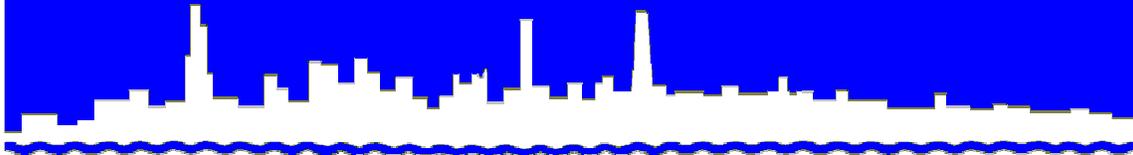


*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***MONITORING AND RESEARCH  
DEPARTMENT***

*REPORT NO. 10-35*

*MONTHLY CONTROLLED SOLIDS*

*DISTRIBUTION REPORT*

*APRIL 2010*

*JULY 2010*

## Protecting Our Water Environment

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

Director of Monitoring and Research  
louis.kollias@mwr.org

July 12, 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: Metropolitan Water Reclamation District of Greater Chicago – Controlled Solids Distribution Program Illinois Environmental Protection Agency Permit No. 2005-SC-3793, April 2010

This letter transmits information and data for the Metropolitan Water Reclamation District of Greater Chicago - Controlled Solids Distribution Program for April 2010, as required by Illinois Environmental Protection Agency Permit No. 2005-SC-3793.

Sludge flow schematic diagrams for solids processed during April 2010 are shown in Figure 1 - John E. Egan Water Reclamation Plant (WRP), Figure 2 - Calumet WRP, and Figure 3 - Stickney WRP.

Biosolids were distributed to two sites in April. The user information report for those sites are presented in Table 1, and the analyses of the composited biosolids delivered to those sites are presented in Tables 2 - 3.

