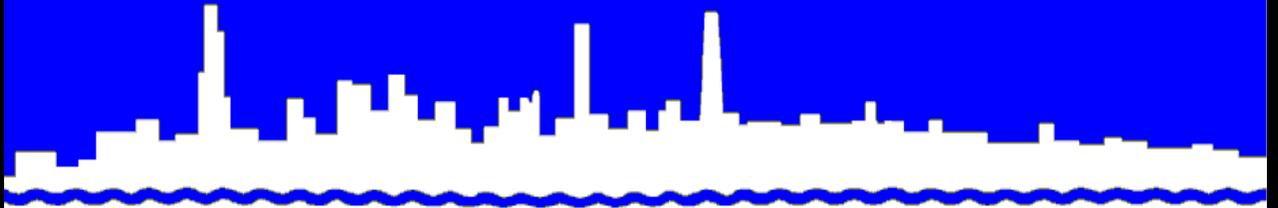


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 19-10

LAWNDALE AVENUE SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

FIRST QUARTER 2019

June 2019

Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street Chicago, Illinois 60611-2803 312-751-5600

**LAWNDALE AVENUE SOLIDS MANAGEMENT AREA
MONITORING REPORT FOR
FIRST QUARTER 2019**

Monitoring and Research Department
Edward W. Podczewinski, Director

June 2019

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

June 3, 2019

Mr. Roger Callaway
Illinois Environmental Protection Agency
Bureau of Water
DWPC Compliance Section #19
1021 North Grand Avenue East
P.O. Box 19276
Springfield, IL 62794-9274

Dear Mr. Callaway:

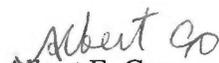
Subject: Lawndale Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2015-AO-59623, Monitoring Report for January, February, and March 2019

The attached tables contain the monitoring data for the Lawndale Avenue Solids Management Area for January, February, and March 2019 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2015-AO-59623. No biosolids were placed in the solids drying area during January, February, and March.

Table 1 Analysis of Water from Monitoring Wells M-11 through M-15 at the Lawndale Avenue Solids Management Area Sampled on February 4, 2019.

Table 2 Analysis of Water from Lysimeters L-1N through L-9N at the Lawndale Avenue Solids Management Area Sampled on February 4, 2019.

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
Drs. H. Zhang

TABLE 1: ANALYSIS OF WATER FROM MONITORING WELLS M-11 THROUGH M-15
 AT THE LAWNSDALE AVENUE SOLIDS MANAGEMENT AREA
 SAMPLED ON FEBRUARY 4, 2019

Parameter	Monitoring Well No.				
	M-11	M-12	M-13	M-14	M-15
pH	7.9	7.6	7.5	7.4	7.4
	----- mg L ⁻¹ -----				
Cl ⁻	18	15	10	10	10
SO ₄ ²⁻	198	342	635	129	500
NO ₂ +NO ₃ -N	<0.25	<0.25	<0.25	<0.25	<0.25

TABLE 2: ANALYSIS OF WATER FROM LYSIMETERS L-1N THROUGH L-9N AT THE
LAWNDALE AVENUE SOLIDS MANAGEMENT AREA
SAMPLED ON FEBRUARY 4, 2019

Parameter	Lysimeter No.							
	L-1N	L-2N	L-3N	L-4N	L-5N	L-6N	L-8N	L-9N
pH	7.3	7.2	6.8	6.9	6.9	6.8	7.0	7.0
	----- mg L ⁻¹ -----							
Cl ⁻	16	117	143	25	628	78	410	380
SO ₄ ²⁻	758	121	71	1,448	1,563	1,340	144	200
NO ₂ +NO ₃ -N	<0.25	2.3	<0.25	0.82	0.38	<0.25	0.78	<0.25