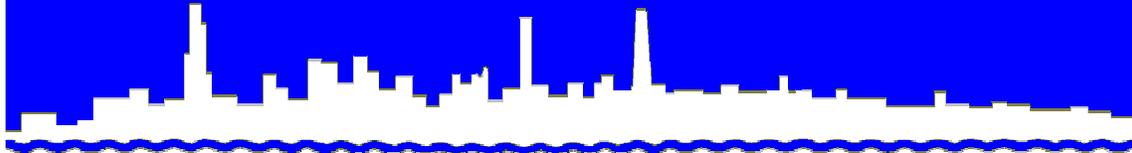


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 11-61

MONTHLY CONTROLLED SOLIDS

DISTRIBUTION REPORT

August 2011

November 2011

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

thomas.granato@mwrdd.org

November 16, 2011

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. 2010-
SC-0200, August 2011

This letter transmits information and data for the Metropolitan Water Reclamation District of
Greater Chicago - Controlled Solids Distribution Program for August 2011, as required by Illinois
Environmental Protection Agency Permit No. 2010-SC-0200.

Sludge flow schematic diagrams for solids processed during August 2011 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 five sites in August. The user information report for those sites
is presented in Table 1, and the analysis of the composited biosolids delivered to those sites is pre-
sented in Table 2.

Very truly yours,

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

TCG:OO:cm

Attachments

cc: V. Aistars (USEPA)

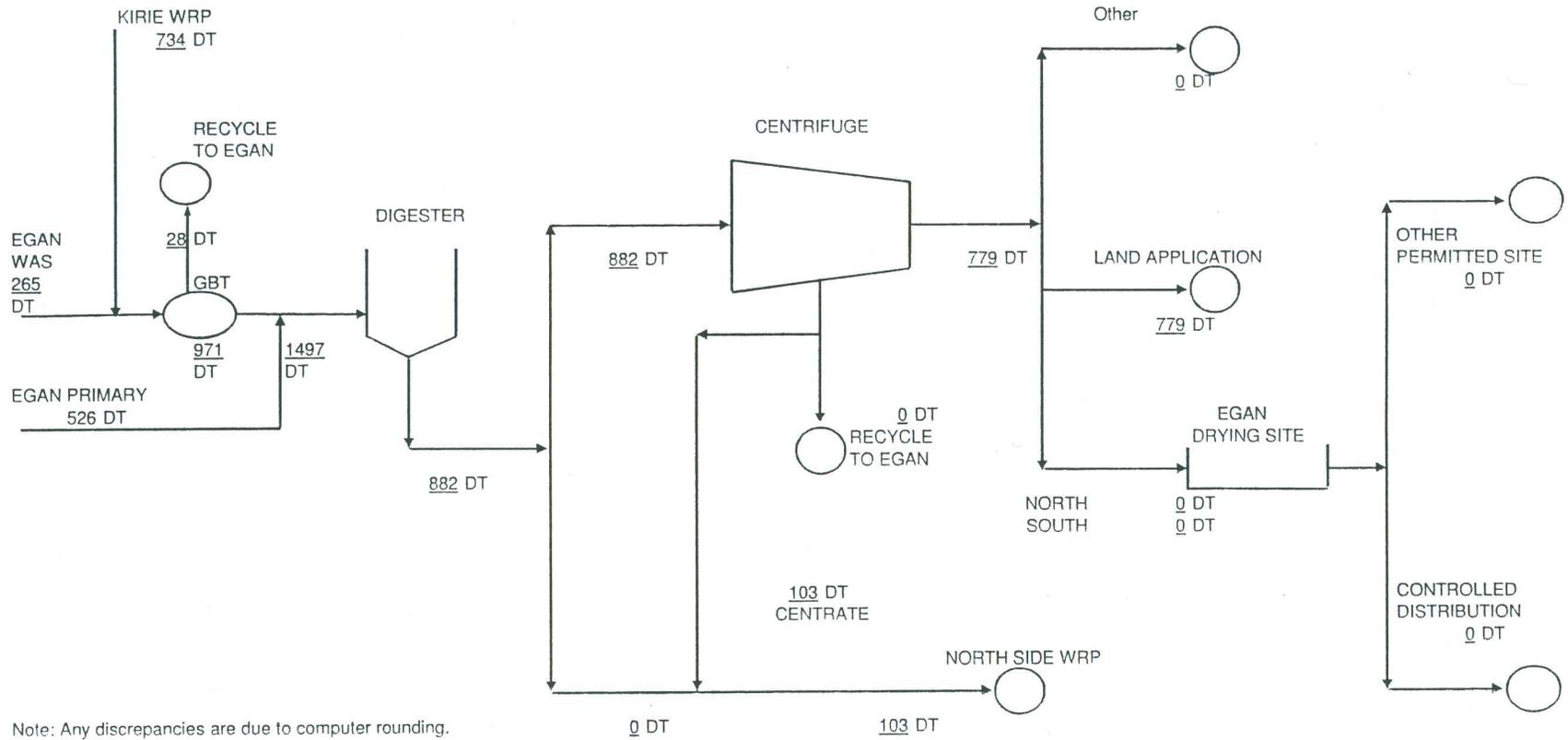
R. Sulski (IEPA)

