

*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***RESEARCH AND DEVELOPMENT  
DEPARTMENT***

*REPORT NO. 08-19*

*MONTHLY CONTROLLED SOLIDS*

*DISTRIBUTION REPORT*

*NOVEMBER 2007*

*APRIL 2008*

**Metropolitan Water Reclamation District of Greater Chicago**

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312-751-5190

April 8, 2008

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, November 2007

This letter transmits information and data for the Metropolitan Water Reclamation District of Greater Chicago (District) - Controlled Solids Distribution Program for November 2007, as required by Illinois Environmental Protection Agency Permit No. 2005-SC-3793.

Sludge flow schematic diagrams for solids processed during November 2007 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 twenty-eight sites in November.

The user information report for Birch Park, Park District of Franklin Park, 2952 Birch Street, Franklin Park, Illinois, is presented in Table 1, and the analysis of composited biosolids delivered to that site is presented in Table 2.

The user information report for Plainfield Central High School, Plainfield Consolidated School District 202, Plainfield, Illinois, is presented in Table 3, and the analysis of composited biosolids delivered to that site is presented in Table 4.

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The user information report for baseball fields at 8400 S. Nashville Ave., Burbank Park District, Burbank, Illinois, is presented in [Table 5](#), and the analysis of composited biosolids delivered to that site is presented in [Table 6](#).

The user information report for Berens and Plunkett Parks, Elmhurst Park District, Elmhurst, Illinois, is presented in [Table 7](#), and the analysis of composited biosolids delivered to that site is presented in [Table 8](#).

The user information report for Homer Athletic Center, Homer Glen, Illinois, is presented in [Table 9](#), and the analysis of composited biosolids delivered to that site is presented in [Table 10](#).

The user information report for Reavis High School, Burbank, Illinois, is presented in [Table 11](#), and the analysis of composited biosolids delivered to that site is presented in [Table 12](#).

The user information report for Pottawatomie Golf Course, St. Charles Park District, St. Charles, Illinois, is presented in [Table 13](#), and the analysis of composited biosolids delivered to that site is presented in [Table 14](#).

The user information report for Bremen High School, Midlothian, Illinois, is presented in [Table 15](#), and the analysis of composited biosolids delivered to that site is presented in [Table 16](#).

The user information report for Hickory Hills Baseball Club, Hickory Hills, Illinois, is presented in [Table 17](#), and the analysis of composited biosolids delivered to that site is presented in [Table 18](#).

The user information report for Memorial Park, Midlothian Park District, Midlothian, Illinois, is presented in [Table 19](#), and the analysis of composited biosolids delivered to that site is presented in [Table 20](#).

The user information report for Plainfield North High School, Plainfield Consolidated School District 202, Plainfield, Illinois, is presented in [Table 21](#), and the analysis of composited biosolids delivered to that site is presented in [Table 22](#).

The user information report for soccer fields at 84<sup>th</sup> St. and Nashville Ave., Burbank Park District, Burbank, Illinois, is presented in [Table 23](#), and the analysis of composited biosolids delivered to that site is presented in [Table 24](#).

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The user information report for McArthur Park, Burbank Park District, Burbank, Illinois, is presented in [Table 25](#), and the analysis of composited biosolids delivered to that site is presented in [Table 26](#).

The user information report for Saint Xavier University, Chicago, Illinois, is presented in [Table 27](#), and the analysis of composited biosolids delivered to that site is presented in [Table 28](#).

The user information report for soccer fields at Hilder Walker and Union Creek Parks, Frankfort Square Park District, Frankfort, Illinois, is presented in [Table 29](#), and the analysis of composited biosolids delivered to that site is presented in [Table 30](#).

The user information report for athletic fields at Main Park, Summit Park District, Summit, Illinois, is presented in [Table 31](#), and the analysis of composited biosolids delivered to that site is presented in [Table 32](#).

The user information report for White Pines Golf Club, Bensenville Park District, Bensenville, Illinois, is presented in [Table 33](#), and the analysis of composited biosolids delivered to that site is presented in [Table 34](#).

The user information report for Glenwoodie Golf Course, Glenwood, Illinois, is presented in [Table 35](#), and the analysis of composited biosolids delivered to that site is presented in [Table 36](#).

The user information report for Tinley Park High School, Tinley Park, Illinois, is presented in [Table 37](#), and the analysis of composited biosolids delivered to that site is presented in [Table 38](#).

The user information report for Chicago Shoreline 40<sup>th</sup> to 41<sup>st</sup> Street Park, Chicago Park District, Chicago, Illinois, is presented in [Table 39](#), and the analysis of composited biosolids delivered to that site is presented in [Table 40](#).

The user information report for soccer fields at 400 W. Nebraska Ave., Frankfort Park District, Frankfort, Illinois, is presented in [Table 41](#), and the analysis of composited biosolids to that site is presented in [Table 42](#).

The user information report for Lincoln Elementary School, Plainfield Consolidated School District 202, Plainfield, Illinois, is presented in [Table 43](#), and the analysis of composited biosolids delivered to that site is presented in [Table 44](#).

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The user information report for soccer fields at Blue Island Park District, Blue Island, Illinois, is presented in Table 45, and the analysis of composited biosolids delivered to that site is presented in Table 46.

The user information report for Centennial Park, Blue Island Park District, Blue Island, Illinois, is presented in Table 47, and the analysis of composited biosolids delivered to that site is presented in Table 48.

The user information report for Coyote Run Golf Course, Flossmoor, Illinois, is presented in Table 49, and the analysis of composited biosolids delivered to that site is presented in Table 50.

The user information report for soccer fields at Lombard Park District, Lombard, Illinois, is presented in Table 51, and the analysis of composited biosolids delivered to that site is presented in Table 52.

The user information report for Ty Warner Park, Westmont Park District, Westmont, Illinois, is presented in Table 53, and the analysis of composited biosolids delivered to that site is presented in Table 54.

The user information report for Land of Lincoln Tree Nursery, Oregon, Illinois, is presented in Table 55, and the analysis of composited biosolids delivered to that site is presented in Table 56.

