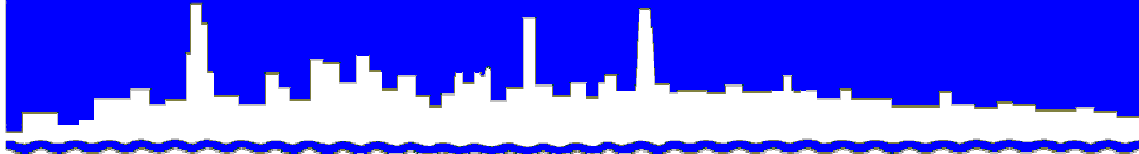


*Protecting Our Water Environment*



***Metropolitan Water Reclamation District of Greater Chicago***

***RESEARCH AND DEVELOPMENT  
DEPARTMENT***

***REPORT NO. 06-49***

***MONTHLY CONTROLLED SOLIDS***

***DISTRIBUTION REPORT***

***JUNE 2006***

***AUGUST 2006***

**Metropolitan Water Reclamation District of Greater Chicago**

100 EAST ERIE STREET CHICAGO, ILLINOIS 60611-3154 312-751-5600

August 28, 2006

Louis Kollias, P.E., BCEE  
*Director of Research and Development*

312-751-5190

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 IEPA Permit No. 2005-SC-3793, June 2006

This letter transmits information and data for the Metropolitan Water Reclamation District of Greater Chicago (District) - Controlled Solids Distribution Program for June 2006, as required by Illinois Environmental Protection Agency Permit No. 2005-SC-3793.

Sludge flow schematic diagrams for solids processed during June 2006 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 June. The user information report for the Droidon Point M. South Ridge Elementary School, Plainfield School District 202 is presented in Table 1, and the analysis of composited biosolids delivered in June to that site is presented in Table 2.

The user information report for the Steger Veteran's Park football field and new soccer field, Village of Steger is presented in Table 3, and the analysis of composited biosolids delivered in June to that user is presented in Table 4.

Very truly yours,

Louis Kollias  
Director  
Research and Development

LK:KK:spy  
Attachments

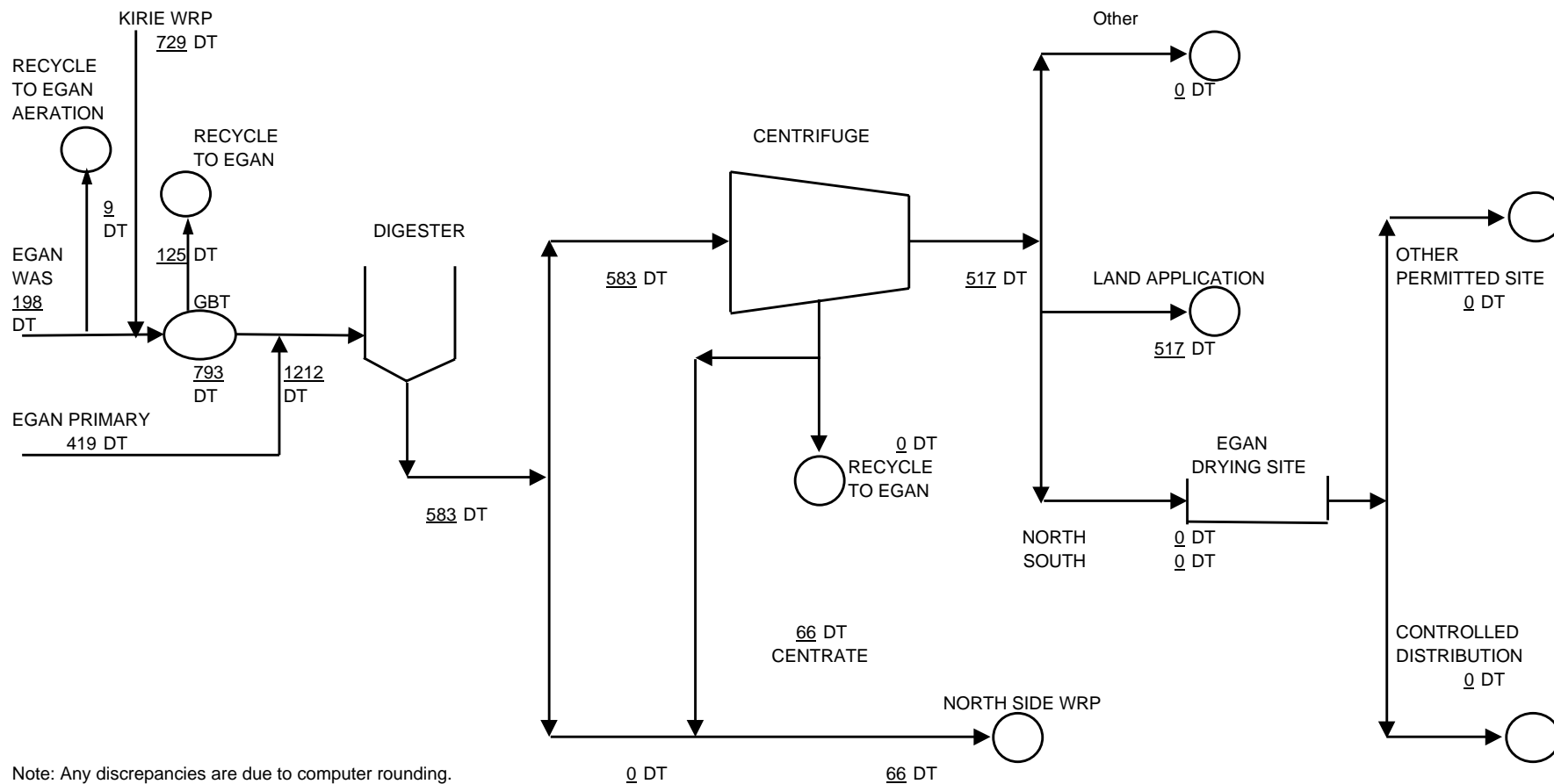
cc w/att.: Aistars (USEPA)  
Sulski (IEPA)