K. Kits

C. O'Connor

J.E. EGAN WRP SOLIDS DISTRIBUTION- FIGURE 1

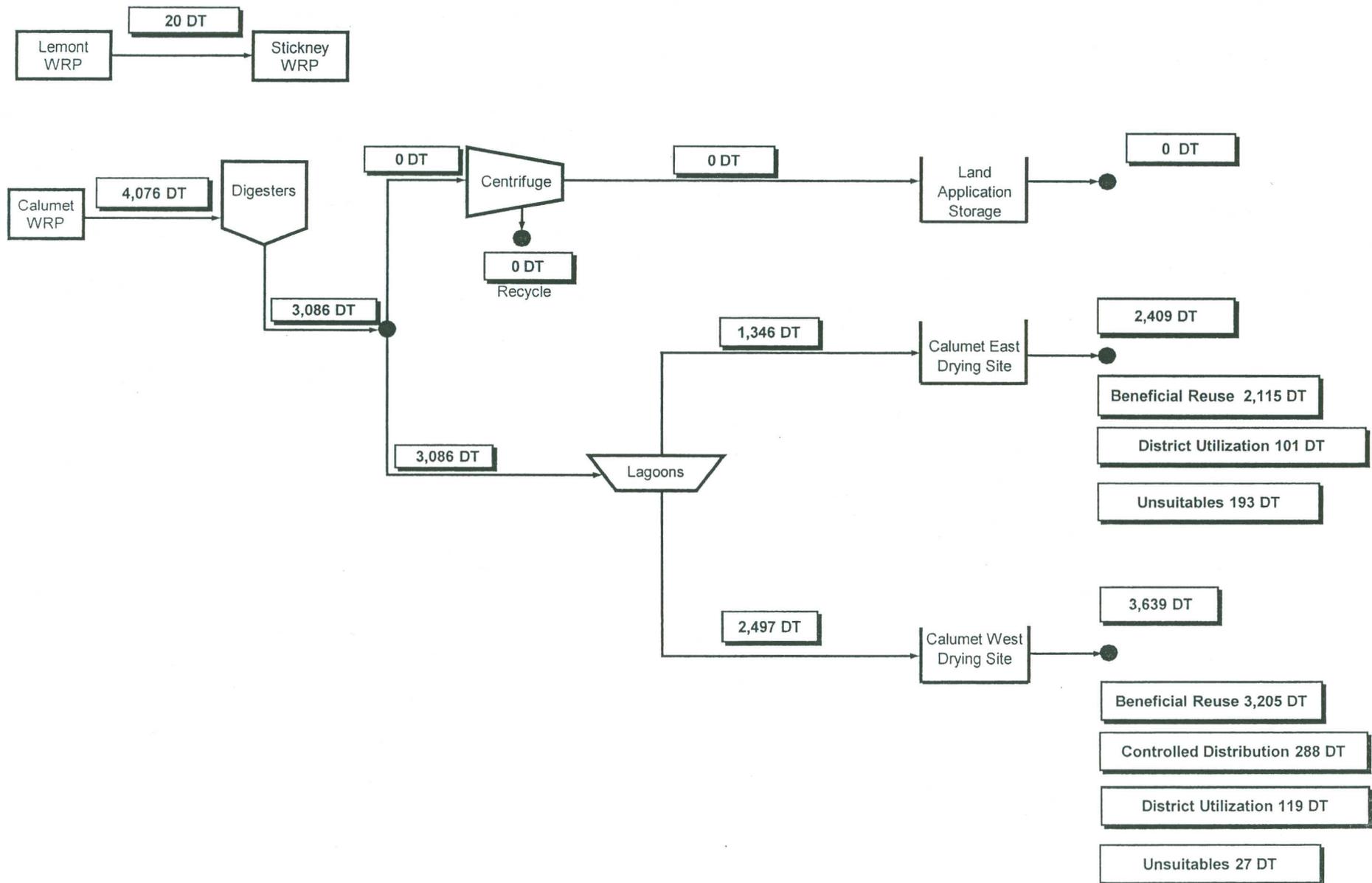
August-11



Note: Any discrepancies are due to computer rounding.

