

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 26-18

LAWNDALE AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

FIRST QUARTER 2026

May 2026

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

CECIL LUE-HING RESEARCH AND DEVELOPMENT COMPLEX
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May 19, 2026

Mr. Caleb Ruyle
Illinois Environmental Protection Agency
Bureau of Water
Compliance Assurance Section, Mail Code #19
2520 W. Iles Ave.
P.O. Box 19276
Springfield, Illinois 62794-9274

Dear Mr. Ruyle:

Subject: Lawndale Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2024-AO-71558, Monitoring Report for January, February, and March 2026

The attached tables contain the monitoring data for the Lawndale Avenue Solids Management Area for January, February, and March 2026, as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2024-AO-71558. Biosolids were not placed in the solids drying area during the first quarter of 2026.

Table 1: Analysis of Water from Monitoring Wells M-11 through M-15 at the Lawndale Avenue Solids Management Area Sampled on March 10, 2026.

Table 2: Analysis of Water from Lysimeters L-1N through L-9N at the Lawndale Avenue Solids Management Area Sampled on March 19, 2026.

Very truly yours,

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

AC:BM:lf
Attachments
cc/att: Mr. T. Bennett, IEPA
Mr. B. Fleming, IEPA
Dr. H. Zhang

Metropolitan Water Reclamation District of Greater Chicago
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**LAWNDALE AVENUE SOLIDS
MANAGEMENT AREAS MONITORING
REPORT FOR FIRST QUARTER 2026**

By

**Benjamin Morgan
Environmental Soil Scientist**

**Albert Cox
Environmental Monitoring and Research Manager**

TABLE 1: ANALYSIS OF WATER FROM MONITORING WELLS M-11 THROUGH M-15
AT THE LAWNDAL AVENUE SOLIDS MANAGEMENT AREA SAMPLED ON
MARCH 10, 2026

Parameter	Monitoring Well No.				
	M-11	M-12	M-13	M-14	M-15
pH	7.3	7.6	7.4	7.5	7.1
	-----mg L ⁻¹ -----				
Cl ⁻	26	15	11	11	9.3
SO ₄ ²⁻	190	337	604	128	735
NO ₂ ⁻ +NO ₃ ⁻ -N	<0.50	<0.50	<0.50	<0.50	<0.50

TABLE 2: ANALYSIS OF WATER FROM LYSIMETERS L-1N THROUGH L-9N AT THE LAWNSDALE AVENUE SOLIDS MANAGEMENT AREA SAMPLED ON MARCH 19, 2026

Parameter	Lysimeter No.								
	L-1N	L-2N	L-3N	L-4N	L-5N	L-6N	L-7N ¹	L-8N	L-9N
pH	7.4	7.2	7.3	7.0	7.0	6.9	8.1	6.2	6.7
	-----mg L ⁻¹ -----								
Cl ⁻	21	176	144	19	521	86	295	527	350
SO ₄ ²⁻	849	318	29	1,310	1,532	1,390	2.3	174	150
	849.00	318.00	144.00	1,311.00	1,532.00	1,391.00	295.00	527.00	351.00
NO ₂ ⁻ +NO ₃ ⁻ -N	<0.50	2.9	<0.50	1.3	<0.50	0.50	0.71	0.76	<0.50

¹Lysimeter L-7N did not yield enough sample for analysis and was resampled on March 30, 2026.