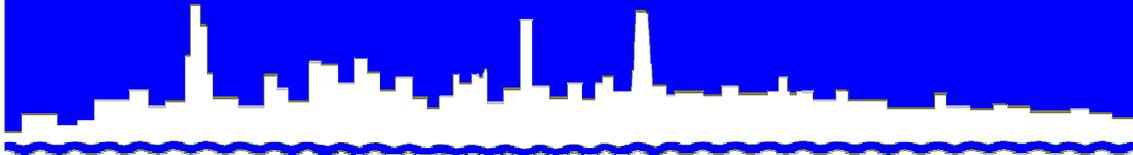


*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***MONITORING AND RESEARCH  
DEPARTMENT***

*REPORT NO. 11-2*

*MONTHLY CONTROLLED SOLIDS*

*DISTRIBUTION REPORT*

*SEPTEMBER 2010*

*JANUARY 2011*

Terrence J. O'Brien  
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Debra Shore  
Mariyana T. Spyropoulos

**Metropolitan Water Reclamation District of Greater Chicago**

100 East Erie Street Chicago, Illinois 60611-3154 f: 312.751.5194 312.751.5190

**Thomas C. Granato, Ph.D.**  
Acting Director of Monitoring and Research  
thomas.granato@mwr.org

January 11, 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 2010

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

Sludge flow schematic diagrams for solids processed during September 2010 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 ten sites in September. The user information report for those sites  
is presented in Table 1, and the analyses of the composited biosolids delivered to those sites are pre-  
sented in Table 2.

