

*Protecting Our Water Environment*



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

*MONITORING AND RESEARCH  
DEPARTMENT*

***REPORT NO. 14-11***

***CALUMET WEST SOLIDS MANAGEMENT AREA***

***MONITORING REPORT FOR***

***FIRST QUARTER 2014***

***MAY 2014***

**Protecting Our Water Environment**



**Metropolitan Water Reclamation District of Greater Chicago**

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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 West 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 West 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-3N at the Calumet West 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<sup>-</sup>, SO<sub>4</sub><sup>2-</sup>, and NO<sub>2</sub> + NO<sub>3</sub> - 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

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TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N  
THROUGH L-3N AT THE CALUMET WEST SOLIDS MANAGEMENT  
AREA SAMPLED ON MARCH 13, 2014

Parameter	Unit	Lysimeter No.		
		L-1N	L-2N <sup>1</sup>	L-3N
pH <sup>2</sup>		7.9		8.0
Cl <sup>-</sup>	mg/L	37		61
SO <sub>4</sub> <sup>=</sup>	"	NA <sup>3</sup>		2,387
NO <sub>2</sub> + NO <sub>3</sub> -N	"	< 0.15		0.36

<sup>1</sup>No sample; lysimeter frozen.

<sup>2</sup>pH analyzed beyond recommended holding time of 15 minutes.

<sup>3</sup>No analysis; insufficient sample.