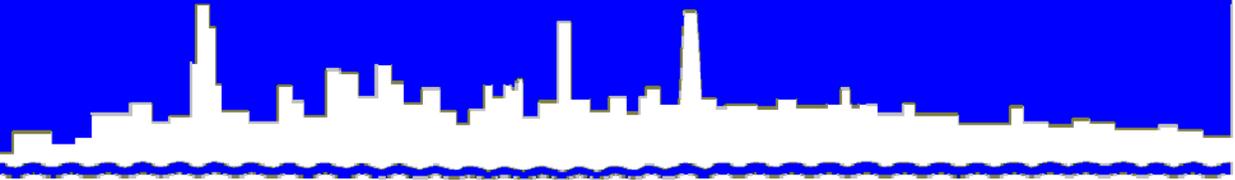


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

*MONITORING AND RESEARCH
DEPARTMENT*

REPORT NO. 16-12

122nd AND STONY ISLAND AVENUE SOLIDS MANAGEMENT

AREA MONITORING REPORT FOR

FIRST QUARTER 2016

May 2016

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THOMAS C. GRANATO, Ph.D., BCES

Director of Monitoring and Research

May 20, 2016

thomas.granato@mwrdd.org

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 January, February, and March 2016

The attached table contains the monitoring data for the 122nd and Stony Island Avenue Solids Management Area for January, February, and March 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 January, February, and March 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 March 9, 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. L. Hundal
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 MARCH 9, 2016

Parameter	Lysimeter No.			
	L-1	L-2	L-3	L-4
pH ¹	7.2	7.3	NRR ²	7.8
	----- mg L ⁻¹ -----			
Cl ⁻	272	420	49	219
SO ₄ ²⁻	220	71	78	22
NO ₂ +NO ₃ -N	0.28	<0.15	0.43	0.32

¹pH analyzed beyond recommended holding time of 15 minutes.

²NRR=no reportable results. Insufficient sample volume.