Very truly yours,

Louis Kollias  
Director  
Research and Development

LK:TCG:AC:KK:kq

Attachments

cc w/att.: Aistars (USEPA)

Sulski (IEPA)

Sobanski

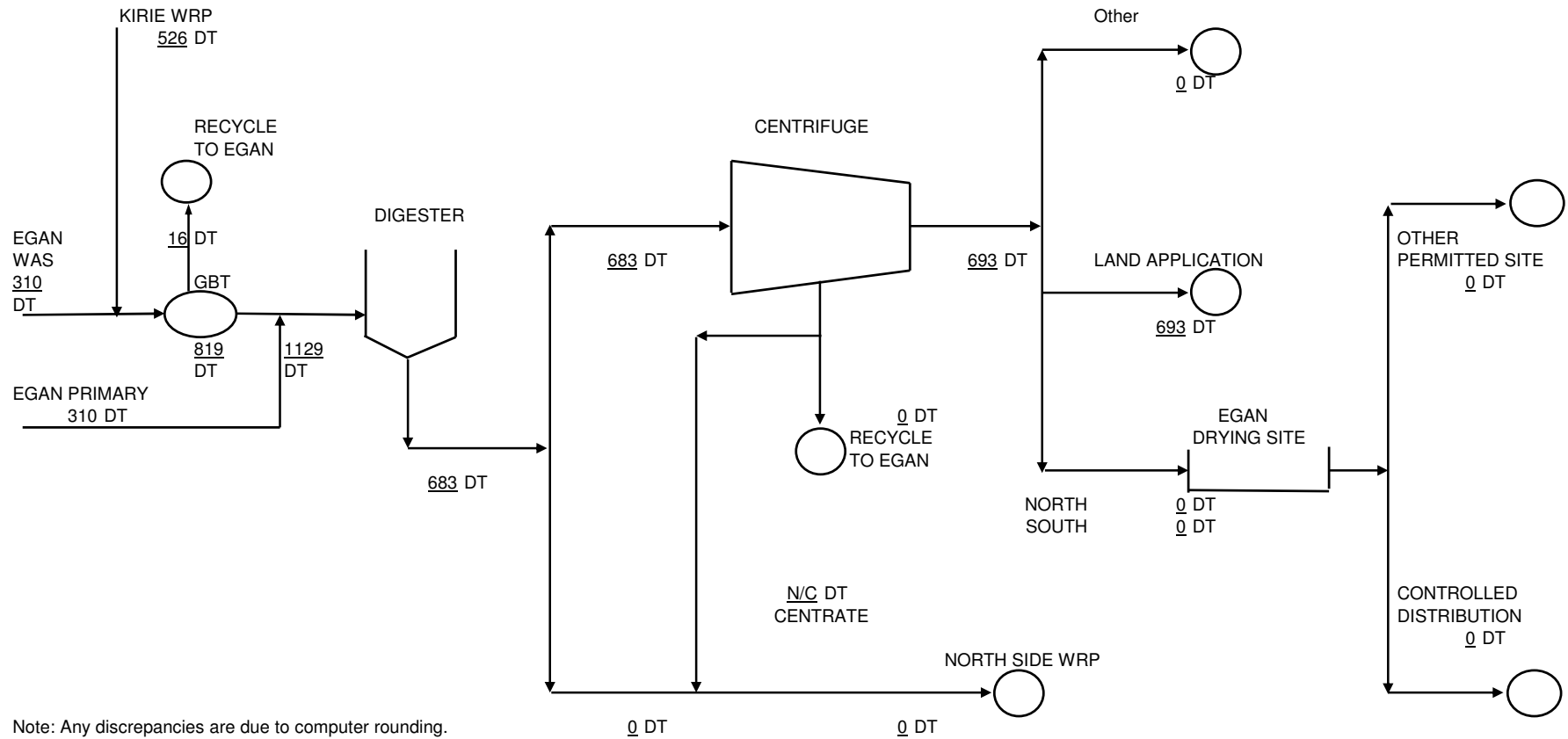
Granato/O'Connor/Cox

cc wo/att: Garelli/Conway/Sharma

Ford/Frost/Collins

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

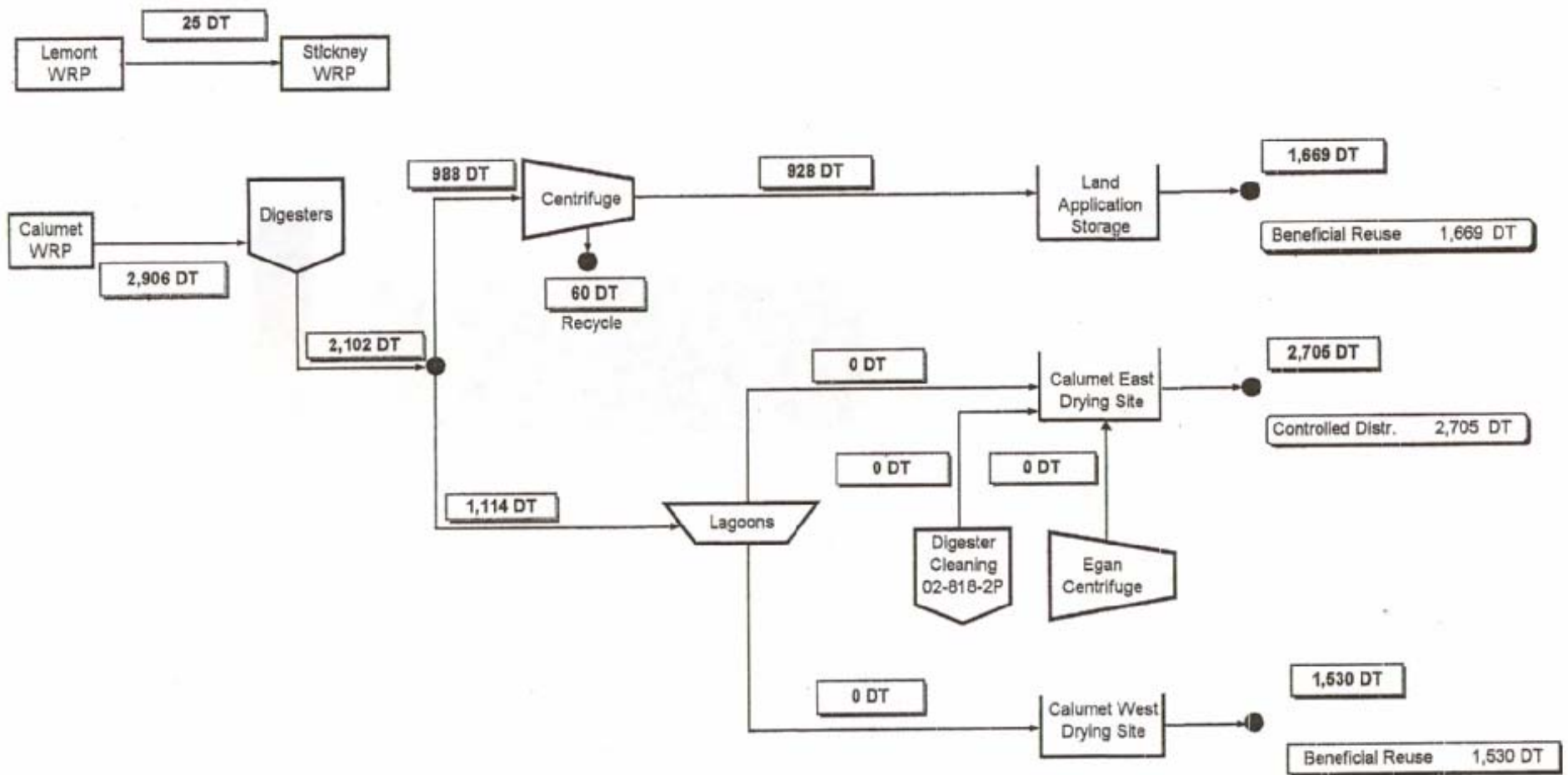
November-07



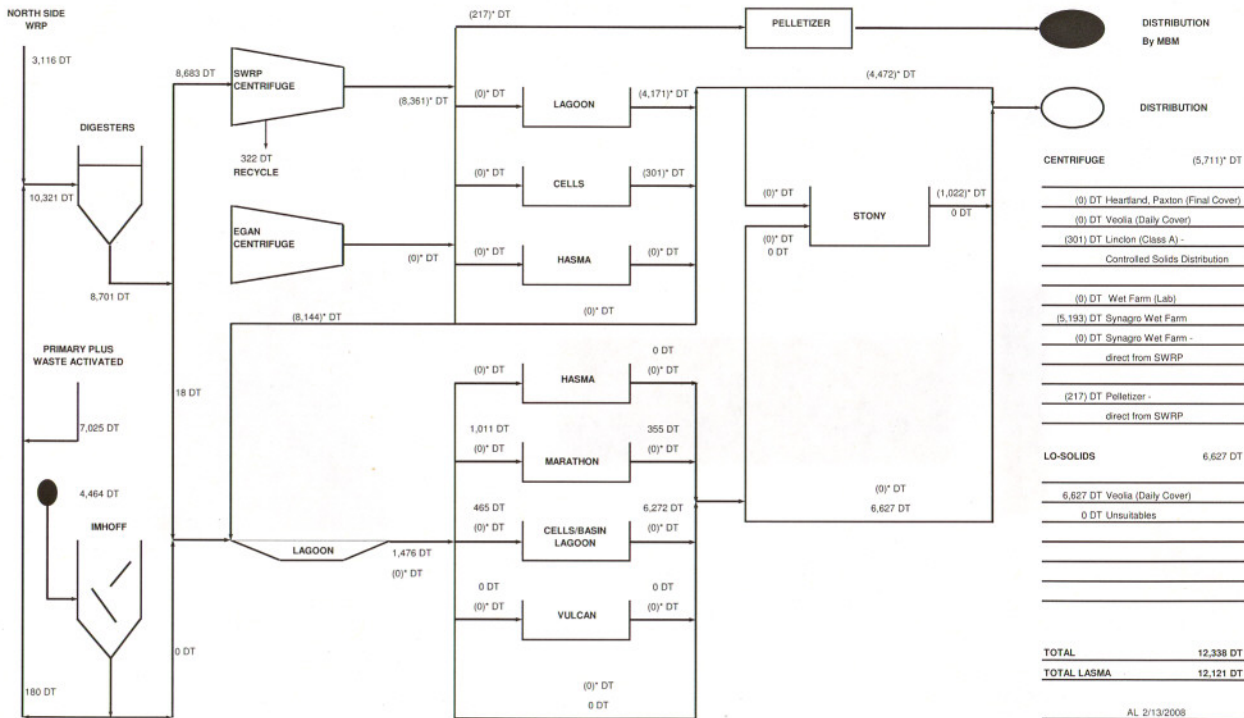
Note: Any discrepancies are due to computer rounding.  
Centrifuge draw DT exceeds Centrifuge feed DT by 10 DT because of sample anomalies. Centrate DT are estimated to be approximately 43 DT.

# CALUMET WRP SOLIDS DISTRIBUTION - November 2007

Figure 2



# STICKNEY WATER RECLAMATION PLANT SOLIDS DISTRIBUTION FOR NOVEMBER 2007



(CENTRIFUGE CAKE)\*



TABLE 1: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Park District of Franklin Park
2.	Address of User:	2952 Birch St. Franklin Park, IL 60131
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	14.31 dry tons
	Cumulative Quantity Received in 2007:	133.75 dry tons
5.	Date Biosolids Received:	November 1, 2007
6.	Use of Biosolids at Site:	Used as soil conditioner and nutrient source for turf at newly constructed park at Birch Park, Franklin Park.
7.	Size of Application Area:	1 acre
8.	Application Rate:	14.31 dry tons/acre

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TABLE 2: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
