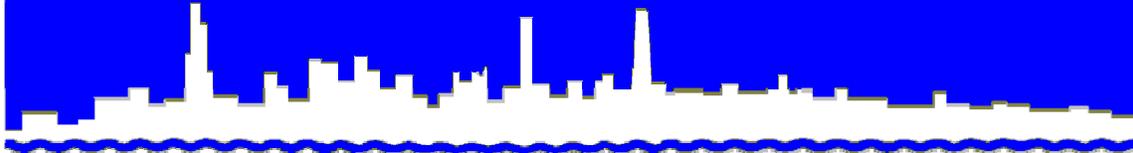


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***RESEARCH AND DEVELOPMENT
DEPARTMENT***

REPORT NO. 06-75

MONTHLY CONTROLLED SOLIDS

DISTRIBUTION REPORT

SEPTEMBER 2006

December 2006

Metropolitan Water Reclamation District of Greater Chicago

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

December 15, 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, September 2006

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

Sludge flow schematic diagrams for solids processed during September 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 September. The user information report for the Chalet Hills Golf Course, 945 Rawson Bridge Road, Cary, Illinois 60013 is presented in [Table 1](#), and the analysis of composited biosolids delivered in September to that site is presented in [Table 2](#).

The user information report for the Cinder Ridge Gold Course, 24801 Lakepoint Drive, Wilmington, Illinois 60481 is presented in [Table 3](#), and the analysis of composited biosolids delivered in September to that user is presented in [Table 4](#).

