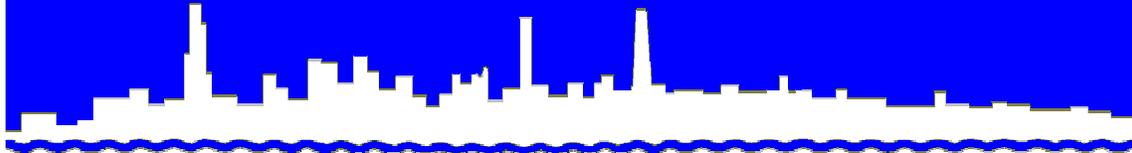


*Protecting Our Water Environment*



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

***MONITORING AND RESEARCH  
DEPARTMENT***

***REPORT NO. 11-71***

***MONTHLY CONTROLLED SOLIDS***

***DISTRIBUTION REPORT***

***SEPTEMBER 2011***

***DECEMBER 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 Department

thomas.granato@mwrdd.org

December 15, 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, September 2011

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

Sludge flow schematic diagrams for solids processed during September 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 18 sites in September. The user information report for those  
sites is presented in Table 1, and the analysis of the composited biosolids delivered to those sites is  
presented in Table 2.

Very truly yours,

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

TCG:AC:cm

Attachments

cc: V. Aistars (USEPA)

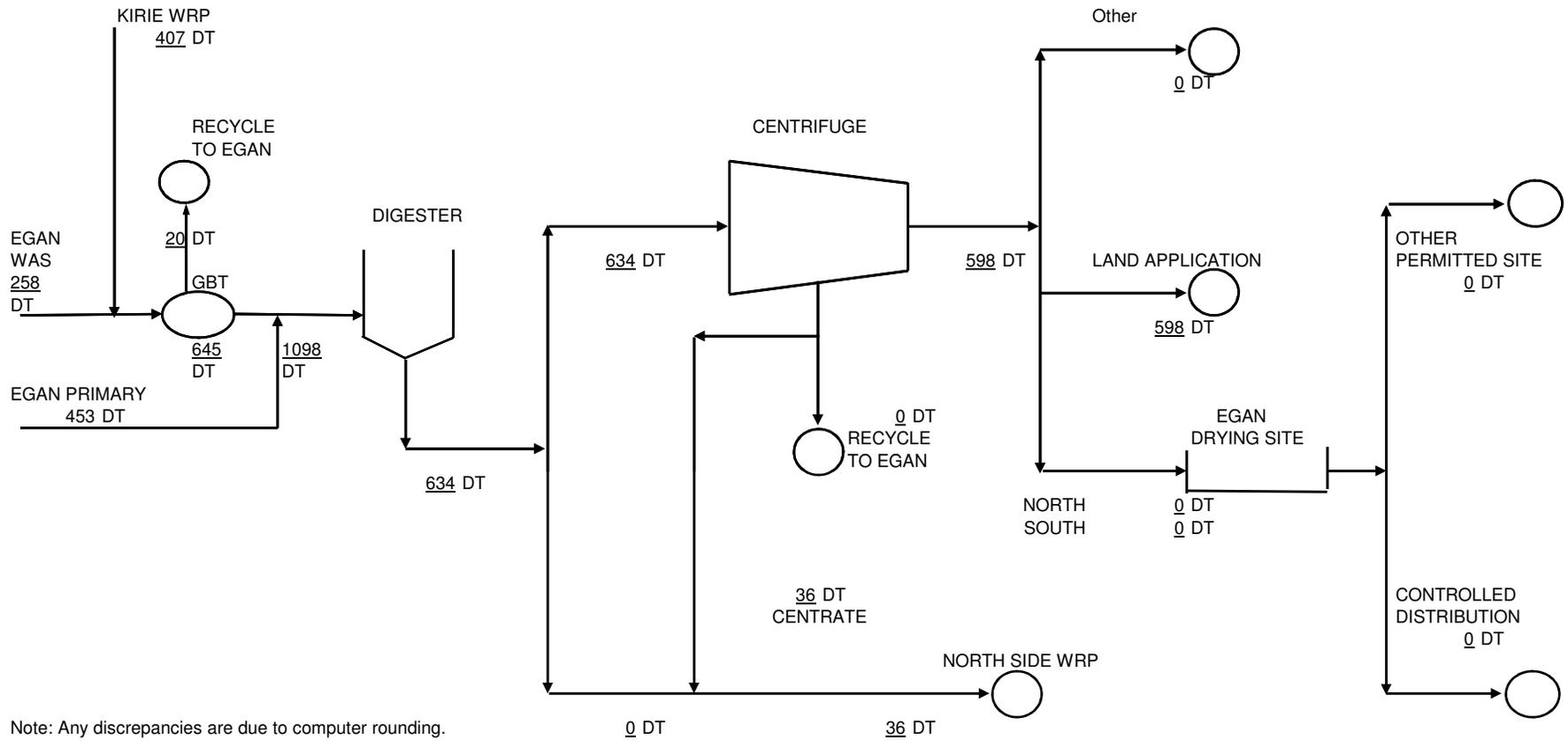
R. Sulski (IEPA)

K. Kits

O'Connor

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

September-11



Note: Any discrepancies are due to computer rounding.