 BIRCH PARK, FRANKLIN PARK, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.9
Total Solids	%	69.9
Total Volatile Solids	"	21.5
Volatile Acids as Acetic Acid	mg/dry kg	11
Total Kjeldahl-N	"	9,161
NH <sub>3</sub> -N	"	28
Total P	"	15,526
K	"	4,112
Cd	"	4.8
Cr	"	99
Cu	"	291
Pb	"	110
Hg	"	0.81
Mo	"	10.7
As	"	10.4
Mn	"	826
Ni	"	35.1
Se	"	2.8
Zn	"	694

\*Results based on one sample.

TABLE 3: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Plainfield Community Consolidated School District 202
2.	Address of User:	14812 S. Eastern Ave. Plainfield, IL 60544
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	86.34 dry tons
	Cumulative Quantity Received in 2007:	173.04 dry tons
5.	Date Biosolids Received:	November 1, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on athletic fields at Plainfield Central High School, Plainfield.
7.	Size of Application Area:	13 acres
8.	Application Rate:	6.64 dry tons/acre

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TABLE 4: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO ATHLETIC FIELDS  
 AT PLAINFIELD CENTRAL HIGH SCHOOL, PLAINFIELD, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.9
Total Solids	%	69.9
Total Volatile Solids	"	21.5
Volatile Acids as Acetic Acid	mg/dry kg	11
Total Kjeldahl-N	"	9,161
NH <sub>3</sub> -N	"	28
Total P	"	15,526
K	"	4,112
Cd	"	4.8
Cr	"	99
Cu	"	291
Pb	"	110
Hg	"	0.81
Mo	"	10.7
As	"	10.4
Mn	"	826
Ni	"	35.1
Se	"	2.8
Zn	"	694

\*Results based on one sample.

