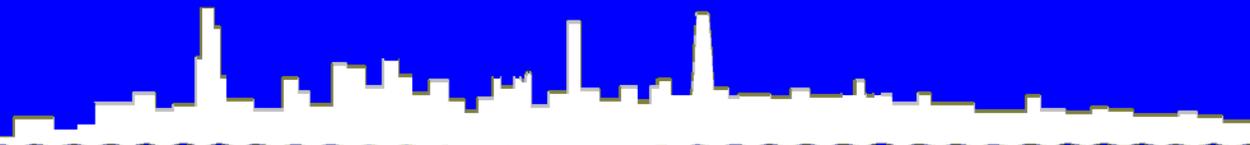


*Protecting Our Water Environment*



***Metropolitan Water Reclamation District of Greater Chicago***

*MONITORING AND RESEARCH  
DEPARTMENT*

***REPORT NO. 16-13***

***HARLEM AVENUE SOLIDS MANAGEMENT AREA***

***MONITORING REPORT FOR***

***FIRST QUARTER 2016***

***May 2016***

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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

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: 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 2016

The attached tables contain the monitoring data for the Harlem Avenue Solids Management Area for January, February, and March 2016 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2014-AO-58836. Biosolids were placed in the solids drying area during March 2016.

Table 1 Analysis of Water from Lysimeters L-1N1 through L-3N at the Harlem Solids Management Area Sampled on March 16, 2016.

Table 2 Analysis of Biosolids Placed in the Harlem Avenue Solids Management Area During March 2016.

Very truly yours,

Thomas C. Granato, Ph.D., BCES  
Director  
Monitoring and Research

TCG:HZ:DB:cm

Attachments

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-1N1 THROUGH L-3N  
 AT THE HARLEM AVENUE SOLIDS MANAGEMENT AREA SAMPLED  
 ON MARCH 16, 2016

Parameter	Lysimeter No.		
	L-1N1	L-2N	L-3N
pH <sup>1</sup>	NRR <sup>1</sup>	NRR	NRR
	----- mg L <sup>-1</sup> -----		
Cl <sup>-</sup>	93	32	170
SO <sub>4</sub> <sup>2-</sup>	17	1,930	303
NO <sub>2</sub> +NO <sub>3</sub> -N	0.30	14	<0.15

<sup>1</sup>NRR=no reportable results. No thermal preservation in analytical laboratory due to cooler breakdown.

TABLE 2: ANALYSIS OF BIOSOLIDS PLACED IN THE HARLEM AVENUE SOLIDS MANAGEMENT AREA DURING MARCH 2016

Parameter	Analysis <sup>1</sup>
pH	8.1
	---- % ----
Total Solids	23
Total Volatile Solids <sup>2</sup>	59

<sup>1</sup>One sample.

<sup>2</sup>Total volatile solids as a percentage of total solids.