



Metropolitan Water Reclamation District of Greater ChicagoCECIL LUE-HING RESEARCH AND DEVELOPMENT COMPLEX6001 WEST PERSHING ROADCICERO, ILLINOIS60804-4112

Edward W. Podczerwinski, P.E.

Director of Monitoring and Research

November 16, 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: Harlem Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2014-AO-58836, Monitoring Report for July, August, and September 2017

The attached tables contain the monitoring data for the Harlem Avenue Solids Management Area for July, August, and September 2017 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2014-AO-58836. Biosolids were placed in the solids drying area during August and September 2017.

- Table 1Analysis of Water from Lysimeters L-1N1 Through L-3N at the HarlemAvenue Solids Management Area Sampled on August 16, 2017.
- <u>Table 2</u> Analysis of Biosolids Placed in the Harlem Avenue Solids Management Area During August 2017.
- <u>Table 3</u> Analysis of Biosolids Placed in the Harlem Avenue Solids Management Area During September 2017.

Very truly yours,

Albert E. Cox 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. G. Tian Dr. D. Brose BOARD OF COMMISSIONERS Mariyana T. Spyropoulos President Barbara J. McGowan Vice President Frank Avila Chairman of Finance Timothy Bradford Martin J. Durkan Josina Morita Debra Shore Kari K. Steele David J. Walsh Metropolitan Water Reclamation District of Greater Chicago – 100 East Erie Street Chicago, Illinois 60611-2803 312-751-5600

HARLEM AVENUE SOLIDS MANAGEMENT AREA MONITORING REPORT FOR THIRD QUARTER 2017

Monitoring and Research Department Edward W. Podczerwinski, Director

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TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N1 THROUGH L-3N AT THE HARLEM AVENUE SOLIDS MANAGEMENT AREA SAMPLED ON AUGUST 16, 2017

	2N L-3N
3 7	.7 8.0
mg L	-1
29	126
,	
	29 1,660 5 20

¹pH analyzed beyond recommended holding time of 15 minutes.

TABLE 2: ANALYSIS OF BIOSOLIDS PLACED IN THE HARLEM AVENUE SOLIDS MANAGEMENT AREA DURING AUGUST 2017

Parameter	Analysis ¹
рН	8.2
Total Solids Total Volatile Solids ²	26 48

¹Mean of three samples. ²Total volatile solids as a percentage of total solids.

TABLE 3: ANALYSIS OF BIOSOLIDS PLACED IN THE HARLEM AVENUE SOLIDS MANAGEMENT AREA DURING SEPTEMBER 2017

Parameter	Analysis ¹
рН	7.9
Total Solids Total Volatile Solids ²	24 51

¹Mean of four samples. ²Total volatile solids as a percentage of total solids.