

*Protecting Our Water Environment*



***MONITORING AND RESEARCH  
DEPARTMENT***

*REPORT NO. 19-05*

*HARLEM AVENUE SOLIDS MANAGEMENT AREA*

*MONITORING REPORT FOR*

*FOURTH QUARTER 2018*

*March 2019*

**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  
FOURTH QUARTER 2018**

**Monitoring and Research Department**  
**Edward W. Podczewinski, Director**

**March 2019**

## Protecting Our Water Environment

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

February 26, 2019

Mr. Roger Callaway  
Illinois Environmental Protection Agency  
Bureau of Water  
DWPC Compliance Section #19  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, Illinois 62794-9274

Dear Mr. Callaway:

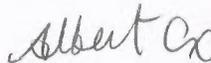
Subject: Harlem Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2014-AO-58836, Monitoring Report for October, November, and December 2018

The attached tables contain the monitoring data for the Harlem Avenue Solids Management Area for October, November, and December 2018 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2014-AO-58836. Biosolids were placed in the solids drying area during October.

Table 1 Analysis of Water from Lysimeters L-1N1 Through L-3N at the Harlem Avenue Solids Management Area Sampled on November 14, 2018.

Table 2 Analysis of Biosolids Placed in the Harlem Avenue Solids Management Area During October 2018.

Very truly yours,

  
Albert E. Cox  
Environmental Monitoring and Research Manager  
Monitoring and Research Department

AC:DB:cm

Attachments

cc/att: Mr. J. Patel, IEPA, Records Unit, IEPA  
Dr. H. Zhang/Dr. G. Tian/Dr. D. Brose

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N1 THROUGH L-3N AT THE HARLEM AVENUE SOLIDS MANAGEMENT AREA SAMPLED ON NOVEMBER 14, 2018

Parameter	Lysimeter No.		
	L-1N1	L-2N	L-3N <sup>1</sup>
pH	7.0	7.7	8.0
	----- mg L <sup>-1</sup> -----		
Cl <sup>-</sup>	91	30	137
SO <sub>4</sub> <sup>2-</sup>	27	1,800	385
NO <sub>2</sub> +NO <sub>3</sub> -N	<0.25	31	<0.25

<sup>1</sup>Sampled on December 12.

TABLE 2: ANALYSIS OF BIOSOLIDS PLACED IN THE HARLEM AVENUE SOLIDS MANAGEMENT AREA DURING OCTOBER 2018

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Parameter	Analysis <sup>1</sup>
pH	8.1
	---- % ----
Total Solids	21
Total Volatile Solids <sup>2</sup>	48

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<sup>1</sup>Mean of two samples.

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