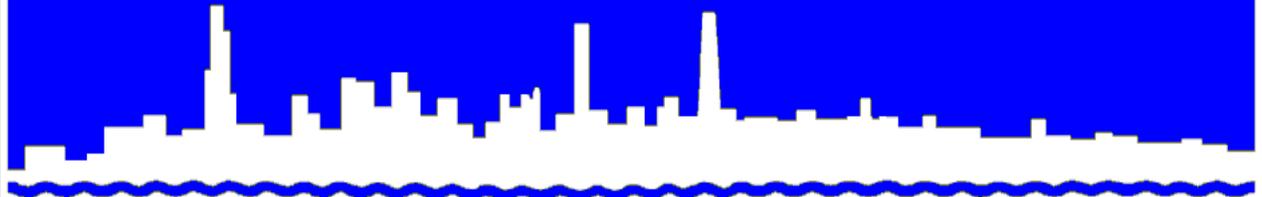


*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***MONITORING AND RESEARCH  
DEPARTMENT***

*REPORT NO. 20-24*

*LAWNDALE AVENUE SOLIDS MANAGEMENT AREA*

*MONITORING REPORT FOR*

*SECOND QUARTER 2020*

*July 2020*

Metropolitan Water Reclamation District of Greater Chicago

CECIL LUE-HING RESEARCH AND DEVELOPMENT COMPLEX  
6001 WEST PERSHING ROAD      CICERO, ILLINOIS      60804-4112

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

July 30, 2020

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

Dear Mr. Callaway:

Subject: Lawndale Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2020-AO-64903, Monitoring Report for April, May, and June 2020

The attached tables contain the monitoring data for the Lawndale Avenue Solids Management Area for April, May, and June 2020 as required by Illinois Environmental Protection Agency Operating Permit No. 2020-AO-64903. Biosolids were placed in the solids drying area in May and June.

- Table 1 Analysis of Water from Monitoring Wells M-11 through M-15 at the Lawndale Avenue Solids Management Area Sampled on July 8, 2020.
- Table 2 Analysis of Water from Lysimeters L-1N through L-9N at the Lawndale Avenue Solids Management Area Sampled on May 13, 2020.
- Table 3 Analysis of Biosolids Placed in the Lawndale Avenue Solids Management Area During May and June 2020.

Very truly yours,



Albert E. Cox  
Environmental Monitoring and Research Manager  
Monitoring and Research Department

AC:BM:cm  
Attachments  
cc/att: Mr. J. Patel, IEPA/Records Unit, IEPA  
Dr. H. Zhang

**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  
SECOND QUARTER 2020**

**Monitoring and Research Department**  
**Edward W. Podczewinski, Director**

**July 2020**

TABLE 1: ANALYSIS OF WATER FROM MONITORING WELLS M-11 THROUGH M-15  
 AT THE LAWNSDALE AVENUE SOLIDS MANAGEMENT AREA  
 SAMPLED ON JULY 8, 2020<sup>1</sup>

Parameter	Monitoring Well No.				
	M-11	M-12	M-13	M-14	M-15
pH	7.2	7.6	7.5	7.4	7.3
	----- mg L <sup>-1</sup> -----				
Cl <sup>-</sup>	25	15	10	10	9.2
SO <sub>4</sub> <sup>2-</sup>	209	362	639	130	819
NO <sub>2</sub> <sup>-</sup> +NO <sub>3</sub> <sup>-</sup> -N	<0.25	<0.25	<0.25	<0.25	<0.25

<sup>1</sup>LASMA monitoring well sampling could not be conducted in the second quarter due to staffing limitations during the COVID-19 pandemic.

TABLE 2: ANALYSIS OF WATER FROM LYSIMETERS L-1N THROUGH L-9N AT THE LAWNSDALE AVENUE SOLIDS MANAGEMENT AREA SAMPLED ON MAY 13, 2020

Parameter	Lysimeter No.								
	L-1N	L-2N	L-3N	L-4N	L-5N	L-6N	L-7N	L-8N	L-9N
pH	7.1	7.6	7.0	6.8	7.5	6.6	7.9	7.4	7.2
	----- mg L <sup>-1</sup> -----								
Cl <sup>-</sup>	19	142	152	26	654	87	427	487	416
SO <sub>4</sub> <sup>2-</sup>	858	158	60	1,583	1,729	1,483	51	165	209
NO <sub>2</sub> <sup>-</sup> +NO <sub>3</sub> <sup>-</sup> -N	0.34	2.5	0.71	0.62	1.2	0.44	1.0	0.69	0.60

TABLE 3: ANALYSIS OF BIOSOLIDS PLACED IN THE LAWNDALE AVENUE SOLIDS MANAGEMENT AREA DURING MAY AND JUNE 2020

Parameter	May	June
pH	7.6	7.7
	----- % -----	
Total Solids	10.7	12.8
Total Volatile Solids <sup>1</sup>	43.9	44.0

<sup>1</sup>Total volatile solids as a percentage of total solids.