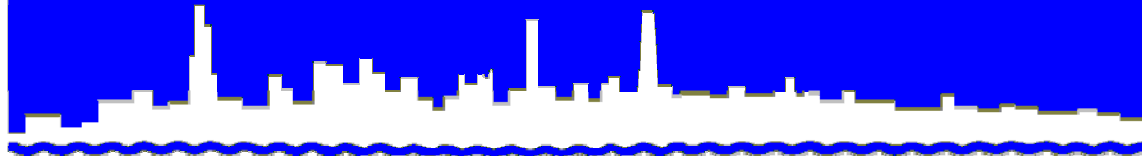


*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***MONITORING AND RESEARCH  
DEPARTMENT***

*REPORT NO. 10-25*

*RIDGELAND AVENUE SOLIDS MANAGEMENT AREA*

*MONITORING REPORT FOR*

*FIRST QUARTER 2010*

*MAY 2010*

## Protecting Our Water Environment

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### Louis Kollias, P.E., BCEE

Director of Monitoring and Research

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May 27, 2010

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: Ridgeland Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2005-AO-4283-2, Monitoring Report for January, February, and March 2010

The attached table contains the monitoring data for the Ridgeland Avenue Solids Management Area (RASMA) for January, February, and March 2010, as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2005-AO-4283-2.

A supplemental permit was issued by the IEPA on July 30, 2009, to discontinue monitoring of all lysimeters located at the RASMA site, except L-2N, which will be monitored once per month.

The data reported are as follows:

Table 1, Analysis of Water from Lysimeters L-2N at the Ridgeland Avenue Solids Management Area Sampled in January, February, and March 2010

Mr. S. Alan Keller

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May 27, 2010

Subject: Ridgeland Avenue Solids Management Area - Stickney Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2005-AO-4283-2, Monitoring Report for January, February, and March 2010

No biosolids were placed in or removed from the solids drying area during this quarter.

Very truly yours,

Louis Kollias  
Director  
Monitoring and Research

LK:PL:kq

Attachments

cc w/att: Mr. Sulski, IEPA  
Records Unit, IEPA  
O'Connor/Cox/Lindo

TABLE 1: ANALYSIS OF WATER FROM LYSIMETER L-2N AT THE RIDGELAND AVENUE SOLIDS MANAGEMENT AREA SAMPLED IN JANUARY, FEBRUARY, AND MARCH 2010

Parameter	Unit	Sample Date		
		Jan. 20, 2010	Feb. 2, 2010	March 17, 2010
pH <sup>1</sup>		8.3		8.0
EC	mS/m	232		273
Total Dissolved Solids	mg/L	1,664		1,800
Total Diss. Org. Carbon	"	7		7
Cl <sup>-</sup>	"	328		297
SO <sub>4</sub> <sup>=</sup>	"	240		251
TKN	"	41		40
NH <sub>3</sub> -N	"	37	L	37
NO <sub>2</sub> +NO <sub>3</sub> -N	"	0.11	Y	0.20
Total P	"	<0.1	S	<0.1
Alkalinity	"	NA	I M	762
Al	"	0.050	E	0.049
As	"	<0.025	T	<0.025
Ca	"	208	E	188
Cd	"	<0.002	R	<0.002
Cr	"	<0.003		<0.003
Cu	"	<0.01	F R	<0.01
Fe	"	1.5	O	0.75
Hg	µg/L	<0.20	Z	<0.20
K	mg/L	12	E	11
Mg	"	140	N	136
Mn	"	0.115		0.105
Na	"	102		95
Ni	"	<0.002		<0.002
Pb	"	<0.02		<0.02
Se	"	<0.1		<0.1
Zn	"	<0.01		<0.01

<sup>1</sup>Samples analyzed beyond recommended holding time of 15 minutes.