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

Metropolitan Water Reclamation District of Greater Chicago

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

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

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Edward W. Podczerwinski, Acting Director

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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

[1]pH analyzed beyond recommended holding time of 15 minutes.