TABLE 5: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Burbank Park District
2.	Address of User:	8050 S. New Castle Burbank, IL 60459
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	46.28 dry tons
	Cumulative Quantity Received in 2007:	46.28 dry tons
5.	Date Biosolids Received:	November 2, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on baseball field at 8400 S. Nashville, Ave., Burbank.
7.	Size of Application Area:	2 acres
8.	Application Rate:	23.14 dry tons/acre

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TABLE 6: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO BASEBALL FIELD  
 AT 8400 S. NASHVILLE AVE., BURBANK, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.9
Total Solids	%	69.9
Total Volatile Solids	"	21.5
Volatile Acids as Acetic Acid	mg/dry kg	11
Total Kjeldahl-N	"	9,161
NH <sub>3</sub> -N	"	28
Total P	"	15,526
K	"	4,112
Cd	"	4.8
Cr	"	99
Cu	"	291
Pb	"	110
Hg	"	0.81
Mo	"	10.7
As	"	10.4
Mn	"	826
Ni	"	35.1
Se	"	2.8
Zn	"	694

\*Results based on one sample.

TABLE 7: CONTROLLED SOILS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Elmhurst Park District
2.	Address of User:	225 Prospect Ave. Elmhurst, IL 60126
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	129.71 dry tons
	Cumulative Quantity Received in 2007:	129.71 dry tons
5.	Date Biosolids Received:	November 2, 13, 14, and 16, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf at Berens and Plunkett Parks, Elmhurst.
7.	Size of Application Area:	13 acres
8.	Application Rate:	9.98 dry tons/acre

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TABLE 8: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
BERENS AND PLUNKETT PARKS, ELMHURST, IL  
FROM THE CALUMET EAST DRYING AREA  
DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	68.1
Total Volatile Solids	"	29.5
Volatile Acids as Acetic Acid	mg/dry kg	11
Total Kjeldahl-N	"	12,315
NH <sub>3</sub> -N	"	22
Total P	"	19,774
K	"	5,301
Cd	"	5.3
Cr	"	113
Cu	"	350
Pb	"	116
Hg	"	1.00
Mo	"	12.8
As	"	9.9
Mn	"	1,053
Ni	"	36.8
Se	"	3.6
Zn	"	808

\*Results based on two samples.



TABLE 9: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Homer Athletic Club
2.	Address of User:	14350 W. 151 <sup>st</sup> St. Homer Glen, IL 60491
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	221.30 dry tons
	Cumulative Quantity Received in 2007:	221.30 dry tons
5.	Date Biosolids Received:	November 2, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on baseball fields at Homer Athletic Center, Homer Glen.
7.	Size of Application Area:	7 acres
8.	Application Rate:	31.61 dry tons/acre

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TABLE 10: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO BASEBALL FIELDS  
 AT HOMER ATHLETIC CENTER, HOMER GLEN, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	69.1
Total Volatile Solids	"	27.3
Volatile Acids as Acetic Acid	mg/dry kg	10.1
Total Kjeldahl-N	"	11,454
NH <sub>3</sub> -N	"	23
Total P	"	19,708
K	"	5,166
Cd	"	5.7
Cr	"	121
Cu	"	326
Pb	"	122
Hg	"	1.02
Mo	"	11.9
As	"	9.8
Mn	"	1,022
Ni	"	35.7
Se	"	3.4
Zn	"	744

\*Results based on one sample.

TABLE 11: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Reavis High School
2.	Address of User:	6034 W. 77 <sup>th</sup> St. Burbank, IL 60459
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	142.96 dry tons
	Cumulative Quantity Received in 2007:	142.96 dry tons
5.	Date Biosolids Received:	November 2, and 13, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on soccer fields at Reavis High School, Burbank.
7.	Size of Application Area:	8 acres
8.	Application Rate:	17.87 dry tons/acre

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TABLE 12: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
 SOCCER FIELDS AT REAVIS HIGH SCHOOL, BURBANK, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	68.1
Total Volatile Solids	"	29.5
Volatile Acids as Acetic Acid	mg/dry kg	11
Total Kjeldahl-N	"	12,315
NH <sub>3</sub> -N	"	22
Total P	"	19,774
K	"	5,301
Cd	"	5.3
Cr	"	113
Cu	"	350
Pb	"	116
Hg	"	1.00
Mo	"	12.8
As	"	9.9
Mn	"	1,053
Ni	"	36.8
Se	"	3.6
Zn	"	808

\*Results based on two samples.

TABLE 13: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	St. Charles Park District
2.	Address of User:	845 N. Second Ave. St. Charles, IL 60174
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	283.31 dry tons
	Cumulative Quantity Received in 2007:	283.31 dry tons
5.	Date Biosolids Received:	November 6, and 7, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing on fairways and roughs at Pottawatomie Golf Course, St. Charles.
7.	Size of Application Area:	20 acres
8.	Application Rate:	14.17 dry tons/acre

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TABLE 14: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
 POTAWATOMIE GOLF COURSE, ST. CHARLES, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	71.6
Total Volatile Solids	"	30.9
Volatile Acids as Acetic Acid	mg/dry kg	11.2
Total Kjeldahl-N	"	14,328
NH <sub>3</sub> -N	"	38
Total P	"	20,901
K	"	5,602
Cd	"	4.7
Cr	"	107
Cu	"	356
Pb	"	106
Hg	"	1.16
Mo	"	13.3
As	"	9.7
Mn	"	475
Ni	"	37.1
Se	"	3.3
Zn	"	815

\*Results based on two samples.

TABLE 15: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Bremen High School
2.	Address of User:	15203 S. Pulaski Ave. Midlothian, IL 60445
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	21.23 dry tons
	Cumulative Quantity Received in 2007:	21.23 dry tons
5.	Date Biosolids Received:	November 7, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on athletic fields at Bremen High School, Midlothian.
7.	Size of Application Area:	5 acres
8.	Application Rate:	4.25 dry tons/acre

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TABLE 16: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
ATHLETIC FIELDS AT BREMEN HIGH SCHOOL, MIDLOTHIAN, IL  
FROM THE CALUMET EAST DRYING AREA  
DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	67.1
Total Volatile Solids	"	31.8
Volatile Acids as Acetic Acid	mg/dry kg	12
Total Kjeldahl-N	"	13,176
NH <sub>3</sub> -N	"	22
Total P	"	19,841
K	"	5,436
Cd	"	4.9
Cr	"	106
Cu	"	373
Pb	"	110
Hg	"	0.97
Mo	"	13.7
As	"	10.0
Mn	"	1,085
Ni	"	38.0
Se	"	3.7
Zn	"	843

\*Results based on one sample.