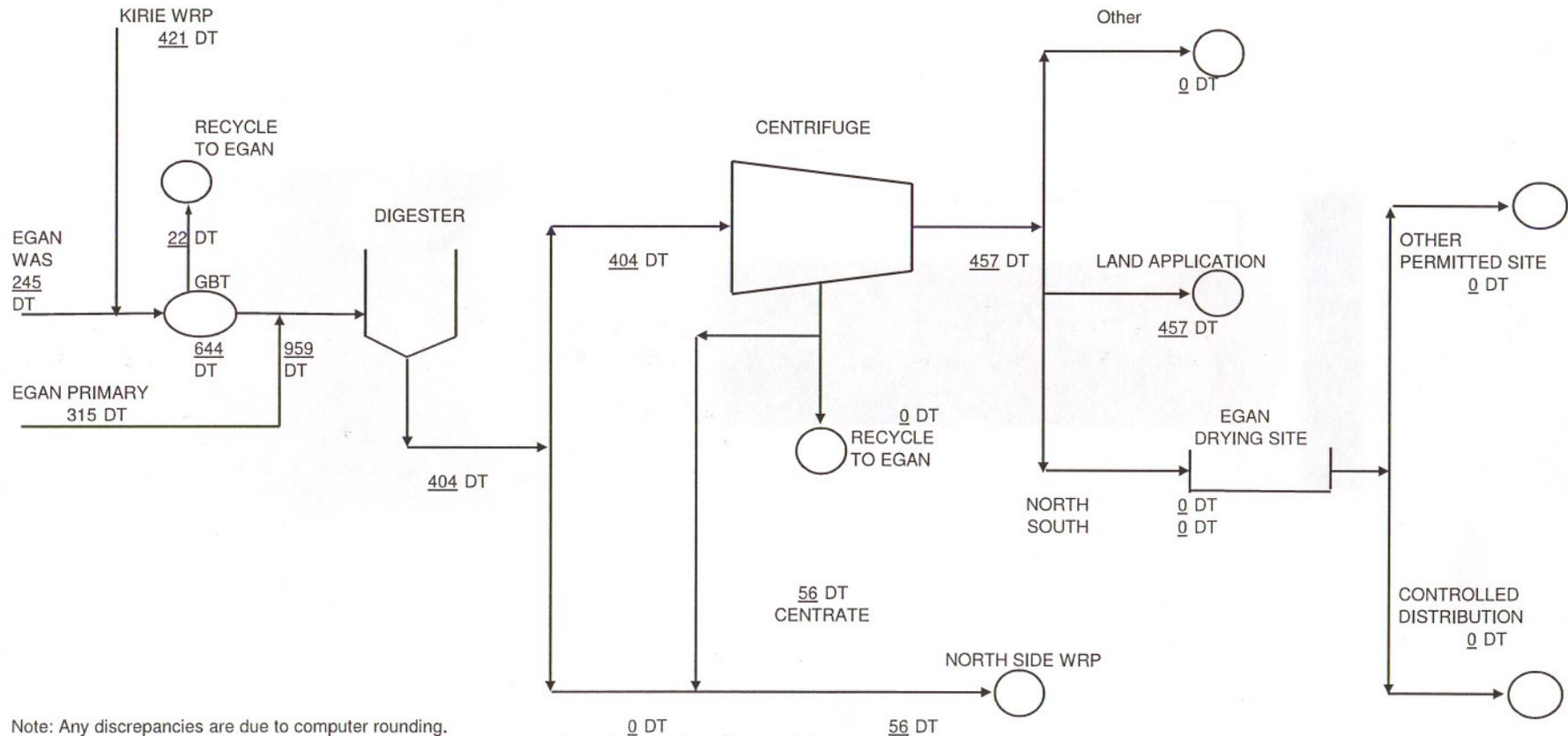
Very truly yours,

Thomas C. Granato  
Acting Director  
Monitoring and Research

TCG:OO:kq  
Attachments  
cc: Aistars (USEPA)  
Sulski (IEPA)  
Kits  
O'Connor

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

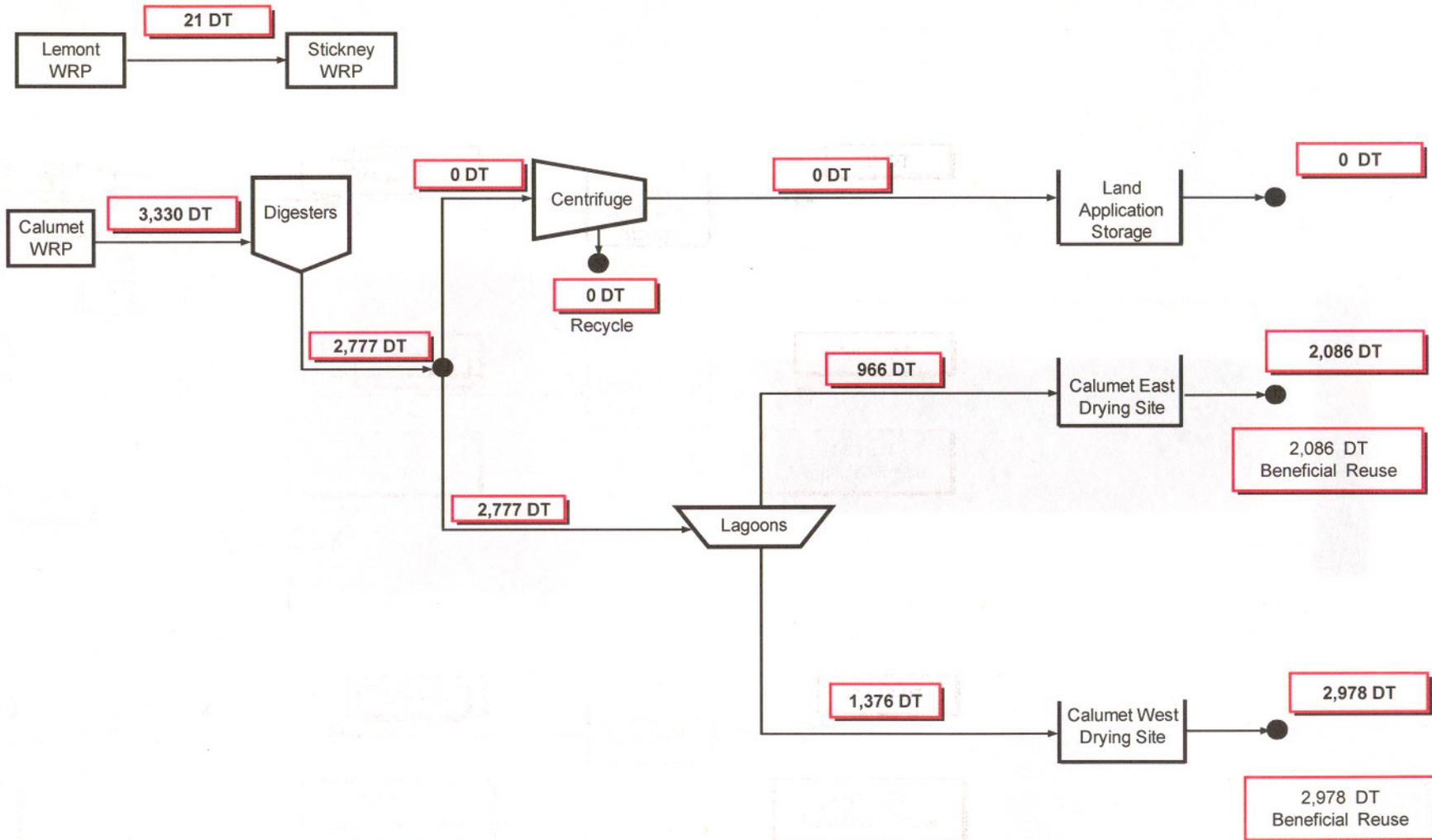
September-10



Note: Any discrepancies are due to computer rounding.  
Centrifuge draw DT exceeds Centrifuge feed DT by 53 DT because of sample anomalies. Centrate DT are estimated to be approximately 56 DT.

