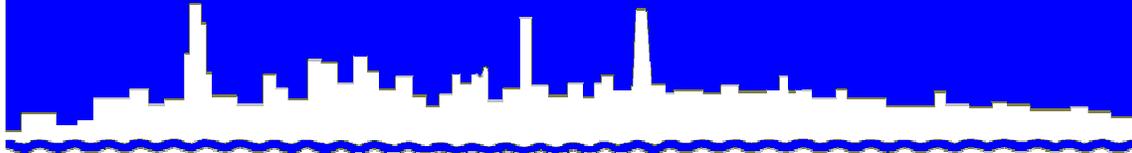


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 12-20

CALUMET WEST SOLIDS MANAGEMENT AREA

MONITORING REPORT FOR

FIRST QUARTER 2012

JUNE 2012

Metropolitan Water Reclamation District of Greater Chicago

100 East Erie Street

Chicago, Illinois 60611-3154

312.751.5190

Thomas C. Granato, Ph.D.

Director of Monitoring and Research Department

thomas.granato@mwrdd.org

June 1, 2012

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: Calumet West Solids Management Area - Calumet Water Reclamation Plant, Illinois Environmental Protection Agency Permit No. 2010-AO-0265, Monitoring Report for January, February, and March 2012

The attached table contains the monitoring data for the Calumet West Solids Management Area for January, February, and March 2012 as required by Illinois Environmental Protection Agency Operating Permit No. 2010-AO-0265.

The data reported are as follows:

Table 1, Analysis of Water from Lysimeters L-1N Through L-3N at the Calumet West Solids Management Area Sampled on March 14, 2012

No biosolids were placed in or removed from the solids drying area during January, February, and March 2012.

Very truly yours,

Thomas C. Granato, Ph.D.
Director
Monitoring and Research

TCG:PL:cm

Attachment

cc w/att: R. Sulski, IEPA
Records Unit, IEPA

TABLE 1: ANALYSIS OF WATER FROM LYSIMETERS L-1N
THROUGH L-3N AT THE CALUMET WEST SOLIDS MANAGEMENT
AREA SAMPLED ON MARCH 14, 2012

Parameter	Unit	Lysimeter No.		
		L-1N	L-2N	L-3N
pH ¹		8.2	8.8	8.0
EC	mS/m	320	283	373
Total Dissolved Solids	mg/L	3,276	2,792	4,020
Total Dissolved Organic Carbon	"	3	6	2
Cl ⁻	"	62	19	51
SO ₄ ⁼	"	1,686	1,662	2,120
TKN	"	< 1	2	2
NH ₃ -N	"	0.8	2	1
NO ₂ + NO ₃ -N	"	< 0.15	< 0.15	< 0.15
Total P	"	< 0.10	< 0.10	< 0.10
Alkalinity as CaCO ₃	"	273	45	257
Al	"	< 1.0	< 1.0	< 1.0
Ca	"	338	563	426
Cd	"	< 0.001	< 0.001	< 0.001
Cr	"	< 0.005	< 0.005	< 0.005
Cu	"	< 0.005	< 0.005	< 0.005
Fe	"	1	< 0.1	4
Hg	μg/L	< 0.20	< 0.20	< 0.20
K	mg/L	13	26	9
Mg	"	229	11	280
Mn	"	0.089	0.005	0.248
Na	"	188	206	208
Ni	"	< 0.005	0.008	0.032
Pb	"	< 0.02	< 0.02	< 0.02
Zn	"	< 0.01	< 0.01	< 0.01

¹pH analyzed beyond recommended holding time of 15 minutes.