

*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***MONITORING AND RESEARCH  
DEPARTMENT***

***REPORT NO. 22-11***

***HARLEM AVENUE SOLIDS MANAGEMENT AREA***

***MONITORING REPORT FOR***

***FIRST QUARTER 2022***

***May 2022***

Kari K. Steele  
*President*  
Barbara J. McGowan  
*Vice President*  
Marcelino Garcia  
*Chairman of Finance*  
Cameron Davis  
Kimberly Du Buclet  
Josina Morita  
Chakena D. Perry  
Eira L. Corral Sepúlveda  
Mariyana T. Spyropoulos

**Metropolitan Water Reclamation District of Greater Chicago**

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

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

May 13, 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 January, February, and March 2022

The attached table contains the monitoring data for the Harlem Avenue Solids Management Area for January, February, and March 2022, 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 first quarter of 2022.

Table 1 Analysis of Water from Lysimeters L-1N1 Through L-3N at the Harlem Avenue Solids Management Area Sampled on February 28, 2022.

Very truly yours,

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

AC:BM: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**  
**FIRST QUARTER 2022**

**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 FEBRUARY 28, 2022

Parameter	Lysimeter No.		
	L-1N1	L-2N	L-3N
pH	NC <sup>1</sup>	7.3	7.2
		-----mg L <sup>-1</sup> -----	
Cl <sup>-</sup>	NC	26	128
SO <sub>4</sub> <sup>2-</sup>	NC	1,839	311
NO <sub>2</sub> <sup>-</sup> +NO <sub>3</sub> <sup>-</sup> -N	NC	0.75	<0.25

<sup>1</sup>Sample could not be collected from L-1N1 because the lysimeter was dry on February 28 and during resampling on March 7 and March 9, 2022.