TABLE 17: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Hickory Hills Baseball Club
2.	Address of User:	7906 W. 97 <sup>th</sup> Pl. Hickory Hills, IL 60457
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	20.67 dry tons
	Cumulative Quantity Received in 2007:	20.67 dry tons
5.	Date Biosolids Received:	November 7, 2007
6.	Use of Biosolids at Site:	Used as soil conditioner and nutrient source for turf on baseball field at Hickory Hills Baseball Club, Hickory Hills.
7.	Size of Application Area:	1 acre
8.	Application Rate:	20.67 dry tons/acre

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TABLE 18: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
 BASEBALL FIELDS AT HICKORY HILLS BASEBALL CLUB, HICKORY HILLS, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	76.0
Total Volatile Solids	"	29.9
Volatile Acids as Acetic Acid	mg/dry kg	11
Total Kjeldahl-N	"	15,479
NH <sub>3</sub> -N	"	54
Total P	"	21,962
K	"	5,768
Cd	"	4.5
Cr	"	107
Cu	"	339
Pb	"	102
Hg	"	1.35
Mo	"	12.9
As	"	9.4
Mn	"	1,012
Ni	"	36.1
Se	"	3.0
Zn	"	787

\*Results based on one sample.

TABLE 19: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Midlothian Park District
2.	Address of User:	14500 S. Kostner Ave. Midlothian, IL 60445
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	279.26 dry tons
	Cumulative Quantity Received in 2007:	279.26 dry tons
5.	Date Biosolids Received:	November 7, 8, and 9, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf at Memorial Park, Midlothian.
7.	Size of Application Area:	8 acres
8.	Application Rate:	34.91 dry tons/acre

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TABLE 20: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
MEMORIAL PARK, MIDLOTHIAN, IL  
FROM THE CALUMET EAST DRYING AREA  
DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	71.6
Total Volatile Solids	"	30.9
Volatile Acids as Acetic Acid	mg/dry kg	11
Total Kjeldahl-N	"	14,328
NH <sub>3</sub> -N	"	38
Total P	"	20,901
K	"	5,602
Cd	"	4.7
Cr	"	107
Cu	"	356
Pb	"	106
Hg	"	1.16
Mo	"	13.3
As	"	9.7
Mn	"	1,049
Ni	"	37.1
Se	"	3.3
Zn	"	815

\*Results based on two samples.

TABLE 21: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Plainfield Community Consolidated School District 202
2.	Address of User:	14812 S. Eastern Ave. Plainfield, IL 60544
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	101.29 dry tons
	Cumulative Quantity Received in 2007:	101.29 dry tons
5.	Date Biosolids Received:	November 7, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on athletic field at Plainfield North High School, Plainfield.
7.	Size of Application Area:	14 acres
8.	Application Rate:	7.24 dry tons/acre

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TABLE 22: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO ATHLETIC FIELD  
 AT PLAINFIELD NORTH HIGH SCHOOL, PLAINFIELD, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	71.6
Total Volatile Solids	"	30.9
Volatile Acids as Acetic Acid	mg/dry kg	11
Total Kjeldahl-N	"	14,328
NH <sub>3</sub> -N	"	38
Total P	"	20,901
K	"	5,602
Cd	"	4.7
Cr	"	107
Cu	"	356
Pb	"	106
Hg	"	1.16
Mo	"	13.3
As	"	9.7
Mn	"	1,049
Ni	"	37.1
Se	"	3.3
Zn	"	815

\*Results based on two samples.

TABLE 23: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Burbank Park District
2.	Address of User:	8050 S. Newcastle Ave. Burbank, IL 60459
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	42.57 dry tons
	Cumulative Quantity Received in 2007:	42.57 dry tons
5.	Date Biosolids Received:	November 8, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on soccer fields at 84 <sup>th</sup> and Nashville Ave., Burbank.
7.	Size of Application Area:	2 acres
8.	Application Rate:	21.28 dry tons/acre

---

TABLE 24: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO SOCCER FIELDS  
 AT 84<sup>TH</sup> ST. AND NASHVILLE AVE., BURBANK, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	67.1
Total Volatile Solids	"	31.8
Volatile Acids as Acetic Acid	mg/dry kg	12
Total Kjeldahl-N	"	13,176
NH <sub>3</sub> -N	"	22
Total P	"	19,841
K	"	5,436
Cd	"	4.9
Cr	"	106
Cu	"	373
Pb	"	110
Hg	"	0.97
Mo	"	13.7
As	"	10.0
Mn	"	1,085
Ni	"	38.0
Se	"	3.7
Zn	"	843

\*Results based on one sample.



TABLE 25: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Burbank Park District
2.	Address of User:	8050 S. Newcastle Ave. Burbank, IL 60459
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	26.33 dry tons
	Cumulative Quantity Received in 2007:	26.33 dry tons
5.	Date Biosolids Received:	November 8, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on athletic fields at McArthur Park, Burbank.
7.	Size of Application Area:	2 acres
8.	13.16	13.16 dry tons/acre

---

TABLE 26: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO ATHLETIC FIELDS  
 AT MC ARTHUR PARK, BURBANK, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	67.1
Total Volatile Solids	"	31.8
Volatile Acids as Acetic Acid	mg/dry kg	12
Total Kjeldahl-N	"	13,176
NH <sub>3</sub> -N	"	22
Total P	"	19,841
K	"	5,436
Cd	"	4.9
Cr	"	106
Cu	"	373
Pb	"	110
Hg	"	0.97
Mo	"	13.7
As	"	10.0
Mn	"	1,085
Ni	"	38.0
Se	"	3.7
Zn	"	843

\*Results based on one sample.

TABLE 27: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Saint Xavier University
2.	Address of User:	3700 W. 103 <sup>rd</sup> St. Chicago, IL 60655
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	70.32 dry tons
	Cumulative Quantity Received in 2007:	70.32 dry tons
5.	Date Biosolids Received:	November 9, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on football field at Saint Xavier University, Chicago.
7.	Size of Application Area:	2 acres
8.	Application Rate:	35.16 dry tons/acre

---

TABLE 28: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO FOOTBALL FIELD  
 AT SAINT XAVIER UNIVERSITY, CHICAGO, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	67.1
Total Volatile Solids	"	31.8
Volatile Acids as Acetic Acid	mg/dry kg	12
Total Kjeldahl-N	"	13,176
NH <sub>3</sub> -N	"	22
Total P	"	19,841
K	"	5,436
Cd	"	4.9
Cr	"	106
Cu	"	373
Pb	"	110
Hg	"	0.97
Mo	"	13.7
As	"	10.0
Mn	"	1,085
Ni	"	38.0
Se	"	3.7
Zn	"	843

\*Results based on one sample.