CALUMET WRP SOLIDS DISTRIBUTION - August 2011

Figure 2



STICKNEY WATER RECLAMATION PLANT SOLIDS DISTRIBUTION FOR AUGUST 2011

FIGURE 3

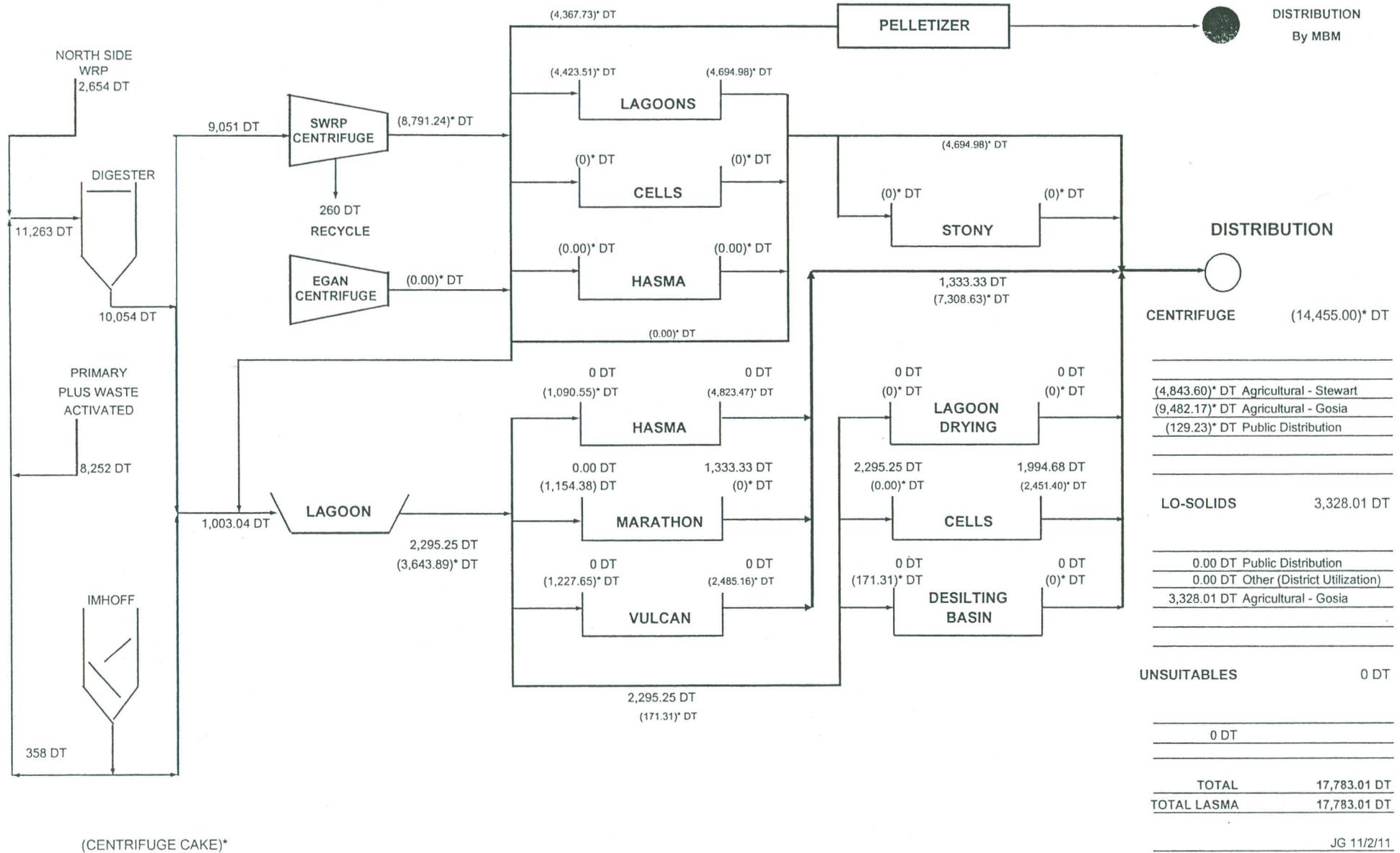


TABLE 1: CONTROLLED SOLIDS DISTRIBUTION PROGRAM USER INFORMATION REPORT
FOR AGITATION-DRIED, ANAEROBICALLY-DIGESTED SOLIDS

Location No.	Name and Address of User	Source	Dates	Quantity (dry tons)		Biosolids Use	Application	
				2011 August	2011 Cumulative		Area (acres)	Rate (tons/acre)
1	Calumet WRP Metropolitan Water Reclamation District of Greater Chicago Chicago, IL 60628	Calumet WRP	2, 22	220.6	449.6	Incorporation with top soil for turf growth	3	73.5
2	Chicago Park District Ping Tom Memorial Park 300 W. 19th St Chicago, IL 60616	Calumet WRP	5	112.0	711.5	Incorporation with top soil for turf growth	2	56.0
3	Renwood Golf Course 701 E. Shorewood Rd Round Lake, IL 60073	Calumet WRP	5	19.9	19.9	Topdressing as fertilizer for turf growth	1	19.9