CALUMET WRP SOLIDS DISTRIBUTION - September 2010

Figure 2



# STICKNEY WATER RECLAMATION PLANT SOLIDS DISTRIBUTION FOR SEPTEMBER 2010 (rev)

Figure 3

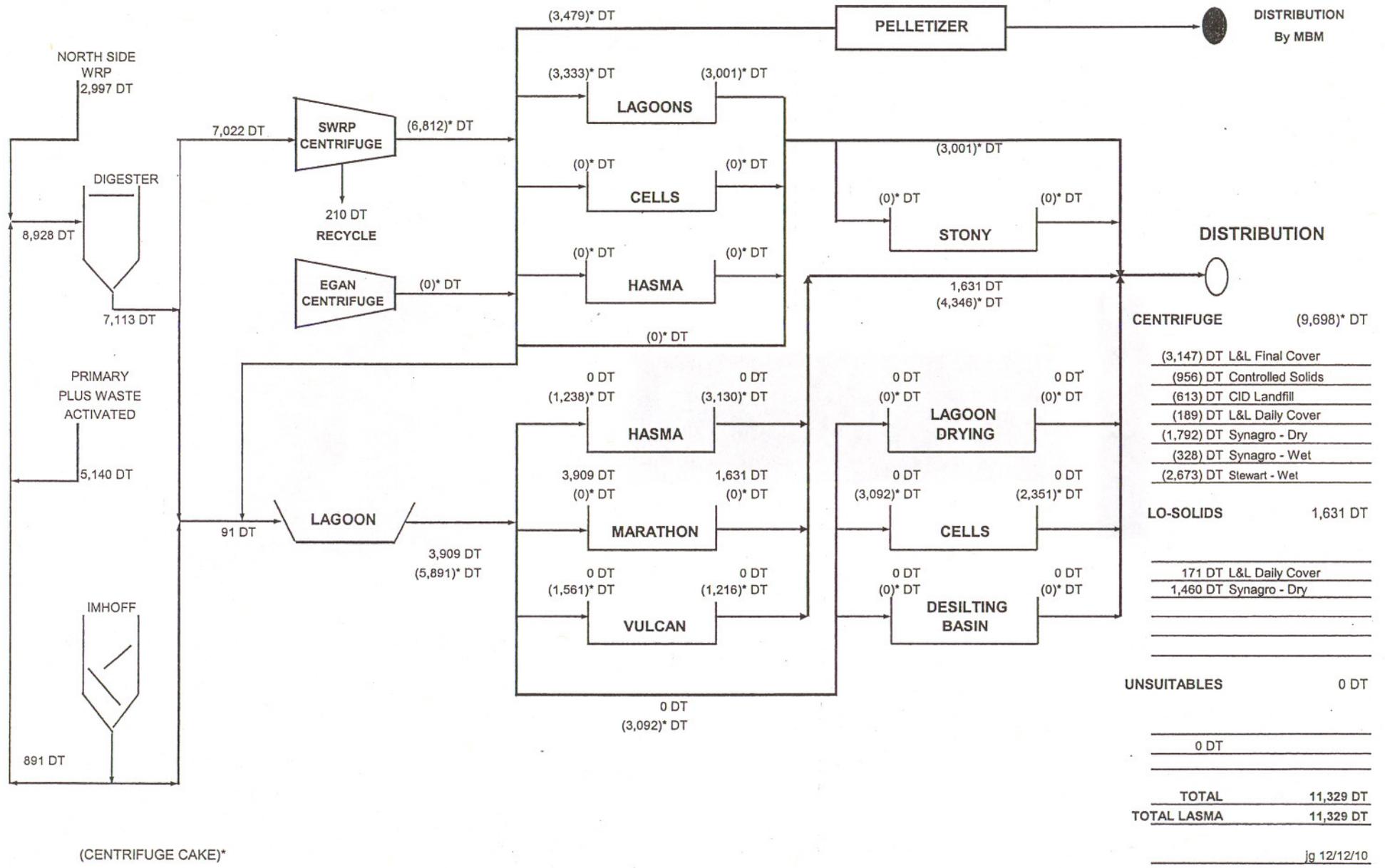


TABLE 1: CONTROLLED SOLIDS DISTRIBUTION PROGRAM USER INFORMATION REPORT  
FOR AGITATION-DRIED, ANAEROBICALLY-DIGESTED SOLIDS

