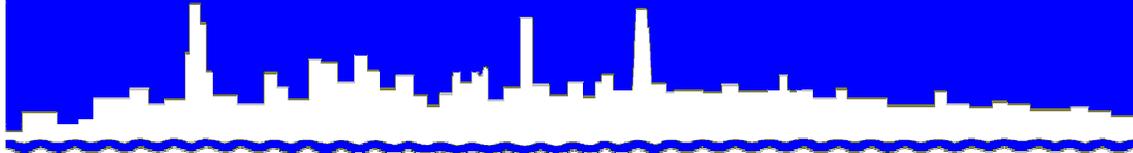


*Protecting Our Water Environment*



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

***RESEARCH AND DEVELOPMENT  
DEPARTMENT***

***REPORT NO. 06-2***

***CONTROLLED SOLIDS DISTRIBUTION PROGRAM***

***NOVEMBER 2005***

***JANUARY 2006***

January 25, 2006

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 2005

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

Flow schematic diagrams for solids processed during November 2005 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 three sites in November 2005. The user information report for the Cinder Ridge Golf Course is presented in Table 1, and the analysis of composited biosolids delivered in November to that site is presented in Table 2.

The user information report for the Chalet Hills Golf Course is presented in Table 3, and the analysis of composited biosolids delivered in November to that site is presented in Table 4.

Mr. S. Alan Keller

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January 25, 2006

Subject: Metropolitan Water Reclamation District of Greater Chicago – Controlled Solids Distribution Program IEPA Permit No. 2005-SC-3793, November 2005

The user information report for the Oak Brook Park District is presented in Table 5, and the analysis of composited biosolids delivered in November to that site is presented in Table 6.

Very truly yours,

Richard Lanyon  
Director  
Research and Development

RL:GT:spy

Attachments

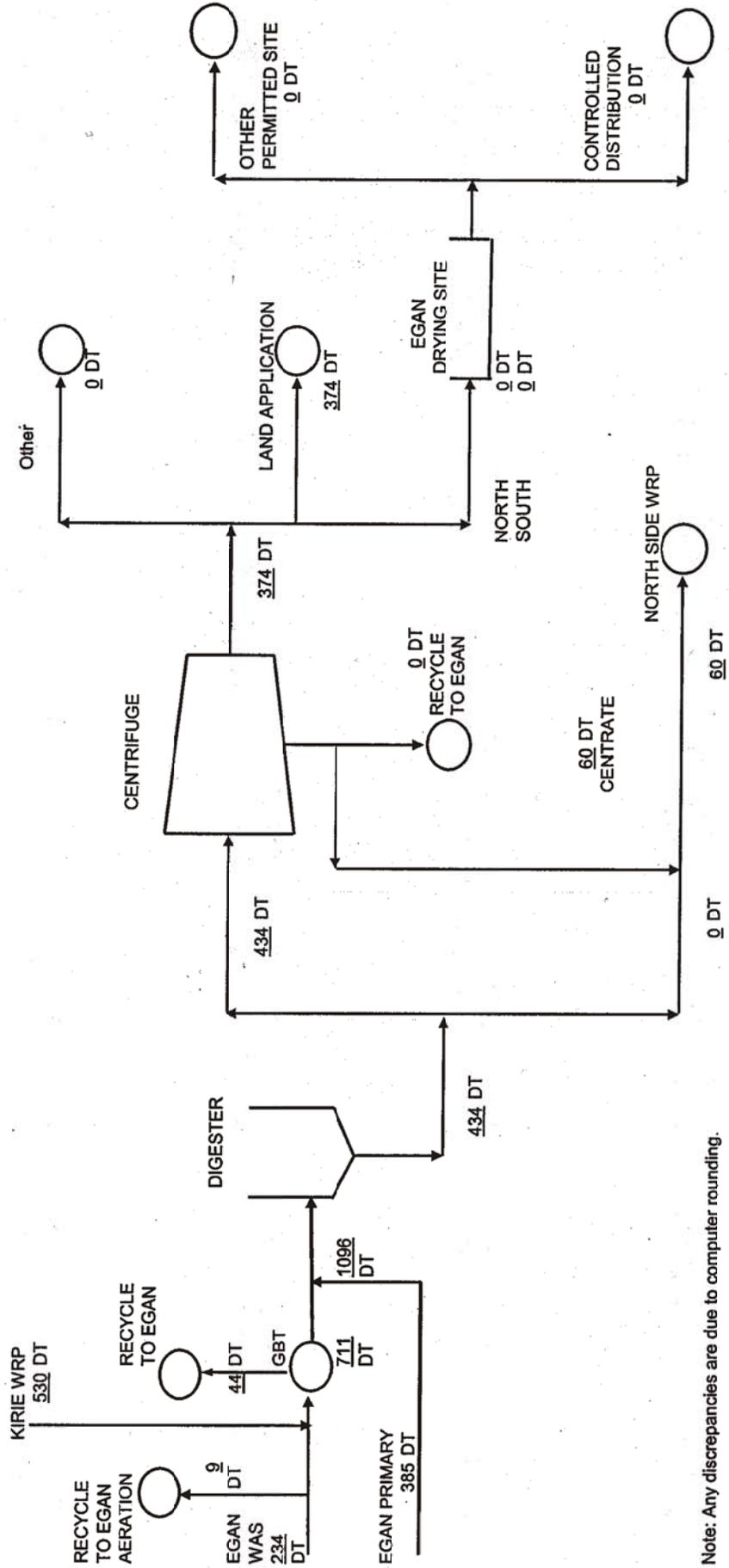
cc w/att.: Aistars (USEPA)  
Sulski (IEPA)  
Sobanski  
Levy/Quintanilla  
Sharma /Conway  
Staudacher/Collins  
Granato/O'Connor  
Cox/Tian/Dennison

