

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 21-42

HARLEM AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

THIRD QUARTER 2021

November 2021

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

November 22, 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 July, August, and September 2021

The attached table contains the monitoring data for the Harlem Avenue Solids Management Area for July, August, and September 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 third quarter of 2021.

Table 1 Analysis of Water from Lysimeters L-1N1 Through L-3N at the Harlem Avenue Solids Management Area Sampled on August 17, 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

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TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N1 THROUGH L-3N AT THE HARLEM AVENUE SOLIDS MANAGEMENT AREA SAMPLED ON AUGUST 17,2021

Parameter	Lysimeter No.		
	L-1N1 ¹	L-2N	L-3N ¹
pH	7.1	6.9	7.2
	-----mg L ⁻¹ -----		
Cl ⁻	83	24	129
SO ₄ ²⁻	93	1,698	321
NO ₂ ⁻ +NO ₃ ⁻ -N	1.50	5.02	<0.25

¹L-1N1 and L-3N did not produce adequate sample volume for analysis on August 17, and were re-sampled on August 24 and September 2, 2021, respectively.