cc via MWRDGC web site:  
Sobanski  
Levy/Quintanilla  
Sharma /Conway  
Ballowe/Collins  
Granato/O'Connor  
Cox/Kumar/Dennison

# J.E. EGAN WRP SOLIDS DISTRIBUTION-

June-06

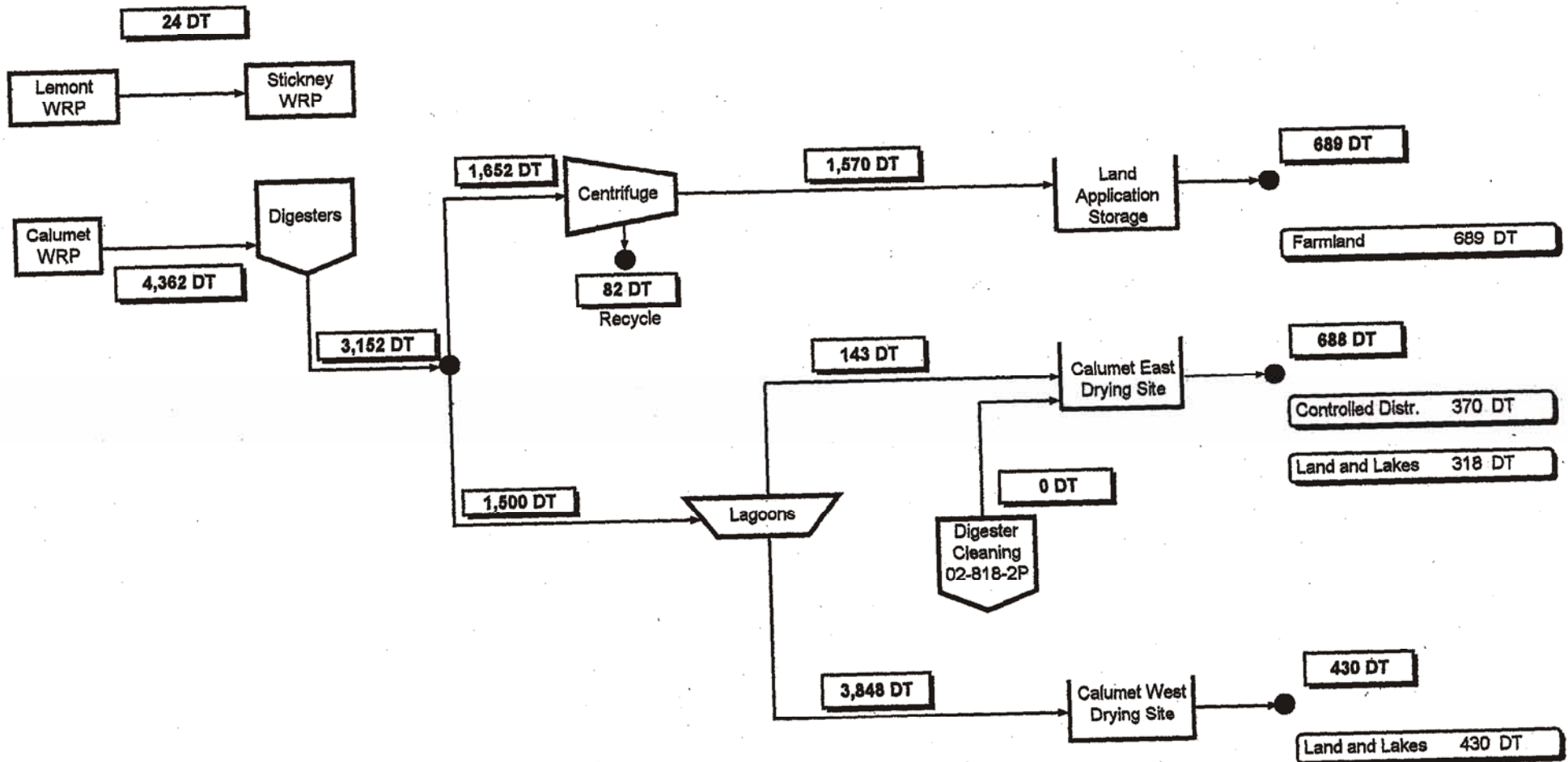
FIGURE 1



Note: Any discrepancies are due to computer rounding.

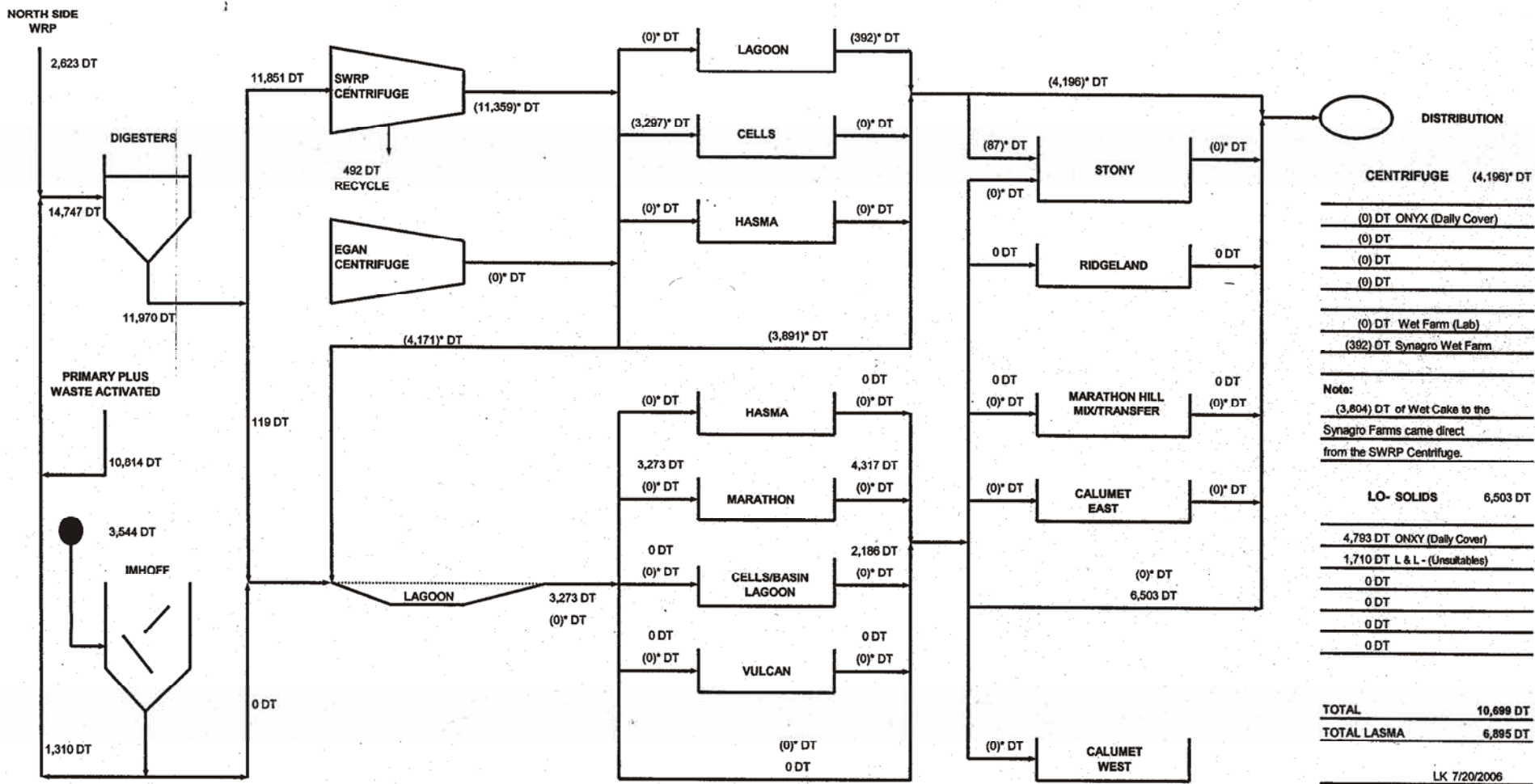
# CALUMET WRP SOLIDS DISTRIBUTION - June 2006