Location No.	Name and Address of User	WRP <sup>1</sup>	Dates	Quantity (dry tons)		Biosolids Use	Application	
				2010 Sept.	2010 Cumulative		Area (acres)	Rate (tons/acre)
1	BBJ Group 13821 S. Harrison Ave Blue Island, IL 60406	Stickney	9	19.5	19.5	Topsoil blending at the Blue Island facility. <sup>2</sup>	NA <sup>3</sup>	NA
2	Blue Island Park District Memorial Park 12804 S. Highland Ave. Blue Island, IL 60406	Stickney	9	38.1	38.1	Topdressing as fertilizer for turf growth.	2	19.1
3	Richton Park District 4455 Sauk Trail Richton Park, IL 60471	Stickney	9	96.6	96.6	Topdressing as fertilizer for turf growth.	5	19.3
4	Frankfort Square Park Distr. Rogus Park 20027 S. 88 <sup>th</sup> Ave. Frankfort, IL 60423	Stickney	9, 10	237.7	303.4	Topdressing as fertilizer for turf growth.	40	5.9
5	Woodridge Park District Cypress Cove Park 8325 S. James Ave. Woodridge, IL60517	Stickney	9, 27	51.2	51.2	Incorporation with topsoil for turf growth.	2	25.6
6	Lisle Park District Woodglenn Park 1825 Short St. Lisle, IL 60532	Stickney	23	61.6	286.1	Incorporation with topsoil for turf growth.	2	30.8

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

Location No.	Name and Address of User	WRP <sup>1</sup>	Dates	Quantity (dry tons)		Biosolids Use	Application	
				2010 Sept.	2010 Cumulative		Area (acres)	Rate (tons/acre)
7	Morton Grove Park District Frank Hren Park 6500 W. Dempster St. Morton Grove, IL 60053	Stickney	23, 27	70.9	70.9	Topdressing as fertilizer for turf growth.	3	23.6
8	MWRD 6001 W. Pershing Rd. Cicero, IL 60804	Stickney	23, 27, 28	73.9	73.9	Topdressing as fertilizer for turf growth.	3	24.6
9	St. Charles Park District Campton Hills Park 101 South Second St. St. Charles, IL 60174	Stickney	23, 28, 29	247.7	247.7	Topdressing as fertilizer for turf growth.	10	24.7
10	North Shore County Club 1340 Glenview Rd. Glenview, IL 60025	Stickney	29	59.3	59.3	Topdressing as fertilizer for turf growth.	3	19.8

<sup>1</sup>WRP – Water Reclamation Plant.

<sup>2</sup>Blended soil for use in 2011.

<sup>3</sup>Not available.

TABLE 2: ANALYSIS OF DIGESTED BIOSOLIDS FROM THE STICKNEY WATER RECLAMATION PLANT APPLIED TO LAND DURING SEPTEMBER 2010

	Units	User's Location No. <sup>1</sup>				
		1, 2, 3, 4, 5	6, 7, 8, 9	5, 7, 8	8, 9	9, 10
pH		6.5	6.6	6.4	7.1	6.7
Total Solids	%	77.3	72.4	69.4	72.5	79.9
Total Volatile Solids	"	34.4	38.9	38.5	38.9	39.2
Volatile Acids as Acetic Acid	mg/dry kg	40	76	91	135	60
Total Kjeldahl-N	"	13,031	22,018	22,207	23,645	20,848
NH <sub>3</sub> -N	"	1,310	3,390	3,616	4,316	3,492
Total P		13,289	21,806	19,124	20,147	18,949
As	"	12	12	12	12	12
Cd	"	4	4	4	4	4
Cr	"	160	163	166	165	164
Cu	"	452	432	445	442	433
Hg	"	1.2	1.6	1.4	1.4	1.1
K	"	2,117	2,076	2,254	2,227	2,360
Mn	"	483	491	497	501	501
Mo	"	10	12	12	12	12
Ni	"	40	43	42	43	42
Pb	"	153	158	160	159	159
Se	"	<8.0	<8.0	<8.0	<8.0	<8.0
Zn	"	947	993	1,005	1,006	995

<sup>1</sup>For location number designation, see the first column located in [Table 1](#).