TABLE 29: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Frankfort Square Park District
2.	Address of User:	7540 W. Raemar Ln. Frankfort, IL 60423
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	69.76 dry tons
	Cumulative Quantity Received in 2007:	69.76 dry tons
5.	Date Biosolids Received:	November 13, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on soccer fields at Hilder Walker and Union Creek Parks, Frankfort.
7.	Size of Application Area:	5 acres
8.	Application Rate:	13.95 dry tons/acre

---

TABLE 30: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO SOCCER FIELDS  
 AT HILDER WALKER AND UNION CREEK PARKS, FRANKFORT, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	67.1
Total Volatile Solids	"	31.8
Volatile Acids as Acetic Acid	mg/dry kg	12
Total Kjeldahl-N	"	13,176
NH <sub>3</sub> -N	"	22
Total P	"	19,841
K	"	5,436
Cd	"	4.9
Cr	"	106
Cu	"	373
Pb	"	110
Hg	"	0.97
Mo	"	13.7
As	"	10.0
Mn	"	1,085
Ni	"	38.0
Se	"	3.7
Zn	"	843

\*Results based on one sample.

TABLE 31: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Summit Park District
2.	Address of User:	5700 S. Archer Ave. Summit, IL 60501
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	307.66 dry tons
	Cumulative Quantity Received in 2007:	464.86 dry tons
5.	Date Biosolids Received:	November 13, 14, and 19, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing on athletic fields at Main Park, Summit.
7.	Size of Application Area:	12 acres
8.	Application Rate:	25.64 dry tons/acre

---

TABLE 32: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO ATHLETIC FIELDS  
 AT MAIN PARK, SUMMIT, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.6
Total Solids	%	68.2
Total Volatile Solids	"	33.5
Volatile Acids as Acetic Acid	mg/dry kg	21
Total Kjeldahl-N	"	11,050
NH <sub>3</sub> -N	"	33
Total P	"	15,318
K	"	6,265
Cd	"	4.4
Cr	"	106
Cu	"	369
Pb	"	103
Hg	"	0.96
Mo	"	14.1
As	"	12.4
Mn	"	1,004
Ni	"	38.6
Se	"	2.7
Zn	"	807

\*Results based on two samples.



TABLE 33: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Bensenville Park District
2.	Address of User:	500 W. Jefferson St. Bensenville, IL 60106
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	43.19 dry tons
	Cumulative Quantity Received in 2007:	102.09 dry tons
5.	Date Biosolids Received:	November 13, and 14, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf at White Pines Golf Club, Bensenville Park District, Bensenville.
7.	Size of Application Area:	3 acres
8.	Application Rate:	14.40 dry tons/acre

---

TABLE 34: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
 WHITE PINES GOLF CLUB, BENSENVILLE, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.6
Total Solids	%	67.3
Total Volatile Solids	"	35.9
Volatile Acids as Acetic Acid	mg/dry kg	25
Total Kjeldahl-N	"	11,317
NH <sub>3</sub> -N	"	42
Total P	"	15,270
K	"	5,854
Cd	"	4.8
Cr	"	115
Cu	"	425
Pb	"	115
Hg	"	1.07
Mo	"	14.0
As	"	12.5
Mn	"	1,062
Ni	"	39.2
Se	"	2.3
Zn	"	886

\*Results based on one sample.

TABLE 35: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Glenwoodie Golf Course
2.	Address of User:	19301 State St. Glenwood, IL 60425
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	13.60 dry tons
	Cumulative Quantity Received in 2007:	13.60 dry tons
5.	Date Biosolids Received:	November 14, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on roughs at Glenwoodie Golf Course, Glenwood.
7.	Size of Application Area:	2 acres
8.	Application Rate:	6.80 dry tons/acre

---

TABLE 36: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
 GLENWOODIE GOLF COURSE, GLENWOOD, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.6
Total Solids	%	67.3
Total Volatile Solids	"	35.9
Volatile Acids as Acetic Acid	mg/dry kg	25
Total Kjeldahl-N	"	11,317
NH <sub>3</sub> -N	"	42
Total P	"	15,270
K	"	5,854
Cd	"	4.8
Cr	"	115
Cu	"	425
Pb	"	115
Hg	"	1.07
Mo	"	14.0
As	"	12.5
Mn	"	1,062
Ni	"	39.2
Se	"	2.3
Zn	"	886

\*Results based on one sample.

TABLE 37: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Tinley Park High School
2.	Address of User:	6111 W. 175 <sup>th</sup> St. Tinley Park, IL 60477
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	83.91 dry tons
	Cumulative Quantity Received in 2007:	83.91 dry tons
5.	Date Biosolids Received:	November 14, and 19, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on soccer and football fields at Tinley Park High School, Tinley Park.
7.	Size of Application Area:	12 acres
8.	Application Rate:	6.99 dry tons/acre

---

TABLE 38: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
 SOCCER AND FOOTBALL FIELDS  
 AT TINLEY PARK HIGH SCHOOL, TINLEY PARK, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.7
Total Solids	%	70.2
Total Volatile Solids	"	32.0
Volatile Acids as Acetic Acid	mg/dry kg	21
Total Kjeldahl-N	"	10,303
NH <sub>3</sub> -N	"	15
Total P	"	16,242
K	"	5,321
Cd	"	4.3
Cr	"	107
Cu	"	369
Pb	"	104
Hg	"	1.09
Mo	"	13.1
As	"	11.6
Mn	"	1,010
Ni	"	40.6
Se	"	1.6
Zn	"	783

\*Results based on two samples.

TABLE 39: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Chicago Park District
2.	Address of User:	541 N. Fairbanks Ave. Chicago, IL 60611
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	426.41 dry tons
	Cumulative Quantity Received in 2007:	426.41 dry tons
5.	Date Biosolids Received:	November 15, 16, and 19, 2007
6.	Use of Biosolids at Site:	Used as soil conditioner for vegetation at Chicago Shoreline 40 <sup>th</sup> to 41 <sup>st</sup> Street Park, Chicago.
7.	Size of Application Area:	10 acres
8.	Application Rate:	42.64 dry tons/acre

---

TABLE 40: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
 LAND ALONG CHICAGO SHORELINE  
 40<sup>TH</sup> TO 41<sup>ST</sup> STREET PARK, CHICAGO, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.7
Total Solids	%	69.1
Total Volatile Solids	"	31.2
Volatile Acids as Acetic Acid	mg/dry kg	17
Total Kjeldahl-N	"	10,784
NH <sub>3</sub> -N	"	23
Total P	"	15,367
K	"	6,676
Cd	"	3.9
Cr	"	97
Cu	"	312
Pb	"	91
Hg	"	0.85
Mo	"	14.1
As	"	12.3
Mn	"	945
Ni	"	38.0
Se	"	3.2
Zn	"	728

\*Results based on one sample.



