

*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

*MONITORING AND RESEARCH  
DEPARTMENT*

*REPORT NO. 20-32*

*HARLEM AVENUE SOLIDS MANAGEMENT AREA*

*MONITORING REPORT FOR*

*THIRD QUARTER 2020*

*November 2020*

**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  
THIRD QUARTER 2020**

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

**November 2020**

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

November 12, 2020

Mr. Jim Miles  
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. Miles:

Subject: Harlem Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2019-AO-63958, Monitoring Report for July, August, and September 2020

The attached table contains the monitoring data for the Harlem Avenue Solids Management Area for July, August, and September 2020 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2019-AO-63958. Biosolids were placed in the solids drying area in September, and analytical results for pH, total solids, and volatile solids have been retained to be accessible for inspection.

Table 1 Analysis of Water from Lysimeters L-1N1 Through L-3N at the Harlem Avenue Solids Management Area Sampled on August 4, 2020.

Very truly yours,



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

AC:BM:cm  
Attachments  
cc/att: Mr. J. Patel, IEPA  
Ms. C. Siders, IEPA  
Dr. H. Zhang

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N1 THROUGH L-3N AT THE HARLEM AVENUE SOLIDS MANAGEMENT AREA SAMPLED ON AUGUST 4, 2020<sup>1</sup>

Parameter	Lysimeter No.		
	L-1N1	L-2N	L-3N
pH	7.8	6.6	6.8
	----- mg L <sup>-1</sup> -----		
Cl <sup>-</sup>	91	24	143
SO <sub>4</sub> <sup>2-</sup>	NDR2	1,517	372
NO <sub>2</sub> <sup>-</sup> +NO <sub>3</sub> <sup>-</sup> -N	3.12	21.9	<0.25

<sup>1</sup>Lysimeters were re-sampled on October 1, 2020 for SO<sub>4</sub> analyses as the results of the August sampling were canceled by the analytical lab due to cold room temperature reading above the acceptable range.

<sup>2</sup>No data reportable. Lysimeter L-1N1 did not produce adequate sample for analysis during re-sampling on October 1, 2020.