# J.E. EGAN WRP SOLIDS DISTRIBUTION-

FIGURE 1

November-05

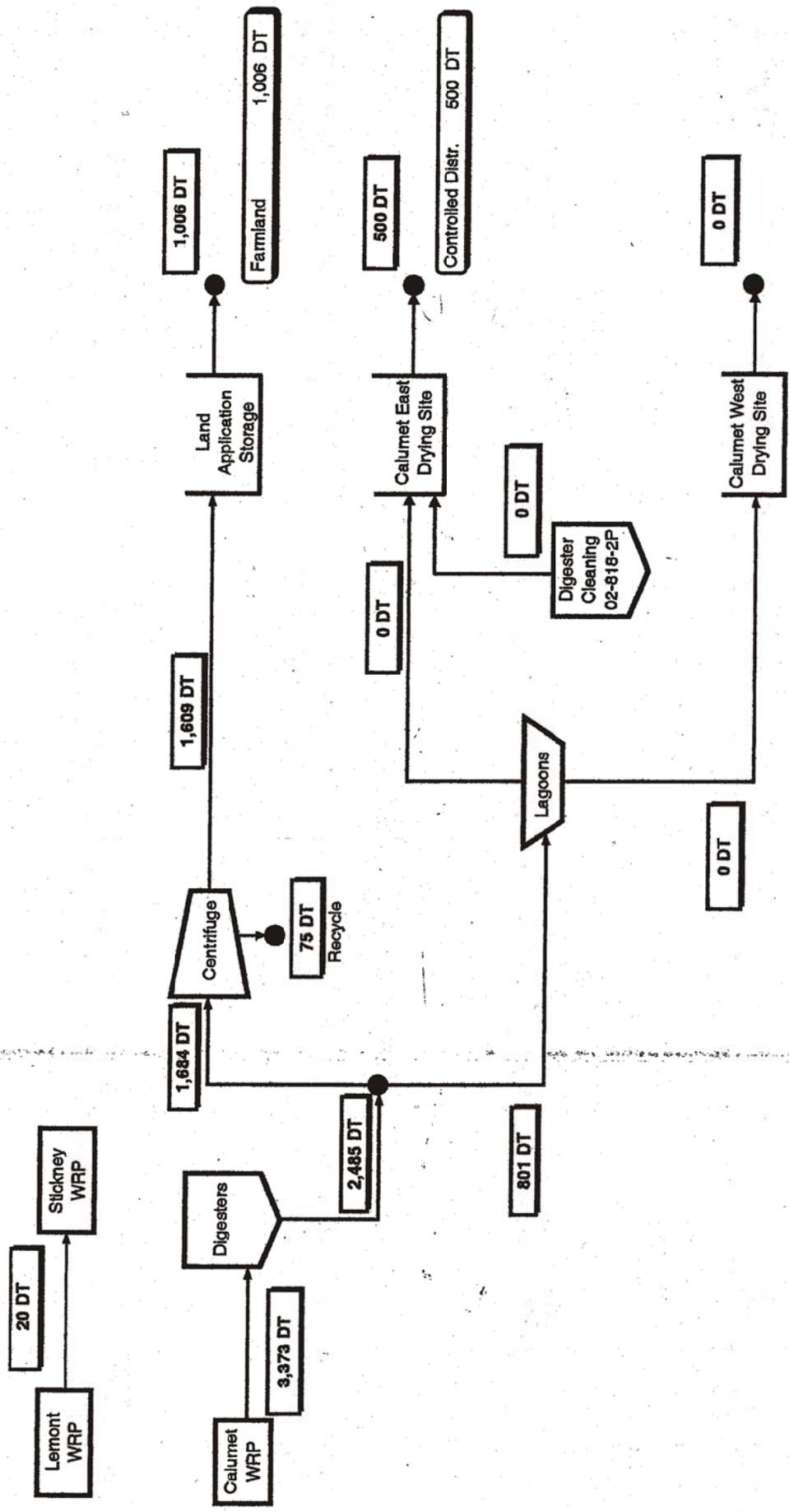
MB *MB*