# CALUMET WRP SOLIDS DISTRIBUTION - September 2011

Figure 2

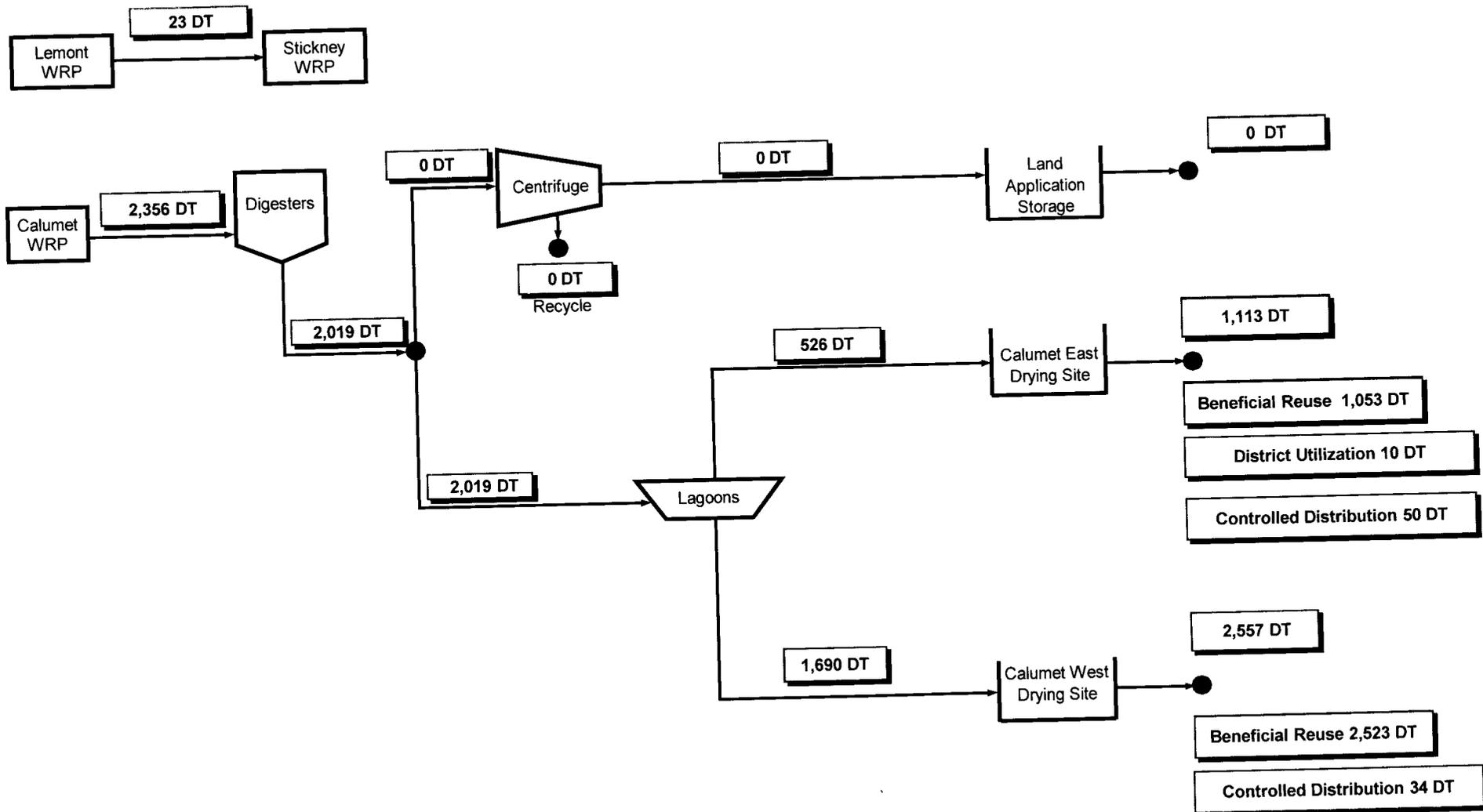




TABLE 1: CONTROLLED SOLIDS DISTRIBUTION PROGRAM USER INFORMATION REPORT FOR  
AGITATION DRIED ANAEROBICALLY DIGESTED SOLIDS

Location No.	Name and Address of User	Source	Dates	Quantity (dry tons)		Biosolids Use	Application	
				2011 September	2011 Cumulative		Area (acres)	Rate (tons/acre)
1	Summit Park District Skate Park 5700 S. Archer Ave. Summit, IL 60501	Stickney WRP	2	50.0	50.0	Topdressing as fertilizer for turf growth	2	25.0
2	Chicago Park District Horner Park 541 N. Fairbanks Chicago, IL 60611	Stickney WRP	6	15.5	15.5	Topdressing as fertilizer for turf growth	1	15.5
3	Lisle Park District Woodglenn Park 1825 Short St. Lisle, IL 60532	Stickney WRP	6	62.5	62.5	Topdressing as fertilizer for turf growth	3	20.8
4	Tinley Park Park District Freedom Park 7835 Timber Dr. Tinley Park, IL 60477	Stickney WRP	6, 21, 23	325.2	325.2	Topdressing as fertilizer for turf growth	12	27.1
5	Burbank Park District Fitzgerald Park 83 <sup>rd</sup> and Nashville Burbank, IL 60459	Stickney WRP	7	17.5	17.5	Topdressing as fertilizer for turf growth	1	17.5

