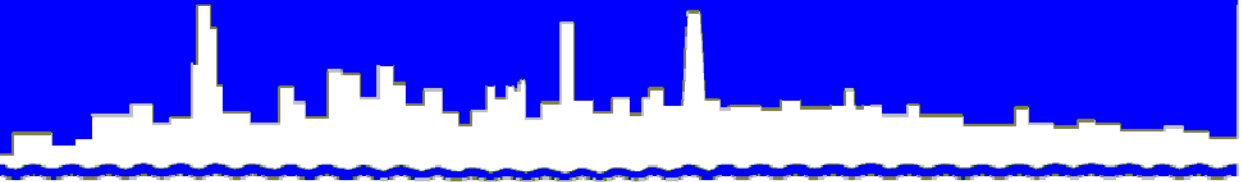


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

*MONITORING AND RESEARCH
DEPARTMENT*

REPORT NO. 16-43

122nd AND STONY ISLAND AVENUE SOLIDS MANAGEMENT

AREA MONITORING REPORT FOR

THIRD QUARTER 2016

December 2016

Protecting Our Water Environment

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THOMAS C. GRANATO, Ph.D., BCES

Director of Monitoring and Research

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December 16, 2016

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. 2015-AO-59623, Monitoring Report for July, August, and September 2016

The attached table contains the monitoring data for the 122nd and Stony Island Avenue Solids Management Area for July, August, and September 2016 as required by Illinois Environmental Protection Agency Operating Permit No. 2015-AO-59623. No biosolids were placed in the solids drying area during July, August, and September 2016. 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 August 17, 2016.

Very truly yours,

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

TCG:HZ:DB:cm

Attachment

cc/att: Mr. J. Patel, IEPA
Records Unit, IEPA
Mr. E. Podczerwinski
Dr. H. Zhang
Dr. A. Cox
Dr. G. Tian
Dr. D. Brose

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1 THROUGH L-4 AT THE
 122nd AND STONY ISLAND AVENUE SOLIDS MANAGEMENT
 AREA SAMPLED ON AUGUST 17, 2016

Parameter	Lysimeter No.			
	L-1	L-2	L-3	L-4
pH ¹	7.1	7.2	7.2	7.3
	----- mg L ⁻¹ -----			
Cl ⁻	209	380	93	210
SO ₄ ²⁻	235	128	142	104
NO ₂ +NO ₃ -N	<0.15	<0.15	<0.15	0.25

¹pH analyzed beyond recommended holding time of 15 minutes.