Very truly yours,

Louis Kollias
Director
Research and Development

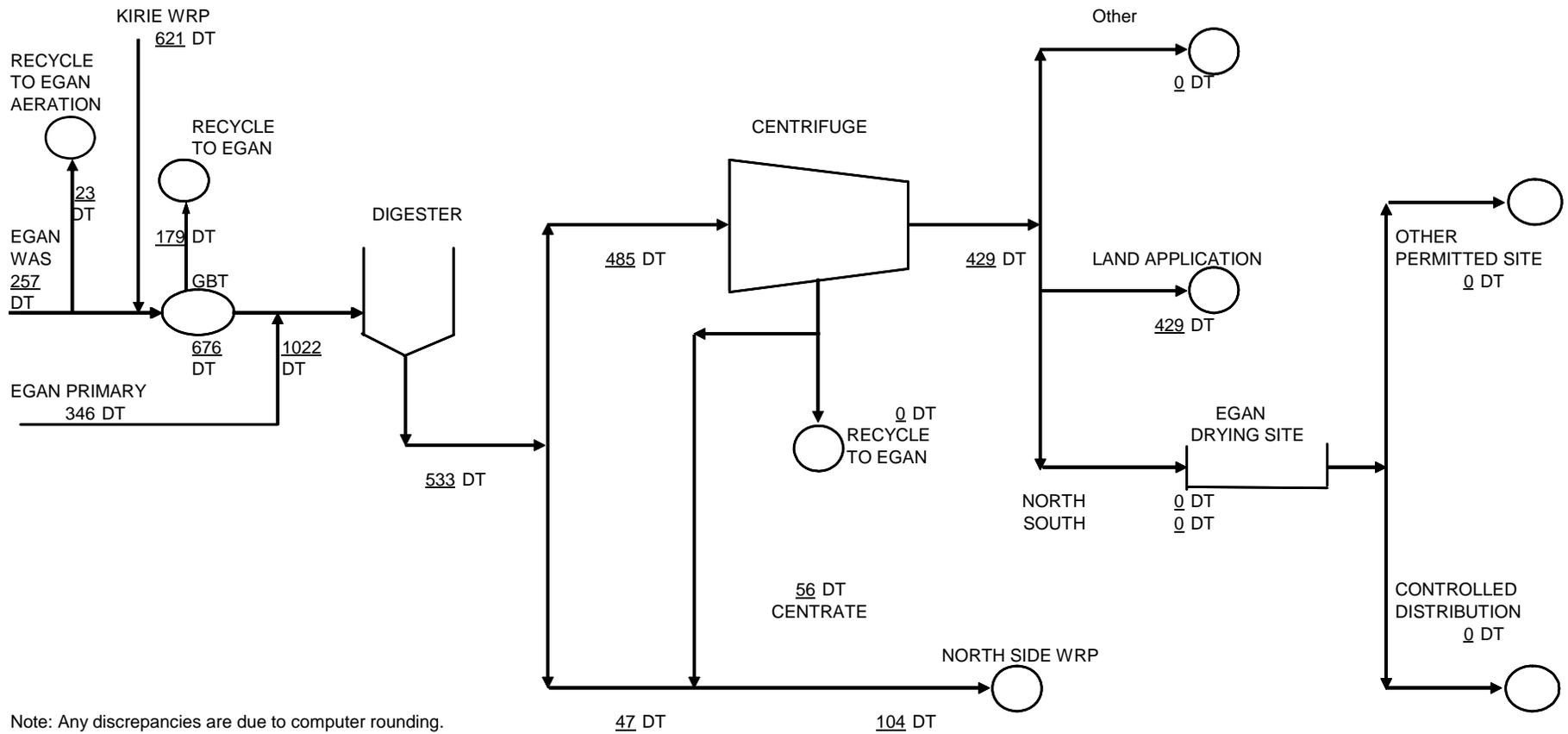
LK:TCG:AC:KK:spy

Attachments

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

J.E. EGAN WRP SOLIDS DISTRIBUTION- FIGURE 1

September-06



Note: Any discrepancies are due to computer rounding.