Note: Any discrepancies are due to computer rounding.

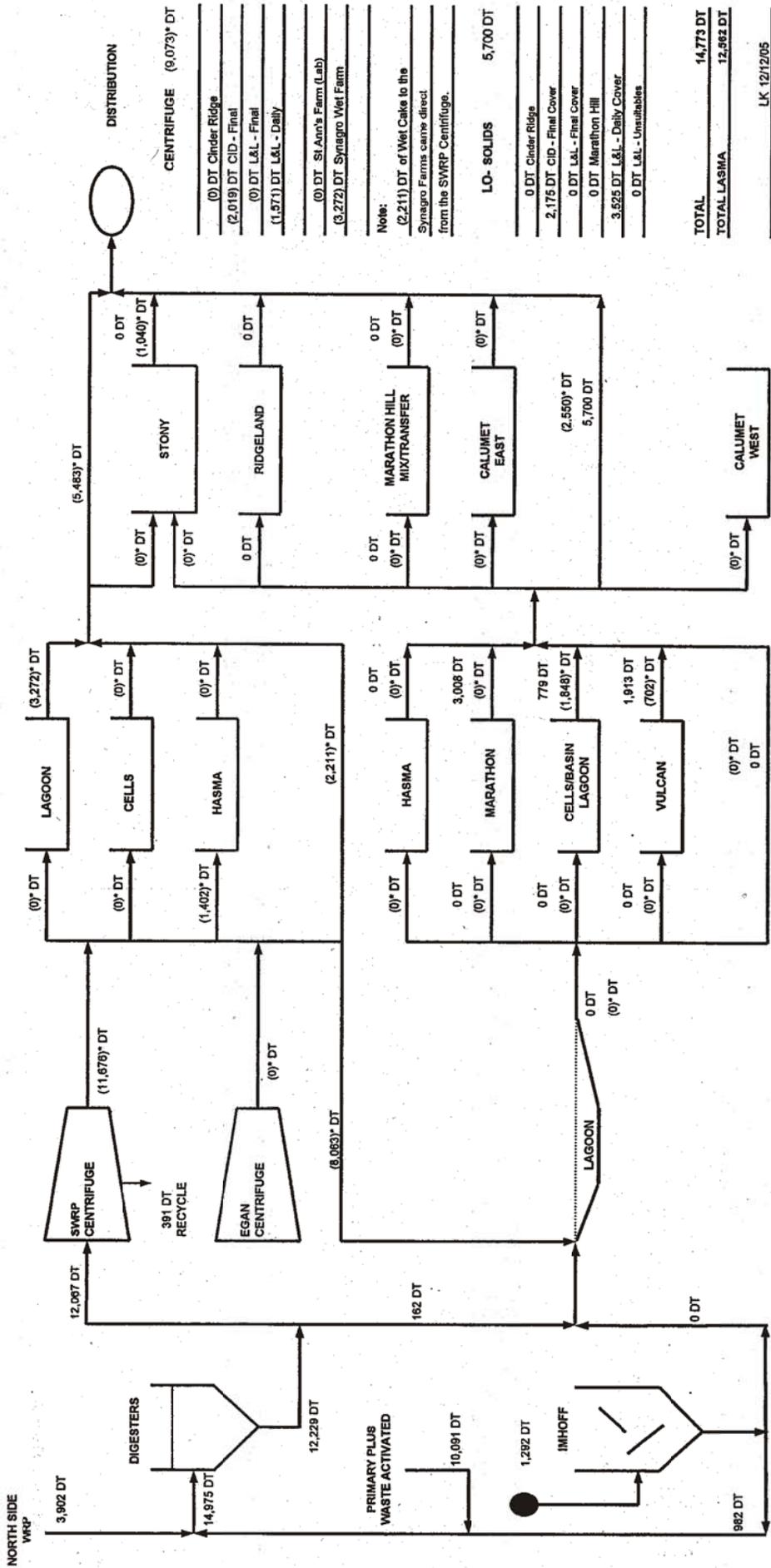
**CALUMET WRP SOLIDS DISTRIBUTION - November 2005**

