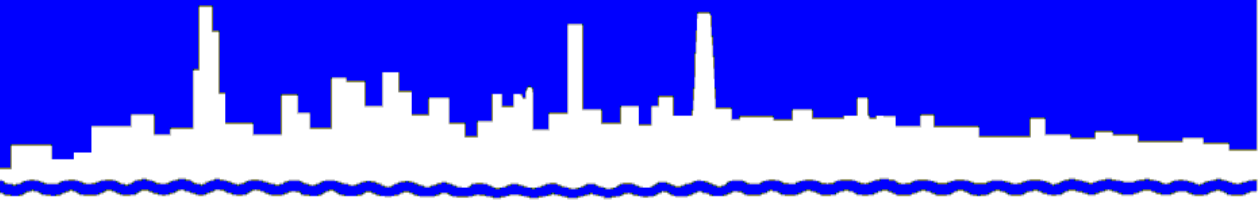


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 20-08

CALUMET EAST AND WEST SOLIDS MANAGEMENT AREAS

MONITORING REPORT FOR

FIRST QUARTER 2020

May 2020

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Edward W. Podczewski, P.E.

Director of Monitoring and Research

May 20, 2020

Mr. Roger Callaway
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 Mr. Callaway:

Subject: Calumet East and West Solids Management Areas - Calumet Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2020-AO-64905, Monitoring Report for January, February, and March 2020

The attached tables contain the monitoring data for the Calumet East and West Solids Management Areas for January, February, and March 2020, as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2020-AO-64905. Biosolids were not placed in either the Calumet East or Calumet West Solids Management Areas during the first quarter of 2020.

Table 1 Analysis of Water From Lysimeters L-1N through L-6N at the Calumet East Solids Management Area Sampled on March 5, 2020.

Table 2 Analysis of Water From Lysimeters L-1N through L-3N at the Calumet West Solids Management Area Sampled on March 5, 2020.

Very truly yours,



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

AC:BM:cm

Attachments

cc/att: Mr. J. Patel, IEPA
Records Unit, 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 AREAS
MONITORING REPORT FOR FIRST QUARTER 2020**

Monitoring and Research Department
Edward W. Podczewinski, Director

May 2020

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N THROUGH L-6N AT THE CALUMET EAST SOLIDS MANAGEMENT AREA SAMPLED ON MARCH 5, 2020

Parameter	Lysimeter No.					
	L-1N	L-2N	L-3N	L-4N	L-5N	L-6N
pH	7.1	7.9	7.2	7.1	7.5	7.7
	----- mg L ⁻¹ -----					
Cl ⁻	137	ND ¹	34	809	243	ND
SO ₄ ²⁻	1,860	ND	1,242	2,348	544	ND
NO ₂ ⁻ +NO ₃ ⁻ -N	0.68	<0.25	<0.25	<0.25	0.25	0.28

¹No data. Analysis was canceled by the analytical lab due to staffing limitations associated with the COVID-19 pandemic.

TABLE 2: ANALYSIS OF WATER FROM LYSIMETERS L-1N THROUGH L-3N AT THE CALUMET WEST SOLIDS MANAGEMENT AREA SAMPLED ON MARCH 5, 2020

Parameter	Lysimeter No.		
	L-1N	L-2N	L-3N
pH ¹	7.6	8.6	7.6
	----- mg L ⁻¹ -----		
Cl ⁻	ND ¹	ND	ND
SO ₄ ²⁻	ND	ND	ND
NO ₂ ⁻ +NO ₃ ⁻ -N	<0.25	<0.25	0.29

¹No data. Analysis was canceled by the analytical lab due to staffing limitations associated with the COVID-19 pandemic.