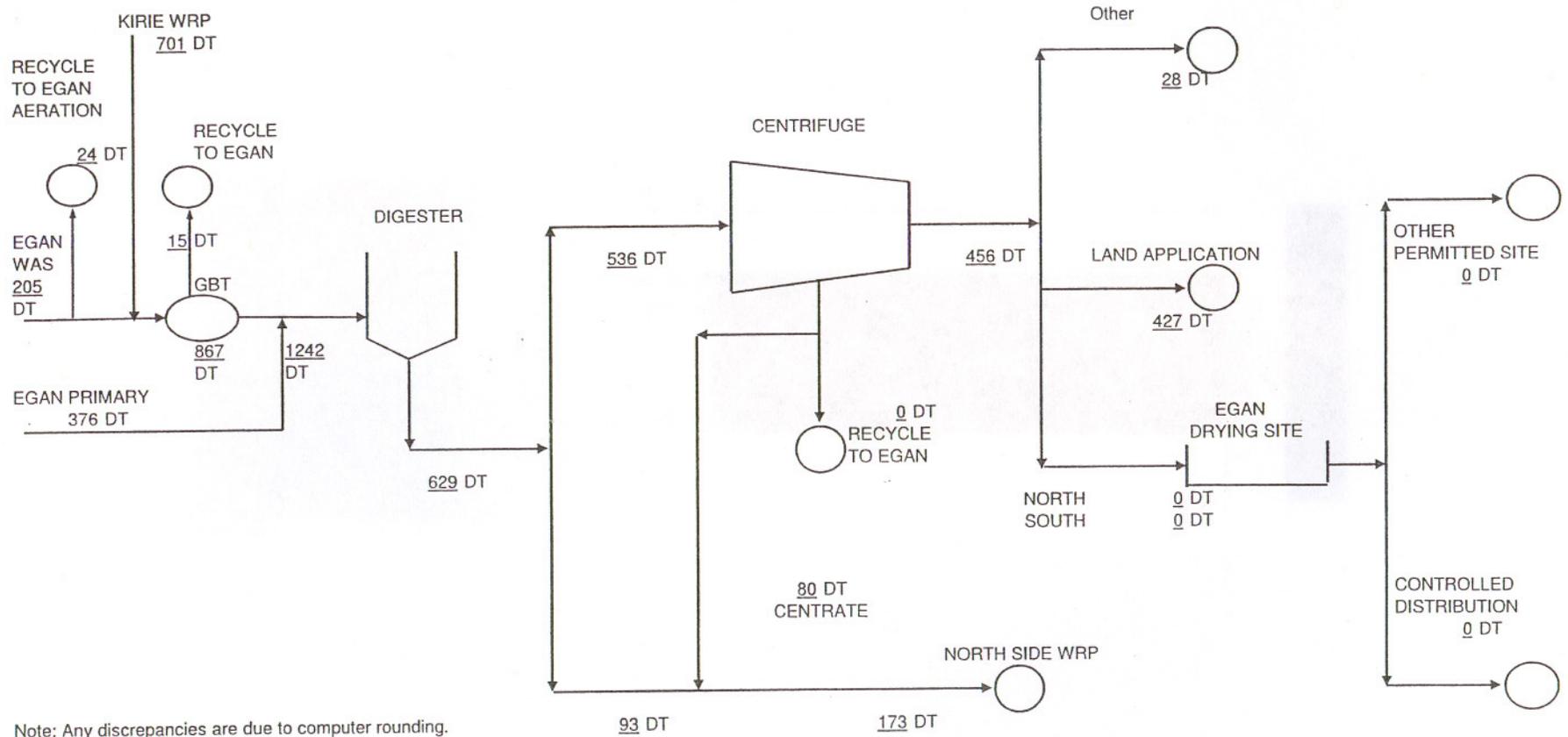
Very truly yours,

Louis Kollias  
Director  
Monitoring and Research

LK:OO:kq  
Attachments  
cc: Aistars (USEPA)  
Sulski (IEPA)  
Kits  
O'Connor

# J.E. EGAN WRP SOLIDS DISTRIBUTION- FIGURE 1

April-10



Note: Any discrepancies are due to computer rounding.

