

*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***MONITORING AND RESEARCH  
DEPARTMENT***

*REPORT NO. 22-03*

*HARLEM AVENUE SOLIDS MANAGEMENT AREA*

*MONITORING REPORT FOR*

*FOURTH QUARTER 2021*

*February 2022*

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

February 17, 2022

Ms. Catherine Siders  
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 Ms. Siders:

Subject: Harlem Avenue Solids Management Area - Stickney Water Reclamation Plant,  
Illinois Environmental Protection Agency Permit No. 2019-AO-63958,  
Monitoring Report for October, November, and December 2021

The attached table contains the monitoring data for the Harlem Avenue Solids Management Area for October, November, and December 2021, as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2019-AO-63958. Biosolids were not placed in the solids drying area during the fourth quarter of 2021.

Table 1 Analysis of Water from Lysimeters L-1N1 Through L-3N at the Harlem Avenue Solids Management Area Sampled on November 19, 2021.

Very truly yours,



Albert E. Cox, Ph.D.  
Environmental Monitoring and Research Manager  
Monitoring and Research Department

AC:lf

Attachment

cc: Mr. J. Patel, IEPA  
Mr. T. Bennett, IEPA  
Mr. B. Fleming, IEPA  
Dr. H. Zhang

**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 2021**

**By**

**Benjamin Morgan**  
**Environmental Soil Scientist**

**Albert Cox Environmental**  
**Monitoring and Research Manager**

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N1 THROUGH L-3N AT THE HARLEM AVENUE SOLIDS MANAGEMENT AREA SAMPLED ON NOVEMBER 19, 2021

Parameter	Lysimeter No.		
	L-1N1	L-2N	L-3N
pH	7.4	7.0	7.4
	-----mg L <sup>-1</sup> -----		
Cl <sup>-</sup>	85	29	130
SO <sub>4</sub> <sup>2-</sup>	88	1,786	310
NO <sub>2</sub> <sup>-</sup> +NO <sub>3</sub> <sup>-</sup> -N	3.3	2.2	<0.25