

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 21-31

HARLEM AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

SECOND QUARTER 2021

August 2021

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Edward W. Podczewinski, P.E.
Director of Monitoring and Research

August 12, 2021

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 April, May, and June 2021

The attached table contains the monitoring data for the Harlem Avenue Solids Management Area for April, May, and June 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 second quarter of 2021.

Table 1 Analysis of Water from Lysimeters L-1N1 Through L-3N at the Harlem Avenue Solids Management Area Sampled in May 2021.

Very truly yours,



Albert Cox
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

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TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N1 THROUGH L-3N AT THE HARLEM AVENUE SOLIDS MANAGEMENT AREA SAMPLED IN MAY 2021

Parameter	Lysimeter No.		
	L-1N1	L-2N	L-3N
pH	7.3	6.8	7.1
	-----mg L ⁻¹ -----		
Cl	89	23	121
SO ₄	150	1,544	311
NO ₂ ⁻ +NO ₃ ⁻ -N	4.19	6.03	<0.25

¹Sampled on May 13, 2021, except L-1N1 sampled on May 26.