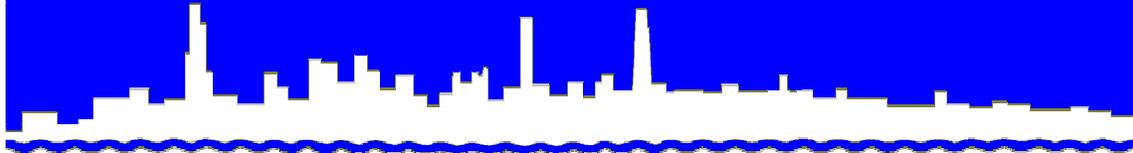


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***RESEARCH AND DEVELOPMENT
DEPARTMENT***

REPORT NO. 06-65

MONTHLY CONTROLLED SOLIDS

DISTRIBUTION REPORT

AUGUST 2006

OCTOBER 2006

Metropolitan Water Reclamation District of Greater Chicago

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

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

October 18, 2006

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, August 2006

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

Sludge flow schematic diagrams for solids processed during August 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 only one site in August. The user information report for the Chalet Hills Golf Course, Cary is presented in [Table 1](#), and the analysis of composited biosolids delivered in August to that site is presented in [Table 2](#).

Very truly yours,

Louis Kollias
Director
Research and Development

LK:KK:spy

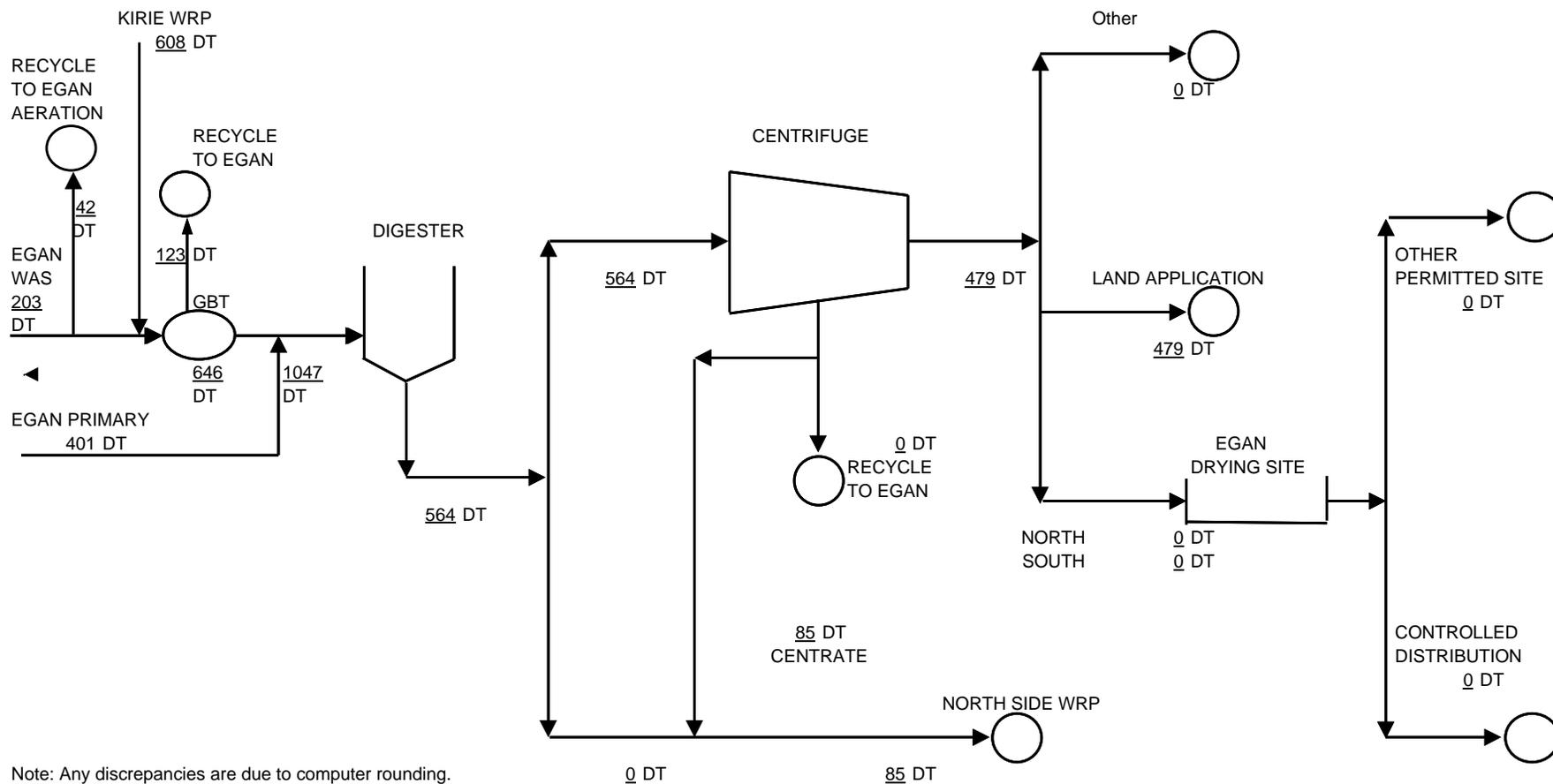
Attachments

cc w/att.: Aistars (USEPA)
Sulski (IEPA)
Sobanski
Levy/Quintanilla
Sharma /Carmody
Ballowe/Collins
Granato/O'Connor/Cox