CALUMET WRP SOLIDS DISTRIBUTION – SEPTEMBER 2006

Figure 2

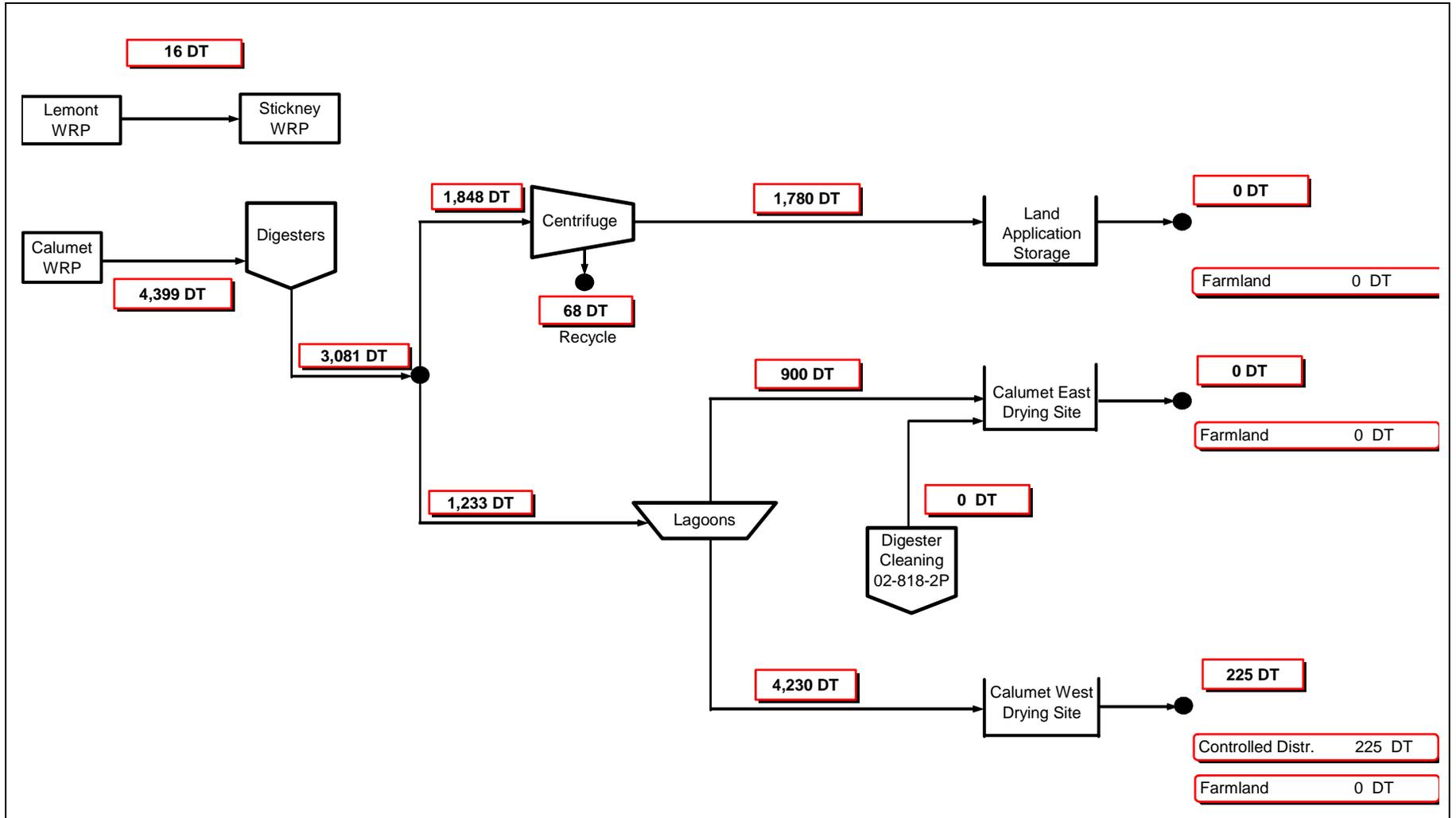


TABLE 1: CONTROLLED SOLIDS DISTRIBUTION PROGRAM
USER INFORMATION REPORT

Name of User:	Chalet Hills Golf Course
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Address of User:	945 Rawson Bridge Road Cary, IL 60013
Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet West solids drying area.
Quantity Received (September 2006):	26.85 dry tons
Cumulative Quantity Received in 2006:	59.33 dry tons
Date Biosolids Received:	September 26, 2006
Use of Biosolids at Site:	Used as soil conditioner and nutrient source for enhancing turf growth.
Size of Application Area:	3.0 acres
Application Rate:	8.95 dry tons/acre

TABLE 2: ANALYSIS* OF DIGESTED BIOSOLIDS APPLIED TO LAND AT THE
CHALET HILLS GOLF COURSE AT 945 RAWSON BRIDGE ROAD, CARY
FROM THE CALUMET WEST DRYING AREA DURING SEPTEMBER 2006

Constituent	Units	Concentration
pH		6.5
Total Solids	%	63.1
Total Volatile Solids	"	40.8
Volatile Acids as Acetic Acid	mg/dry kg	114
Total Kjeldahl-N	"	12,175
NH ₃ -N	"	131
Total P	"	27,056
K	"	2,770
Cd	"	9.1
Cr	"	174
Cu	"	523
Pb	"	139
Hg	"	0.96
Mo	"	12.0
As	"	5.6
Mn	"	934
Ni	"	41.8
Se	"	15.3
Zn	"	1,621

*Results based on one sample.

TABLE 3: CONTROLLED SOLIDS DISTRIBUTION PROGRAM
USER INFORMATION REPORT

1. Name of User:	Lakepoint Club Corp./DBA Cinder Ridge Golf Course
2. Address of User:	24801 Lakepoint Drive Wilmington, Illinois 60481
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 area.
4. Quantity Received (September 2006):	198.33 dry tons
Cumulative Quantity Received: in 2006	198.33 dry tons
5. Date Sludge Received:	September 26, 2006
6. Use of Sludge at Site:	Used as soil conditioner and nutrient source for enhancing turf growth.
7. Size of Application Area:	30 acres
8. Application Rate:	6.61 dry tons/acre

TABLE 4: ANALYSIS* OF DIGESTED BIOSOLIDS APPLIED TO LAND AT THE
 CINDER RIDGE GOLF COURSE AT 24801 LAKEPOINT DRIVE, WILMINGTON
 FROM THE CALUMET WEST SOLIDS DRYING AREA
 DURING SEPTEMBER 2006

Constituent	Units	Concentration
pH		6.5
Total Solids	%	62.8
Total Volatile Solids	"	41.0
Volatile Acids as Acetic Acid	mg/dry kg	116
Total Kjeldahl-N	"	14,141
NH ₃ -N	"	137
Total P	"	29,328
K	"	4,032
Cd	"	8.4
Cr	"	173
Cu	"	489
Pb	"	131
Hg	"	2.70
Mo	"	14.8
As	"	11.4
Mn	"	895
Ni	"	41.9
Se	"	15.7
Zn	"	1,488

*Results based on one sample.

