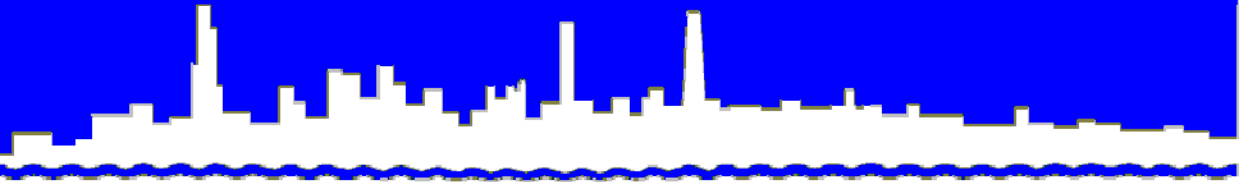


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

*MONITORING AND RESEARCH
DEPARTMENT*

REPORT NO. 16-29

122nd AND STONY ISLAND AVENUE SOLIDS MANAGEMENT

AREA MONITORING REPORT FOR

SECOND QUARTER 2016

August 2016

Protecting Our Water Environment

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Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street Chicago, Illinois 60611-3154 f: 312.751.5194 312.751.5190

THOMAS C. GRANATO, Ph.D., BCES

Director of Monitoring and Research

thomas.granato@mwrdd.org

August 23, 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 April, May, and June 2016

The attached table contains the monitoring data for the 122nd and Stony Island Avenue Solids Management Area for April, May, and June 2016 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2015-AO-59623. No biosolids were placed in the solids drying area during April, May, and June 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 May 18, 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
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 MAY 18, 2016

Parameter	Lysimeter No.			
	L-1	L-2	L-3	L-4
pH ¹	7.0	7.2	7.4	7.5
	----- mg L ⁻¹ -----			
Cl ⁻	308	401	94	207
SO ₄ ²⁻	115	119	84	60
NO ₂ +NO ₃ -N	<0.15	<0.15	<0.15	0.76

¹pH analyzed beyond recommended holding time of 15 minutes.