

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

*MONITORING AND RESEARCH
DEPARTMENT*

REPORT NO. 15-17

122ND AND STONY ISLAND AVENUE SOLIDS MANAGEMENT

AREA MONITORING REPORT FOR

FIRST QUARTER 2015

June 2015

Protecting Our Water Environment

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May 20, 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: 122nd and Stony Island Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2010-AO-0267-1, Monitoring Report for January, February, and March 2015

The attached table contains the monitoring data for the 122nd and Stony Island Avenue Solids Management Area for January, February, and March 2015 as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2010-AO-0267-1.

No biosolids were placed in the solids drying area during January, February, and March 2015. The data reported are as follows:

Table 1, Analysis of Water from Lysimeters L-1 through L-4 at the 122nd and Stony Island Avenue Solids Management Area Sampled on March 18, 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-1 THROUGH L-4 AT THE
122nd AND STONY ISLAND AVENUE SOLIDS MANAGEMENT
AREA SAMPLED ON MARCH 18, 2015

| Parameter | Lysimeter No. | | | |
|-------------------------------------|--------------------------------|--------|--------|-------|
| | L-1 ¹ | L-2 | L-3 | L-4 |
| pH ² | 7.3 | 7.1 | 7.5 | 7.5 |
| | ----- mg L ⁻¹ ----- | | | |
| Cl ⁻ | 196 | 367 | 95 | 236 |
| SO ₄ ²⁻ | 441 | 245 | 120 | 29 |
| NO ₂ +NO ₃ -N | <0.15 | < 0.15 | < 0.15 | <0.15 |

¹Sampled on March 31, 2015.

²pH analyzed beyond recommended holding time of 15 minutes.