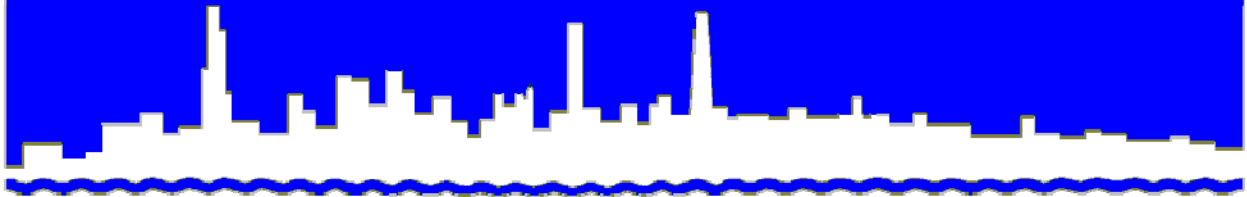


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

*MONITORING AND RESEARCH
DEPARTMENT*

REPORT NO. 17-16

HARLEM AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

FIRST QUARTER 2017

May 2017

Protecting Our Water Environment

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Edward W. Podczerwinski, P.E.
Acting Director of Monitoring and Research

May 18, 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: Harlem Avenue Solids Management Area - Stickney Water Reclamation Plant,
Illinois Environmental Protection Agency Permit No. 2014-AO-58836,
Monitoring Report for January, February, and March 2017

The attached tables contain the monitoring data for the Harlem Avenue Solids Management Area for January, February, and March 2017 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2014-AO-58836. No biosolids were placed in the solids drying area during January, February, or March 2017.

Table 1 Analysis of Water from Lysimeters L-1N1 Through L-3N at the Harlem Solids Management Area Sampled on February 22, 2017.

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
Mr. E. Podczerwinski
Dr. H. Zhang
Dr. D. Brose

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

**HARLEM AVENUE SOLIDS MANAGEMENT AREA
MONITORING REPORT FOR
FIRST QUARTER 2017**

Monitoring and Research Department
Edward W. Podczewinski, Acting Director

May 2017

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N1 THROUGH L-3N
 AT THE HARLEM AVENUE SOLIDS MANAGEMENT AREA SAMPLED
 ON FEBRUARY 22, 2017

Parameter	Lysimeter No.		
	L-1N1	L-2N	L-3N
pH ¹	7.4	7.4	7.9
	----- mg L ⁻¹ -----		
Cl ⁻	93	29	163
SO ₄ ²⁻	30	1,793	336
NO ₂ +NO ₃ -N	0.68	5.0	<0.150

¹pH analyzed beyond recommended holding time of 15 minutes.