TABLE 41: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Frankfort Park District
2.	Address of User:	140 Oak St. Frankfort, IL 60423
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	29.69 dry tons
	Cumulative Quantity Received in 2007:	29.69 dry tons
5.	Date Biosolids Received:	November 15, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on soccer fields at 400 W. Nebraska Ave., Frankfort.
7.	Size of Application Area:	3 acres
8.	Application Rate:	9.90 dry tons/acre

---

TABLE 42: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO SOCCER FIELDS  
 AT 400 W. NEBRASKA AVE., FRANKFORT, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.6
Total Solids	%	67.3
Total Volatile Solids	"	35.9
Volatile Acids as Acetic Acid	mg/dry kg	25
Total Kjeldahl-N	"	11,317
NH <sub>3</sub> -N	"	42
Total P	"	15,270
K	"	5,854
Cd	"	4.8
Cr	"	115
Cu	"	425
Pb	"	115
Hg	"	1.07
Mo	"	14.0
As	"	12.5
Mn	"	1,062
Ni	"	39.2
Se	"	2.3
Zn	"	886

\*Results based on one sample.

TABLE 43: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Plainfield Community Consolidated School District 202
2.	Address of User:	14812 S. Eastern Ave. Plainfield, IL 60544
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	74.94 dry tons
	Cumulative Quantity Received in 2007:	74.94 dry tons
5.	Date Biosolids Received:	November 15, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on recreational fields at Lincoln Elementary School, Plainfield.
7.	Size of Application Area:	8 acres
8.	Application Rate:	9.37 dry tons/acre

---

TABLE 44: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
RECREATIONAL FIELDS AT LINCOLN ELEMENTARY SCHOOL, PLAINFIELD, IL  
FROM THE CALUMET EAST DRYING AREA  
DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.6
Total Solids	%	67.3
Total Volatile Solids	"	35.9
Volatile Acids as Acetic Acid	mg/dry kg	25
Total Kjeldahl-N	"	11,317
NH <sub>3</sub> -N	"	42
Total P	"	15,270
K	"	5,854
Cd	"	4.8
Cr	"	115
Cu	"	425
Pb	"	115
Hg	"	1.07
Mo	"	14.0
As	"	12.5
Mn	"	1,062
Ni	"	39.2
Se	"	2.3
Zn	"	886

\*Results based on one sample.

TABLE 45: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Blue Island Park District
2.	Address of User:	12804 S. Highland Ave. Blue Island, IL 60406
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	29.37 dry tons
	Cumulative Quantity Received in 2007:	29.37 dry tons
5.	Date Biosolids Received:	November 16, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on soccer fields at 12804 S. Highland Ave., Blue Island Park District, Blue Island.
7.	Size of Application Area:	2 acres
8.	Application Rate:	14.68 dry tons/acre

---

TABLE 46: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO SOCCER FIELDS  
 AT BLUE ISLAND PARK DISTRICT, BLUE ISLAND, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.7
Total Solids	%	69.1
Total Volatile Solids	"	31.2
Volatile Acids as Acetic Acid	mg/dry kg	17
Total Kjeldahl-N	"	10,784
NH <sub>3</sub> -N	"	23
Total P	"	15,367
K	"	6,676
Cd	"	3.9
Cr	"	97
Cu	"	312
Pb	"	91
Hg	"	0.85
Mo	"	14.1
As	"	12.3
Mn	"	945
Ni	"	38.0
Se	"	3.2
Zn	"	728

\*Results based on one sample.

TABLE 47: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Blue Island Park District
2.	Address of User:	12804 S. Highland Ave. Blue Island, IL 60406
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	32.07 dry tons
	Cumulative Quantity Received in 2007:	32.07 dry tons
5.	Date Biosolids Received:	November 16, and 19, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on athletic fields at Centennial Park, Blue Island.
7.	Size of Application Area:	2.5 acres
8.	Application Rate:	12.82 dry tons/acre

---

TABLE 48: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO ATHLETIC FIELDS  
 AT CENTENNIAL PARK, BLUE ISLAND, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.7
Total Solids	%	71.1
Total Volatile Solids	"	29.6
Volatile Acids as Acetic Acid	mg/dry kg	17
Total Kjeldahl-N	"	10,036
NH <sub>3</sub> -N	"	27
Total P	"	16,291
K	"	5,732
Cd	"	3.8
Cr	"	98
Cu	"	313
Pb	"	92
Hg	"	0.98
Mo	"	13.2
As	"	11.5
Mn	"	952
Ni	"	40.0
Se	"	2.1
Zn	"	704

\*Results based on two samples.



TABLE 49: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Coyote Run Golf Course
2.	Address of User:	720 S. Kedzie Ave. Flossmoor, IL 60422
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	33.56 dry tons
	Cumulative Quantity Received in 2007:	231.9 dry tons
5.	Date Biosolids Received:	November 19, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on golf course roughs at Coyote Run Golf Course, Flossmoor.
7.	Size of Application Area:	3 acres
8.	Application Rate:	11.19 dry tons/acre

---

TABLE 50: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO  
 COYOTE RUN GOLF COURSE, FLOSSMOOR, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.7
Total Solids	%	73.1
Total Volatile Solids	"	28.0
Volatile Acids as Acetic Acid	mg/dry kg	23
Total Kjeldahl-N	"	9,288
NH <sub>3</sub> -N	"	31
Total P	"	17,214
K	"	4,788
Cd	"	3.8
Cr	"	99
Cu	"	313
Pb	"	93
Hg	"	1.11
Mo	"	12.2
As	"	10.7
Mn	"	958
Ni	"	42.1
Se	"	1.0
Zn	"	679

\*Results based on one sample.

TABLE 51: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Lombard Park District
2.	Address of User:	227 W. Parkside Ave. Lombard, IL 60148
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	32.31 dry tons
	Cumulative Quantity Received in 2007:	32.31 dry tons
5.	Date Biosolids Received:	November 20, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf on soccer fields at Lombard Park District, Lombard.
7.	Size of Application Area:	2 acres
8.	Application Rate:	16.16 dry tons/acre

---

TABLE 52: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO SOCCER FIELDS  
 AT LOMBARD PARK DISTRICT, LOMBARD, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.7
Total Solids	%	73.1
Total Volatile Solids	"	28.0
Volatile Acids as Acetic Acid	mg/dry kg	23
Total Kjeldahl-N	"	9,288
NH <sub>3</sub> -N	"	31
Total P	"	17,214
K	"	4,788
Cd	"	3.8
Cr	"	99
Cu	"	313
Pb	"	93
Hg	"	1.11
Mo	"	12.2
As	"	10.7
Mn	"	958
Ni	"	42.1
Se	"	1.0
Zn	"	679

\*Results based on one sample.