4	Morton Grove Park District Harrer Park 6500 W. Dempster Morton Grove, IL 60053	Calumet WRP	12, 16	156.1	156.1	Topdressing as fertilizer for turf growth	7	22.3
5	Morton Grove Park District Prairie View Park 6500 W. Dempster Morton Grove, IL 60053	Stickney WRP	19, 22, 23	129.2	129.2	Topdressing as fertilizer for turf growth	6	21.5

TABLE 2: ANALYSIS OF DIGESTED BIOSOLIDS APPLIED TO LAND FROM THE STICKNEY AND CALUMET WATER RECLAMATION PLANTS DRYING AREA DURING AUGUST 2011

User Location No ¹	Calumet WRP			Stickney WRP
	1	2, 3	1, 4	5
<u>Constituent</u>	<u>Unit</u>			
pH		6.8	6.8	7.0
Total Solids	%	66.7	88.0	72.0
Total Volatile Solids	"	29.4	42.1	35.1
Total Kjeldahl-N	mg/kg	9,724	17,745	13,738
NH ₃ -N	"	338	2,212	2,547
Total P	"	16,316	16,312	13,539
As	"	<10.0	<10.0	<10.0
Cd	"	2.3	2.1	2.3
Cr	"	106	53	53
Cu	"	331	378	394
Hg	"	0.9	0.9	0.8
K	"	1,764	2,730	1,807
Mn	"	839	961	947
Mo	"	3.3	10.4	9.7
Ni	"	37.1	31.2	29.1
Pb	"	83	88	88
Se	"	<5.0	<5.0	<5.0
Zn	"	845	1069	1066

¹Locations listed in [Table 1](#).