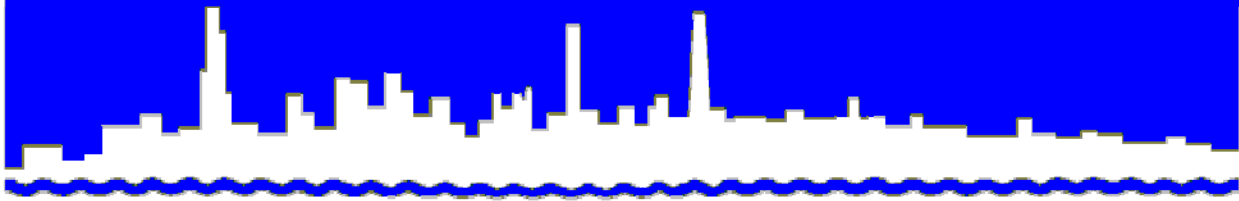


*Protecting Our Water Environment*



***Metropolitan Water Reclamation District of Greater Chicago***

*MONITORING AND RESEARCH  
DEPARTMENT*

***REPORT NO. 17-15***

***CALUMET EAST AND WEST SOLIDS MANAGEMENT AREAS***

***MONITORING REPORT FOR***

***FIRST QUARTER 2017***

***May 2017***

# Protecting Our Water Environment

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

May 18, 2017

Mr. S. Alan Keller, P.E.  
Manager, Permit Section  
Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, IL 62794 - 9276

Dear Mr. Keller:

Subject: Calumet East and West Solids Management Areas - Calumet Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2015-AO-59622, Monitoring Report for January, February, and March 2017

The attached tables contain the monitoring data for the Calumet East and West Solids Management Areas for January, February, and March 2017 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2015-AO-59622. No biosolids were placed in the Calumet East and West Solids Management Areas in January, February, or March 2017.

Table 1 Analysis of Water From Lysimeters L-1N through L-6N at the Calumet East Solids Management Area Sampled on March 2, 2017.

Table 2 Analysis of Water From Lysimeters L-1N through L-3N at the Calumet West Solids Management Area Sampled on March 2, 2017.

Very truly yours,

Albert E. Cox, Ph.D.  
Environmental Monitoring and Research Manager  
Monitoring and Research Department

AC:DB:cm

Attachments

cc/att: Mr. J. Patel, IEPA  
Records Unit, IEPA  
Mr. E. Podczerwinski  
Dr. H. Zhang  
Dr. D. Brose

**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 2017**

**Monitoring and Research Department**  
**Edward W. Podczewinski, Acting Director**

**May 2017**

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N THROUGH L-6N AT THE CALUMET EAST SOLIDS MANAGEMENT AREA SAMPLED ON MARCH 2, 2017

Parameter	Lysimeter No.					
	L-1N	L-2N	L-3N	L-4N	L-5N	L-6N
pH <sup>1</sup>	7.3	7.6	7.4	7.1	7.5	7.8
	----- mg L <sup>-1</sup> -----					
Cl <sup>-</sup>	169	127	37	821	228	17
SO <sub>4</sub> <sup>2-</sup>	1,972	1,784	1,363	2,499	532	673
NO <sub>2</sub> +NO <sub>3</sub> -N	0.56	<0.15	<0.15	<0.15	0.20	0.18

<sup>1</sup>pH analyzed beyond recommended holding time of 15 minutes.

TABLE 2: ANALYSIS OF WATER FROM LYSIMETERS L-1N THROUGH L-3N AT THE CALUMET WEST SOLIDS MANAGEMENT AREA SAMPLED ON MARCH 2, 2017

Parameter	Lysimeter No.		
	L-1N	L-2N	L-3N
pH <sup>1</sup>	7.7	7.9	7.6
	----- mg L <sup>-1</sup> -----		
Cl <sup>-</sup>	37	22	56
SO <sub>4</sub> <sup>2-</sup>	1,802	1,936	2,202
NO <sub>2</sub> +NO <sub>3</sub> -N	<0.15	<0.15	0.31

<sup>1</sup>pH analyzed beyond recommended holding time of 15 minutes.