TABLE 1 (Continued): 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 September	2011 Cumulative		Area (acres)	Rate (tons/acre)
6	Joliet Township High School 201 E. Johnson St. Joliet, IL 60432	Stickney WRP	7	50.1	50.1	Topdressing as fertilizer for turf growth	2	25.0
7	Burbank Park District McArthur Park 83 <sup>rd</sup> and McVicker Burbank, IL 60459	Stickney WRP	7	17.8	17.8	Topdressing as fertilizer for turf growth	1	17.8
8	Burbank Park District Newcastle Park 8050 S. Newcastle Burbank, IL 60459	Stickney WRP	7	17.1	17.1	Topdressing as fertilizer for turf growth	1	17.1
9	Burbank Park District Nottingham Park 75 <sup>th</sup> and Nottingham Burbank, IL 60459	Stickney WRP	7	32.5	32.5	Topdressing as fertilizer for turf growth	2	16.2

TABLE 1 (Continued): 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 September	2011 Cumulative		Area (acres)	Rate (tons/acre)
10	Burbank Park District Wright Park 8050 S. Newcastle Burbank, IL 60459	Stickney WRP	7	81.4	81.4	Topdressing as fertilizer for turf growth	3	27.1
11	York Center Park District Villa Roosevelt Park 1609 S. Luther Ave. Lombard, IL 60148	Stickney WRP	7, 8	30.6	30.6	Topdressing as fertilizer for turf growth	2	15.3
12	Oak Lawn Park District Centennial Park 4425 Southwest Hwy. Oak Lawn, IL 60453	Stickney WRP	12	14.4	14.4	Topdressing as fertilizer for turf growth	1	14.3
13	Twin Orchard Country Club 22353 Old McHenry Rd. Long Grove, IL 60047	Stickney WRP	14	15.5	15.5	Topdressing as fertilizer for turf growth	1	15.5
14	Highland Park Golf Club, 1201 Park Avenue West Highland Park, IL 60035	Stickney WRP	21	16.3	16.3	Topdressing as fertilizer for turf growth	1	16.3

TABLE 1 (Continued): 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 September	2011 Cumulative		Area (acres)	Rate (tons/acre)
15	River Forest Park District Priory Park 401 Thatcher Ave. River Forest, IL 60305	Stickney WRP	22	18.1	18.1	Topdressing as fertilizer for turf growth	1	18.1
16	Joliet Country Club 1009 Spencer Rd. Joliet, IL 60433	Calumet WRP	8, 13, 14	74.9	74.9	Topdressing as fertilizer for turf growth	3	25.0
17	Calumet WRP Metropolitan Water Reclamation District of Greater Chicago Chicago, IL 60628	Calumet WRP	13	9.9	459.5	Topdressing as fertilizer for turf growth	1	9.9
18	Balmoral Woods Golf Club 26732 S. Balmoral Woods Dr. Crete, IL 60416	Calumet WRP	21	9.2	9.2	Topdressing as fertilizer for turf growth	1	9.2

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

User Location No <sup>1</sup>	Stickney WRP					Calumet WRP	
	1	2, ,3, 4	5, 6, 7, 8, 9, 10, 11	12, 13	4, 14, 15	16, 17, 18	
<u>Constituent</u>	<u>Unit</u>						
pH		6.4	6.3	6.6	6.4	6.6	6.7
Total Solids	%	75.4	66.9	74.9	74.5	74.1	67.3
Total Volatile Solids	"	36.9	44.8	45.5	43.1	41.9	40.0
Total Kjeldahl-N	mg/kg	25,438	27,489	23,696	24,071	23,310	22,154
NH <sub>3</sub> -N	"	2,144	3,385	3,891	3,269	1,818	1,854
Total P	"	25,098	26,674	22,379	25,104	25,784	21,727
As	"	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
Cd	"	3.8	3.3	3.2	3.5	3.7	2.1
Cr	"	157	156	151	161	156	63
Cu	"	444	416	414	432	463	387
Hg	"	0.7	0.6	1.0	0.7	0.7	1.2
K	"	2,485	4,163	3,785	3,946	2,421	3,075
Mn	"	628	610	603	619	618	902

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

User Location No <sup>1</sup>	Stickney WRP					Calumet WRP	
	1	2, ,3, 4	5, 6, 7, 8, 9, 10, 11	12, 13	4, 14, 15	16, 17, 18	
Mo	"	10.3	9.9	9.5	10.1	10.5	9.5
Ni	"	42.3	40.1	39.5	40.0	41.5	30.7
Pb	"	121	114	110	113	113	85
Se	"	<5.0	<5.0	<5.0	<5.0	<5.0	<5.00
Zn	"	896	863	828	843	890	989

<sup>1</sup>Locations listed in Table 1.