

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 14-16

CALUMET EAST SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

FIRST QUARTER 2014

MAY 2014

Protecting Our Water Environment

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May 21, 2014

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 Solids Management Area - Calumet Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2010-AO-0265-1, Monitoring Report for January, February, and March 2014

The attached table contains the monitoring data for the Calumet East Solids Management Area for January, February, and March 2014 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2010-AO-0265-1.

The data reported are as follows:

Table 1, Analysis of Water from Lysimeters L-1N Through L-6N at the Calumet East Solids Management Area Sampled on March 13, 2014.

No biosolids were placed in the solids drying area during January, February, and March 2014. Based on the requirements of the revised IEPA permit issued on January 27, 2014, and effective immediately, biosolids removed from this site will no longer be sampled and analyzed. The list of parameters for lysimeter samples has also been modified to include only pH, Cl⁻, SO₄²⁻, and NO₂ + NO₃ - N.

Very truly yours,

Thomas C. Granato, Ph.D.
Director
Monitoring and Research

TCG:PL:cm
Attachment
cc w/att: Mr. J. Patel, IEPA
Records Unit, IEPA

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N THROUGH L-6N AT THE CALUMET EAST SOLIDS MANAGEMENT AREA SAMPLED ON MARCH 13, 2014

Parameter	Unit	Lysimeter No.					
		L-1N	L-2N	L-3N ¹	L-4N	L-5	L-6N ¹
pH ²		7.7	8.0		8.1	8.1	
Cl ⁻	mg/L	170	136		899	229	
SO ₄ ⁼	"	NA ³	1,917		2,753	605	
NO ₂ +NO ₃ -N	"	0.57	<0.15		<0.15	<0.15	

¹No sample; lysimeter frozen.

²pH analyzed beyond recommended holding time of 15 minutes.

³No analysis; insufficient sample.