Figure 2



# STICKNEY WATER RECLAMATION PLANT SOLIDS DISTRIBUTION FOR JUNE 2006

## FIGURE 3



(CENTRIFUGE CAKE)\*

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 1

CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Plainfield School District 202
2.	Address of User:	15732 Howard Ave. Plainfield, IL 60544
3.	Type of Solids and Source:	Agitation dried anaerobically digested biosolid from the Calumet WRP. Drying was done at the Calumet East solids drying area
4.	Quantity Received (June 2006) :	261.6 dry tons
	Cumulative Quantity Received in 2006 :	261.6 dry tons
5.	Date Sludge Received:	June 13 - 19, 2006
6.	Use of Sludge at Site:	Used as soil conditioner and nutrient source for enhancing turf growth.
7.	Size of Application Area:	20 acres
8.	Application Rate:	13 dry tons/acre

---

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 2

ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO LAND AT  
 DROLDON POINT M. SO. RIDGE ELEMENTARY SCHOOL  
 BETWEEN 1911 DROLDON ROAD AND 1900 CATON RIDGE DRIVE  
 FROM THE CALUMET EAST DRYING AREA  
 DURING JUNE 2006

Constituent	Unit	Concentration
pH		6.1
Total Solids	%	77.6
Total Volatile Solids	"	40.7
Volatile Acids as Acetic Acid	mg/dry kg	50
Total Kjeldahl-N	"	17,441
NH <sub>3</sub> -N	"	90
Total P	"	26,571
K	"	3,717
Cd	"	8.7
Cr	"	147
Cu	"	487
Pb	"	166
Hg	"	1.39
Mo	"	18.2
As	"	10.0
Mn	"	856
Ni	"	45.0
Se	"	0.70
Zn	"	1,612

\*Results based on two samples.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 3

CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Village of Steger
2.	Address of User:	35 W. 34th Sreet Steger, IL 60475
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at Calumet East solids drying area.
4.	Quantity Received (June 2006):	108 dry tons
	Cumulative Quantity Received in 2006:	108 dry tons
5.	Date Sludge Received:	June 21, 2006
6.	Use of Sludge at Site:	Used as soil conditioner and nutrient source for enhancing turf growth.
7.	Size of Application Area:	2 acres
8.	Application Rate:	54 dry tons/acre

---



METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 4

ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO LAND AT THE  
 STEGER VETERAN'S PARK FOOTBALL FIELD AND NEW SOCCER FIELD  
 FROM THE CALUMET EAST DRYING AREA  
 DURING JUNE 2006

Constituent	Units	Concentration
pH		6.3
Total Solids	%	63.9
Total Volatile Solids	"	41.3
Volatile Acids as Acetic Acid	mg/dry kg	6
Total Kjeldahl-N	"	9,690
NH <sub>3</sub> -N	"	102
Total P	"	14,375
K	"	2,449
Cd	"	8.9
Cr	"	135
Cu	"	502
Pb	"	167
Hg	"	1.95
Mo	"	16.0
As	"	12.5
Mn	"	858
Ni	"	39.4
Se	"	20.2
Zn	"	1,647

\*Results based on one sample.