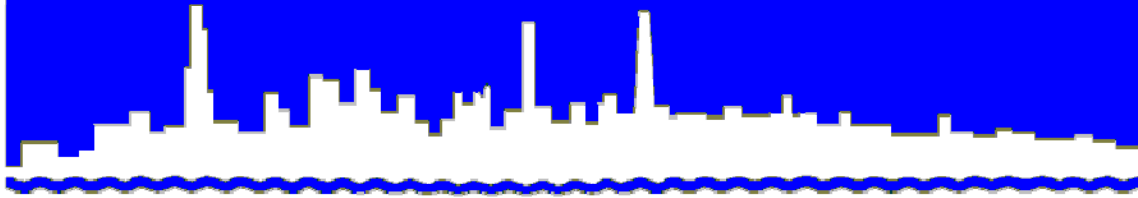


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

*MONITORING AND RESEARCH
DEPARTMENT*

REPORT NO. 17-07

122nd AND STONY ISLAND AVENUE SOLIDS MANAGEMENT

AREA MONITORING REPORT FOR

FOURTH QUARTER 2016

FEBRUARY 2017

Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street Chicago, Illinois 60611-2803 312-751-5600

**122nd AND STONY ISLAND AVENUE SOLIDS MANAGEMENT
AREA MONITORING REPORT FOR
FOURTH QUARTER 2016**

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**CECIL LUE-HING RESEARCH AND DEVELOPMENT COMPLEX
6001 WEST PERSHING ROAD CICERO, ILLINOIS 60804-4112**

February 24, 2017

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 October, November, and December 2016

The attached table contains the monitoring data for the 122nd and Stony Island Avenue Solids Management Area for October, November, and December 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 October, November, and December 2016.

In a letter dated August 30, 2016, the Metropolitan Water Reclamation District of Greater Chicago requested IEPA's approval to suspend monitoring at Stony Island Avenue Solids Management Area until biosolids drying resumes, and this would be implemented within 60 days if no response was received from IEPA. No response was received; thus, the lysimeter monitoring at the site is terminated, and this will be the final report until biosolids drying resumes.

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,

Albert E. Cox, Ph.D.
Environmental Monitoring and Research Manager
Monitoring and Research Department

AC:DB:cm
Attachment

cc/att: Mr. J. Patel, IEPA/Records Unit, IEPA
Dr. T. Granato/Mr. E. Podczerwinski
Dr. H. Zhang/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 DECEMBER 5, 2016

Parameter	Lysimeter No.			
	L-1	L-2	L-3	L-4
pH ¹	7.0	7.1	7.1	7.2
	----- mg L ⁻¹ -----			
Cl ⁻	177	369	89	205
SO ₄ ²⁻	231	44	185	147
NO ₂ +NO ₃ □N	<0.15	<0.15	<0.15	<0.15

¹pH analyzed beyond recommended holding time of 15 minutes.