# CALUMET WRP SOLIDS DISTRIBUTION - April 2010

Figure 2

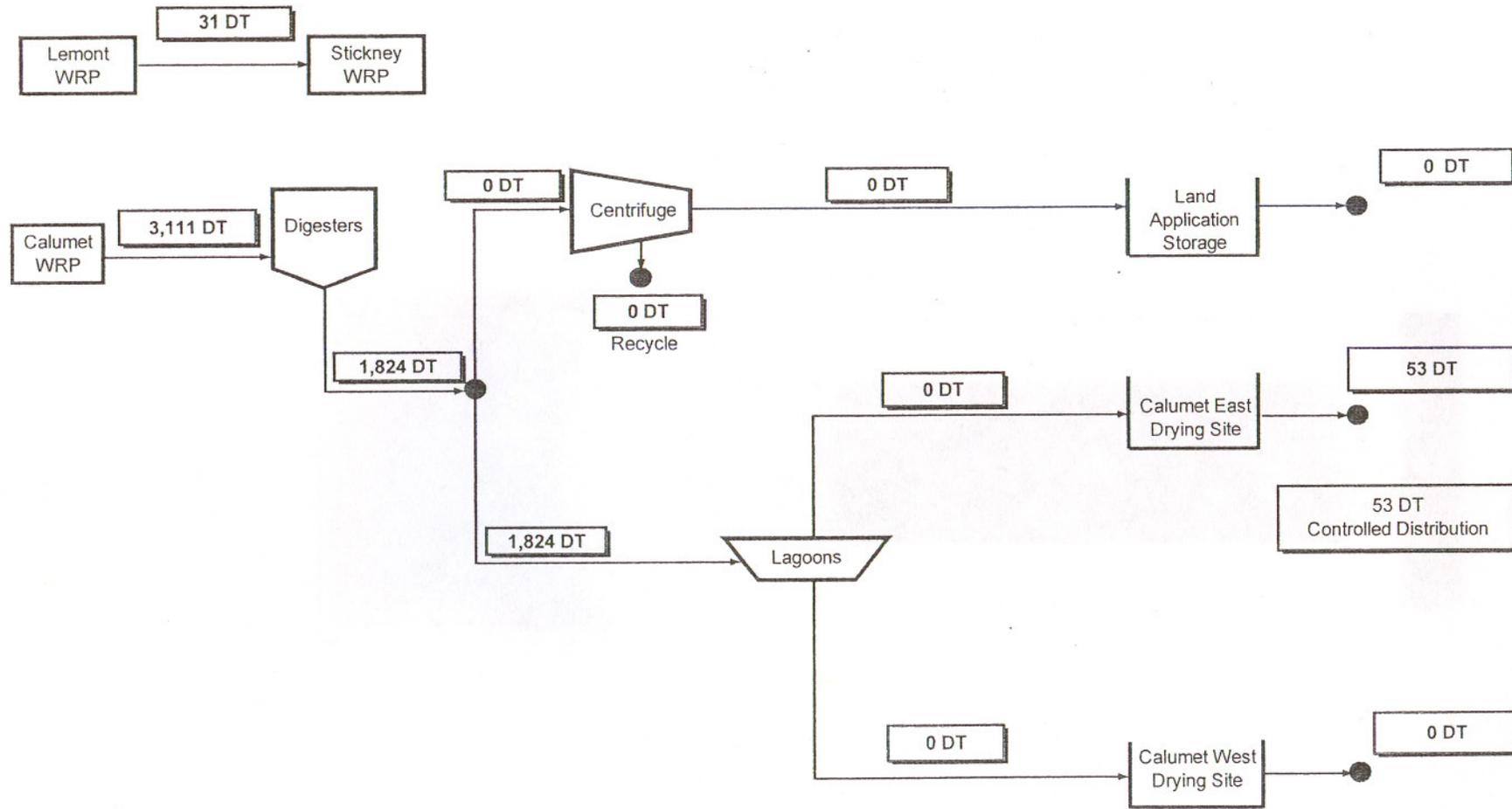




TABLE 1: CONTROLLED SOLIDS DISTRIBUTION PROGRAM USER INFORMATION REPORT  
FOR AGITATION-DRIED, ANAEROBICALLY-DIGESTED SOLIDS

No.	Name and Address of User	Source	Dates	Quantity (dry tons)		Biosolids Use	Application		Analysis
				2010 April	2010 Cumulative		Area (acres)	Rate (tons/acre)	
1.	Coyote Run Golf Course 720 Kedzie Avenue Flossmoor, IL 60422	Calumet WRP – East drying area	23	23.2	23.2	Fertilizer topdressing for golf course turf	1	23.2	Table 2
2.	UIC 1140 Morgan Avenue Chicago, IL	Calumet WRP – East drying area	23	29.3	29.3	Installation of sod on sand- based field	1	29.3	Table 3

WRP = Water Reclamation Plant.

TABLE 2: ANALYSIS<sup>1</sup> OF DIGESTED BIOSOLIDS APPLIED TO LAND AT THE COYOTE RUN GOLF COURSE, 720 KEDZIE AVENUE., FLOSSMOOR, IL, FROM THE CALUMET WATER RECLAMATION PLANT EAST DRYING AREA DURING APRIL 2010

Constituent	Units	Concentration
pH		6.4
Total Solids	%	64.5
Total Volatile Solids	"	40.2
Volatile Acids as Acetic Acid	mg/dry kg	149
Total Kjeldahl-N	"	20,722
NH <sub>3</sub> -N	"	548
Total P	"	23,407
K	"	3,152
Cd	"	4.0
Cr	"	111
Cu	"	471
Pb	"	123
Hg	"	1.42
Mo	"	16.6
As	"	9.1
Mn	"	1,036
Ni	"	47.7
Se	"	5.1
Zn	"	1,170

<sup>1</sup>Results based on one sample.

TABLE 3: ANALYSIS<sup>1</sup> OF DIGESTED BIOSOLIDS APPLIED TO LAND AT UIC, 1140 MORGAN AVENUE, CHICAGO, IL, FROM THE CALUMET WATER RECLAMATION PLANT EAST DRYING AREA DURING APRIL 2010

Constituent	Units	Concentration
pH		6.4
Total Solids	%	64.5
Total Volatile Solids	"	40.2
Volatile Acids as Acetic Acid	mg/dry kg	149
Total Kjeldahl-N	"	20,722
NH <sub>3</sub> -N	"	548
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