TABLE 53: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1.	Name of User:	Westmont Park District
2.	Address of User:	55 E. Richmond St. Westmont, IL 60559
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Calumet East solids drying area.
4.	Quantity Received (November 2007):	42.72 dry tons
	Cumulative Quantity Received in 2007:	42.72 dry tons
5.	Date Biosolids Received:	November 14, 2007
6.	Use of Biosolids at Site:	Used as fertilizer top dressing for turf at Ty Warner Park, Westmont.
7.	Size of Application Area:	2 acres
8.	Application Rate:	21.36 dry tons/acre

---

TABLE 54: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO LAND AT  
 TY WARNER PARK, WESTMONT, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

Constituent	Units	Concentration
pH		6.8
Total Solids	%	67.1
Total Volatile Solids	"	31.8
Volatile Acids as Acetic Acid	mg/dry kg	12
Total Kjeldahl-N	"	13,176
NH <sub>3</sub> -N	"	22
Total P	"	19,841
K	"	5,436
Cd	"	4.9
Cr	"	106
Cu	"	373
Pb	"	110
Hg	"	0.97
Mo	"	13.7
As	"	10.0
Mn	"	1,085
Ni	"	38.0
Se	"	3.7
Zn	"	843

\*Results based on one sample.

TABLE 55: CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1.	Name of User:	Land of Lincoln Tree Nursery
2.	Address of User:	2107 River Rd. Oregon, IL 61061
3.	Type of Solids and Source:	Agitation dried lagooned anaerobically digested biosolids from the Calumet WRP. Drying was done at the Lawndale Avenue and Marathon Solids drying areas.
4.	Quantity Received (November 2007):	301 dry tons
	Cumulative Quantity Received in 2007:	1,040 dry tons
5.	Date Biosolids Received:	November 7, and 8, 2007
6.	Use of Biosolids at Site:	Used as soil conditioner for reclamation of nutrient-deficient land on tree nursery.
7.	Size of Application Area:	30 acres
8.	Application Rate:	10.03 dry tons/acre

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TABLE 56: ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO NURSERY FARM  
 AT LAND OF LINCOLN TREE NURSERY, OREGON, IL  
 FROM THE CALUMET EAST DRYING AREA  
 DURING NOVEMBER 2007

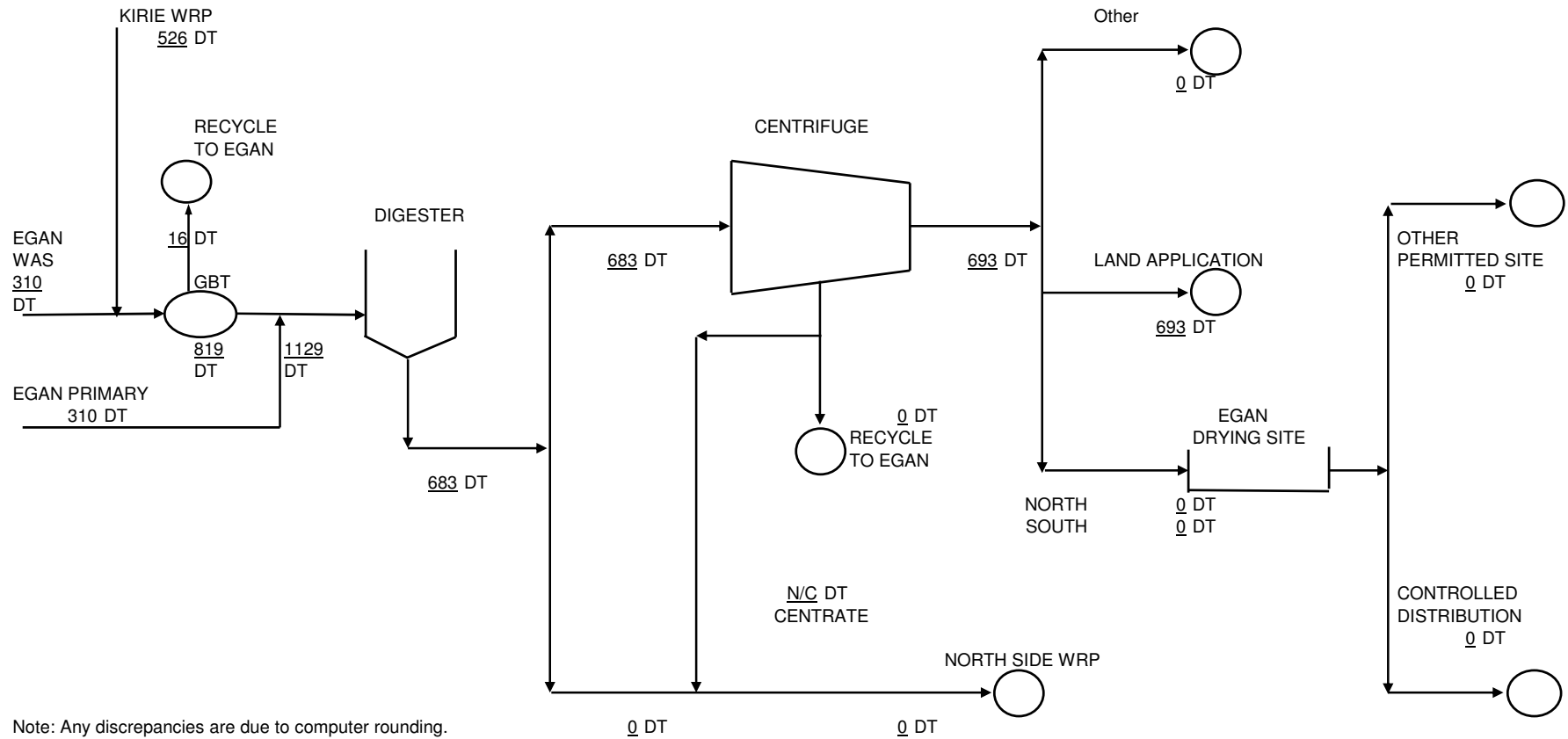
Constituent	Units	Concentration
pH		7.5
Total Solids	%	62.3
Total Volatile Solids	"	35.9
Volatile Acids as Acetic Acid	mg/dry kg	1,015
Total Kjeldahl-N	"	22,055
NH <sub>3</sub> -N	"	3,957
Total P	"	25,918
K	"	7,182
Cd	"	5.5
Cr	"	279
Cu	"	432
Pb	"	139
Hg	"	0.85
Mo	"	14.9
As	"	<0.02
Mn	"	654
Ni	"	53.1
Se	"	<0.02
Zn	"	965

\*Results based on one sample.



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

November-07



Note: Any discrepancies are due to computer rounding.  
Centrifuge draw DT exceeds Centrifuge feed DT by 10 DT because of sample anomalies. Centrate DT are estimated to be approximately 43 DT.

CALUMET WRP SOLIDS DISTRIBUTION - November 2007

Figure 2

