

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 26-17

CALUMET EAST AND WEST SOLIDS MANAGEMENT AREAS

MONITORING REPORT FOR

FIRST QUARTER 2026

May 2026

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

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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: Calumet East and West Solids Management Areas - Calumet Water
Reclamation Plant, Illinois Environmental Protection Agency Permit No.
2024-AO-71828, Monitoring Report for January, February, and March 2026

The attached tables contain the monitoring data for the Calumet East and West Solids Management Areas for January, February, and March 2026, as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2024-AO-71828. Biosolids were not placed in the Calumet East or West Solids Management Areas in the first quarter of 2026.

Table 1: Analysis of Water from Lysimeters L-1N through L-6N at the Calumet East Solids Management Area Sampled on March 12 and March 20, 2026.

Table 2: Analysis of Water from Lysimeters L-1N through L-3N at the Calumet West Solids Management Area Sampled on March 12, 2026.

Very truly yours,

Albert 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
100 East Erie Street Chicago, Illinois 60611-2803 (312) 751-5600

**CALUMET EAST AND WEST SOLIDS
MANAGEMENT AREA MONITORING
REPORT FOR FIRSTH QUARTER 2026**

By

**Benjamin Morgan
Environmental Soil Scientist**

**Albert Cox
Environmental Monitoring and Research Manager**

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N THROUGH L-6N AT THE CALUMET EAST SOLIDS MANAGEMENT AREA SAMPLED ON MARCH 12 AND MARCH 20, 2026¹

Parameter	Lysimeter No.					
	L-1N	L-2N	L-3N	L-4N	L-5N	L-6N
pH	7.5	7.3	7.2	6.9	7.4	7.6
	-----mg L ⁻¹ -----					
Cl ⁻	131	101	31	848	262	19
SO ₄ ²⁻	1,677	1,257	975	2,692	569	727
NO ₂ ⁻ +NO ₃ ⁻ -N	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

¹Lysimeter samples were collected on March 20, 2026, except for Lysimeters L-1N and L-2N, which were sampled on March 12, 2026.

TABLE 2: ANALYSIS OF WATER FROM LYSIMETERS L-1N THROUGH L-3N AT THE CALUMET WEST SOLIDS MANAGEMENT AREA SAMPLED ON MARCH 12, 2026

Parameter	Lysimeter No.		
	L-1N	L-2N	L-3N
pH	8.1	8.0	7.6
	-----mg L ⁻¹ -----		
Cl ⁻	36	20	42
SO ₄ ²⁻	1,614	1,455	1,449
NO ₂ ⁻ +NO ₃ ⁻ -N	<0.50	<0.50	0.52