J.E. EGAN WRP SOLIDS DISTRIBUTION-

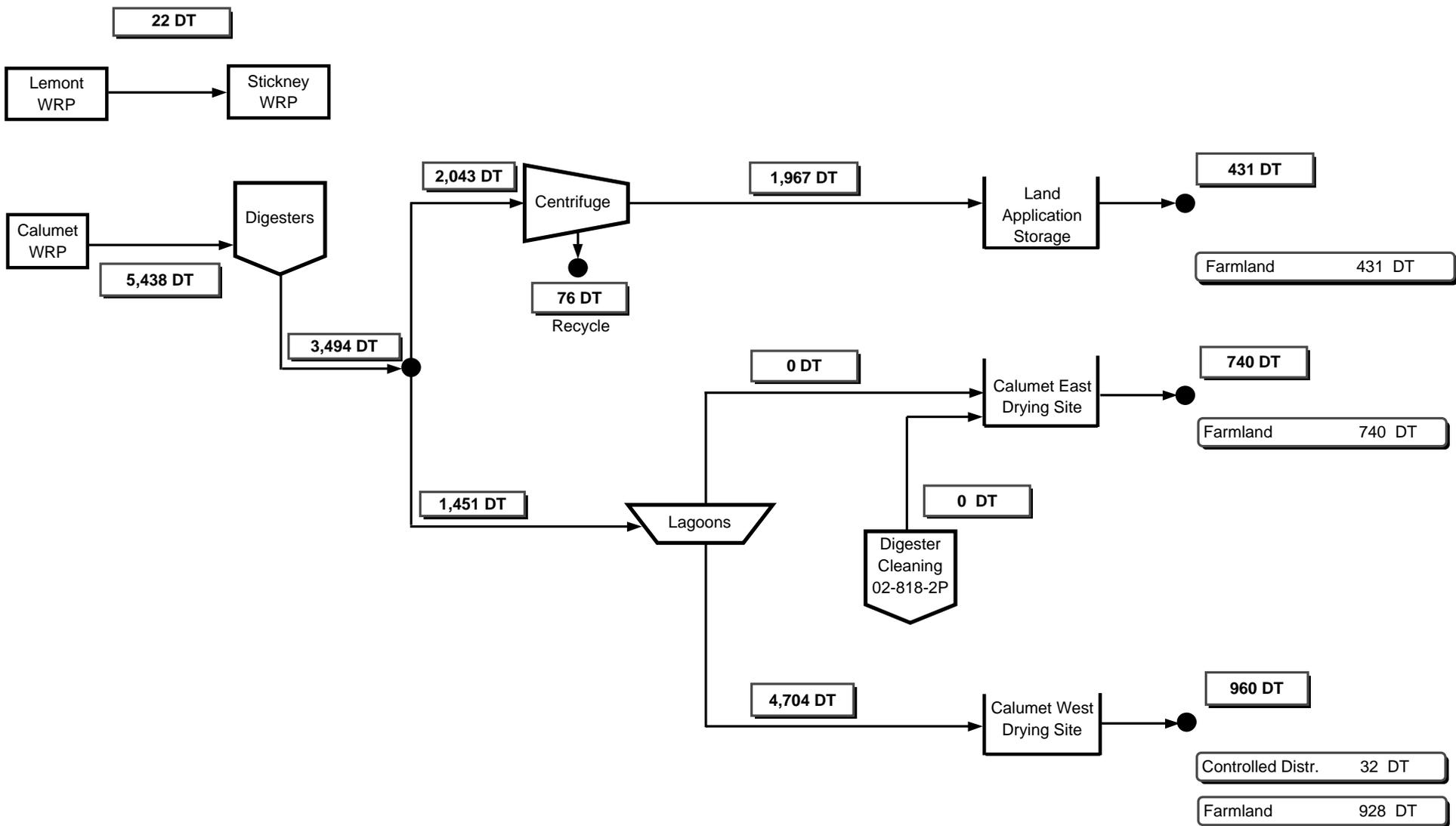
August-06

Figure 1



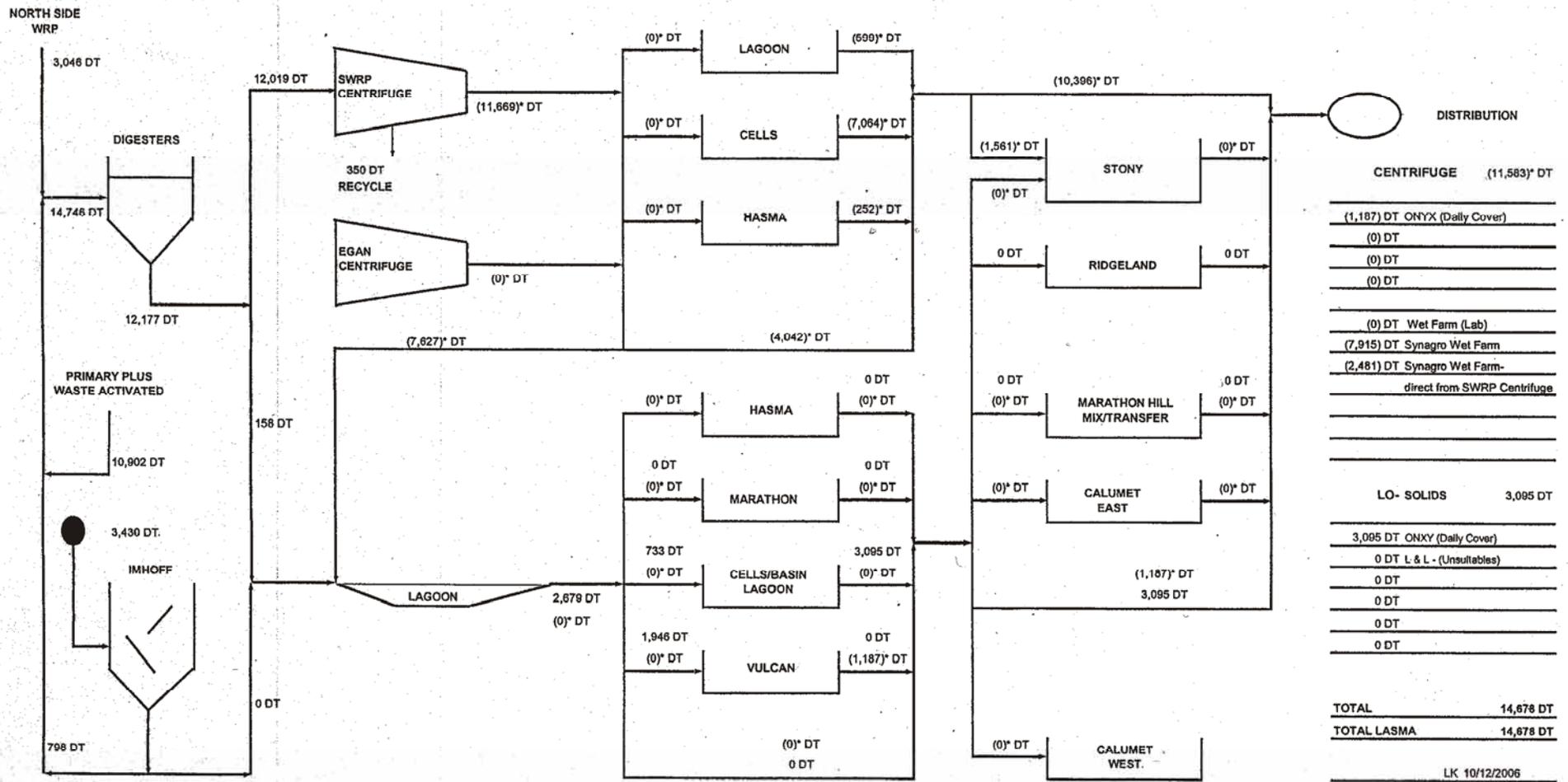
CALUMET WRP SOLIDS DISTRIBUTION - August 2006

Figure 2



STICKNEY WATER RECLAMATION PLANT SOLIDS DISTRIBUTION FOR AUGUST 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:	Chalet Hills Golf Course
2.	Address of User:	945 Rawson Bridge Road Cary, IL 60013
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet West solids drying areas.
4.	Quantity Received (August 2006):	32.48 dry tons
	Cumulative Quantity Received in 2006:	32.48 dry tons
5.	Date Biosolids Received:	August 28, 2006
6.	Use of Biosolids at Site:	Used as soil conditioner and nutrient source for enhancing turf growth
7.	Size of Application Area:	3.2 acres
8.	Application Rate:	10 tons/acre

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 2

ANALYSIS* OF DIGESTED BIOSOLIDS APPLIED TO LAND AT THE
CHALET HILLS GOLF COURSE LOCATED AT 945 RAWSON BRIDGE ROAD
CARY, IL FROM THE CALUMET WEST DRYING AREA
DURING AUGUST 2006

Constituent	Units	Concentration
pH		6.7
Total Solids	%	76.9
Total Volatile Solids	"	41.6
Volatile Acids as Acetic Acid	mg/dry kg	40
Total Kjeldahl-N	"	21,007
NH ₃ -N	"	1,058
Total P	"	31,092
K	"	3696
Cd	"	8.4
Cr	"	170
Cu	"	481
Pb	"	127
Hg	"	1.9
Mo	"	12.9
As	"	5.7
Mn	"	878
Ni	"	41.6
Se	"	20.2
Zn	"	1,478

*Results based on one sample.