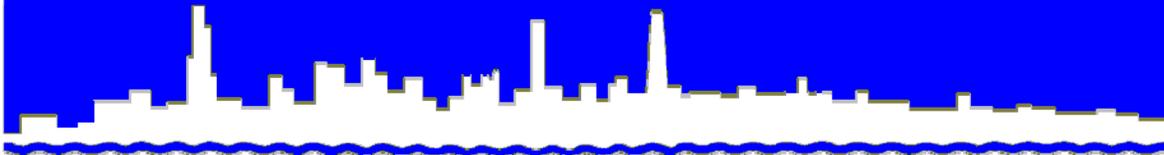


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

*MONITORING AND RESEARCH
DEPARTMENT*

REPORT NO. 15-28

HARLEM AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

SECOND QUARTER 2015

August 2015

Protecting Our Water Environment

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THOMAS C. GRANATO, Ph.D., BCES

Director of Monitoring and Research

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August 24, 2015

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: Harlem Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2014-AO-58836, Monitoring Report for April, May, and June 2015

The attached tables contain the monitoring data for the Harlem Avenue Solids Management Area for April, May, and June 2015 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2014-AO-58836. Biosolids were placed in the solids drying area during May 2015.

Table 1, Analysis of Water from Lysimeters L-1N1 through L-3N at the Harlem Solids Management Area Sampled on June 10, 2015.

Table 2, Analysis of Compositied Biosolids Placed in the Harlem Avenue Solids Management Area During May 2015.

Very truly yours,

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

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

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N1 THROUGH L-3N
 AT THE HARLEM AVENUE SOLIDS MANAGEMENT AREA SAMPLED
 ON JUNE 10, 2015

Parameter	Lysimeter No.		
	L-1N1	L-2N	L-3N
pH ¹	7.6	7.6	7.5
	----- mg L ⁻¹ -----		
Cl ⁻	103	33	111
SO ₄ ²⁻	42	1,744	108
NO ₂ +NO ₃ -N	0.18	19	1.5

¹pH analyzed beyond recommended holding time of 15 minutes.

TABLE 2: ANALYSIS OF COMPOSITED BIOSOLIDS PLACED IN THE HARLEM AVENUE SOLIDS MANAGEMENT DRYING AREA DURING MAY 2015

Parameter	Analysis ¹
pH	7.4
	---- % ----
Total Solids	9.4
Total Volatile Solids ²	48

¹Mean of four samples.

²Total volatile solids as a percentage of total solids.