Figure 2



STICKNEY WATER RECLAMATION PLANT SOLIDS DISTRIBUTION FOR NOVEMBER 2005

Figure 3



(CENTRIFUGE CAKE)\*

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 1

CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

---

1. Name of User:	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 East solids drying area.
4. Quantity Received (November 2005):	326 dry tons
Cumulative Quantity Received in 2005:	326 dry tons
5. Date Biosolids Received:	November 2 - 4, 2005
6. Use of Biosolids at Site:	Used as top dressing in golf course turf areas.
7. Size of Application Area:	75 acres
8. Application Rate:	4.3 dry tons/acre

---

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 2

ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO LAND AT THE CINDER  
RIDGE GOLF COURSE FROM THE CALUMET EAST DRYING AREA  
DURING NOVEMBER 2005

Constituent	Units	Concentration
pH		6.9
Total Solids	%	63.2
Total Volatile Solids	"	41.0
Volatile Acids as Acetic Acid	mg/dry kg	155
Total Kjeldahl-N	"	15,749
NH <sub>3</sub> -N	"	980
Total P	"	21,883
K	"	2,493
Cd	"	7.7
Cr	"	118
Cu	"	441
Pb	"	141
Hg	"	1.57
Mo	"	12.7
As	"	7.0
Mn	"	779
Ni	"	35.5
Se	"	13.4
Zn	"	1,404

\*Results based on one sample.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 3

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 East solids drying area.
4. Quantity Received (November 2005):	163 dry tons
Cumulative Quantity Received in 2005:	177 dry tons
5. Date Biosolids Received:	November 1, 2005
6. Use of Biosolids at Site:	Used as top dressing in golf course turf areas.
7. Size of Application Area:	10 acres
8. Application Rate:	16.3 dry tons/acre

---

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 4

ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO LAND AT THE  
CHALET HILLS GOLF COURSE FROM THE CALUMET EAST DRYING AREA  
DURING NOVEMBER 2005

Constituent	Units	Concentration
pH		5.8
Total Solids	%	65.0
Total Volatile Solids	"	40.1
Volatile Acids as Acetic Acid	mg/dry kg	179
Total Kjeldahl-N	"	15,749
NH <sub>3</sub> -N	"	1,510
Total P	"	21,883
K	"	1,653
Cd	"	7.8
Cr	"	113
Cu	"	438
Pb	"	148
Hg	"	1.65
Mo	"	11.2
As	"	3.5
Mn	"	772
Ni	"	33.1
Se	"	13.4
Zn	"	1,416

\*Results based on one sample.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 5

CONTROLLED SOLIDS DISTRIBUTION PROGRAM  
USER INFORMATION REPORT

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1. Name of User:	Oak Brook Park District
2. Address of User:	1450 Forest Gate Road Oak Brook, IL 60523
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 2005):	11.1 dry tons
Cumulative Quantity Received in 2005:	11.1 dry tons
5. Date Biosolids Received:	November 17, 2005
6. Use of Biosolids at Site:	Used as top dressing in soccer field turf areas.
7. Size of Application Area:	2 acres
8. Application Rate:	5.6 dry tons/acre

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METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 6

ANALYSIS\* OF DIGESTED BIOSOLIDS APPLIED TO LAND AT THE  
OAK BROOK PARK DISTRICT SOCCER FIELDS  
DURING NOVEMBER 2005

Constituent	Units	Concentration
pH		6.9
Total Solids	%	63.2
Total Volatile Solids	"	41.0
Volatile Acids as Acetic Acid	mg/dry kg	155
Total Kjeldahl-N	"	15,749
NH <sub>3</sub> -N	"	1,510
Total P	"	21,883
K	"	2,493
Cd	"	7.7
Cr	"	118
Cu	"	441
Pb	"	141
Hg	"	1.57
Mo	"	12.7
As	"	7.0
Mn	"	779
Ni	"	35.5
Se	"	13.4
Zn	"	1,404

\*Results based on one sample.