The list of parameters for lysimeter samples has also been modified to include only pH, Cl⁻, SO₄²⁻, and NO₂+NO₃-N.

Very truly yours,

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

TCG:DB:cm

Attachment

cc w/att: Mr. J. Patel, IEPA
Records Unit, IEPA

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1 THROUGH L-4 AT THE
122ND AND STONY ISLAND AVENUE SOLIDS MANAGEMENT
AREA SAMPLED ON JULY 9, 2014

Parameter	Lysimeter No.			
	L-1	L-2	L-3 ²	L-4
pH ¹	6.9	6.8	7.1	7.5
	----- mg L ⁻¹ -----			
Cl ⁻	208	463	104	240
SO ₄ ²⁻	332	832	NA ³	13
NO ₂ +NO ₃ -N	< 0.15	< 0.15	< 0.15	< 0.15

¹pH analyzed beyond recommended holding time of 15 minutes.

²Sampled September 24, 2014. Lysimeter was inaccessible on July 9, 2014, due to weed overgrowth.

³No analysis; insufficient sample.