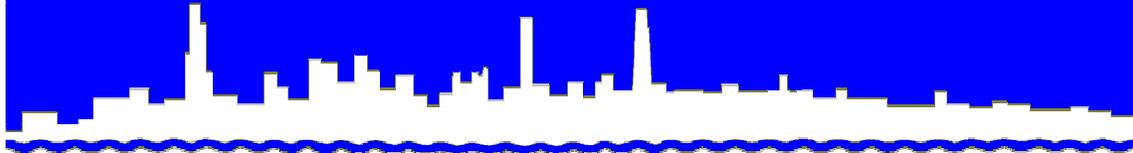


Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***RESEARCH AND DEVELOPMENT
DEPARTMENT***

REPORT NO. 06-21

MONTHLY REPORT OF THE FULTON COUNTY

ENVIRONMENTAL PROTECTION SYSTEM

JANUARY 2006

MAY 2006

Protecting Our Water Environment

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100 EAST ERIE STREET CHICAGO, ILLINOIS 60611-3154 312-751-5600

April 28, 2006

Richard Lanyon
Director of Research & Development

312-751-5190

Mr. S. Alan Keller, P.E.
Manager, Permit Section
Illinois Environmental
Protection Agency
P.O. Box 19276
Springfield, IL 62794-9276

Dear Mr. Keller:

Attached for your information and use is the January 2006 monthly report of the Fulton County Environmental Protection System.

Very truly yours,

Richard Lanyon
Director
Research and Development

RL:GT:spy
Attachment
cc w/enc.:

Mr. Valdis Aistars, USEPA Region V
Mr. Ash Sajjad, USEPA Region V
Mr. Matthew Williams, USEPA Region V
IEPA Permit Section, Springfield
IEPA Surveillance Section, Peoria
Chairman of the Fulton County Board
Fulton County Board of Health
Fulton County Zoning Office

cc via MWRDGC web site:

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**ENVIRONMENTAL PROTECTION SYSTEM
REPORT FOR FULTON COUNTY, ILLINOIS**

January 2006

**Research and Development Department
G. Tian
A. Cox**

April 2006

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FOREWORD

The data and information in this report fulfill the frequency of monitoring and the reporting requirements for the Land Application of Biosolids at the Fulton County Land Reclamation Project as specified in the Illinois Environmental Protection Agency Permit No. 2005-SC-5073 for January 2006.

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ACKNOWLEDGMENT

Thanks are due to the staff of the Analytical Laboratories Division for assistance in conducting analyses and Ms. Sabina Yarn for typing this report.

DISCLAIMER

Mention of proprietary equipment and chemicals in this report does not constitute endorsement by the Metropolitan Water Reclamation District of Greater Chicago.

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FULTON COUNTY
DEWATERED BIOSOLIDS REPORT
January 2006

DEWATERED BIOSOLIDS REPORT

No dewatered biosolids were applied to fields during the month of January 2006. In addition, no supernatant was available for application to fields during this month. The last supernatant application was made in 1995, and the last biosolids application was made in 2004.

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FULTON COUNTY
WATER ANALYSIS REPORT
January 2006

WATER ANALYSIS REPORT

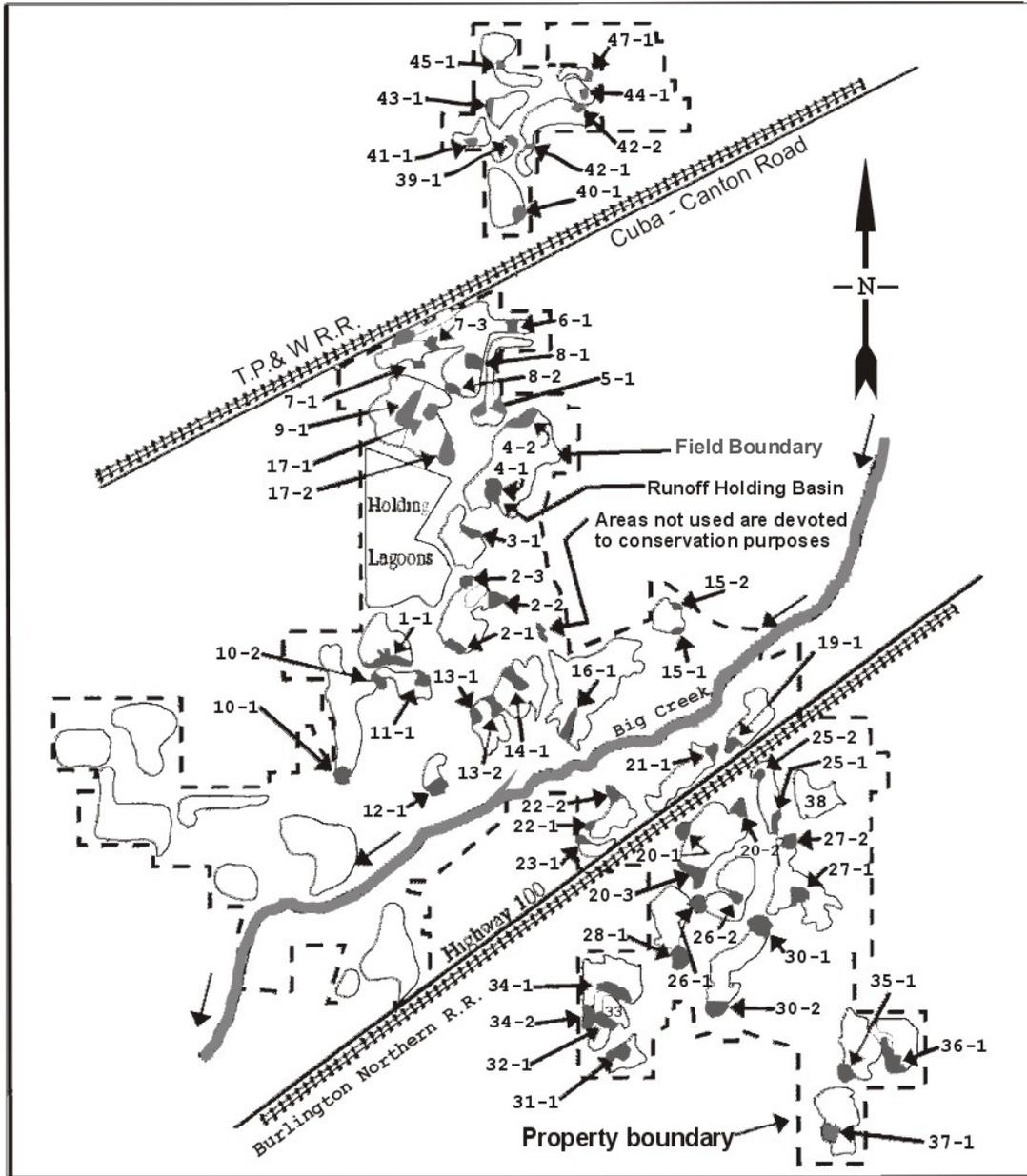
There was no water release and sampling in retention basins during this month. A site plan of farm field and retention basin locations is attached in Figure 1.

The surface water sites (streams, reservoirs, and SP sites) and wells were also not sampled during the month. A site plan of water monitoring locations is attached in Figure 2.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 1

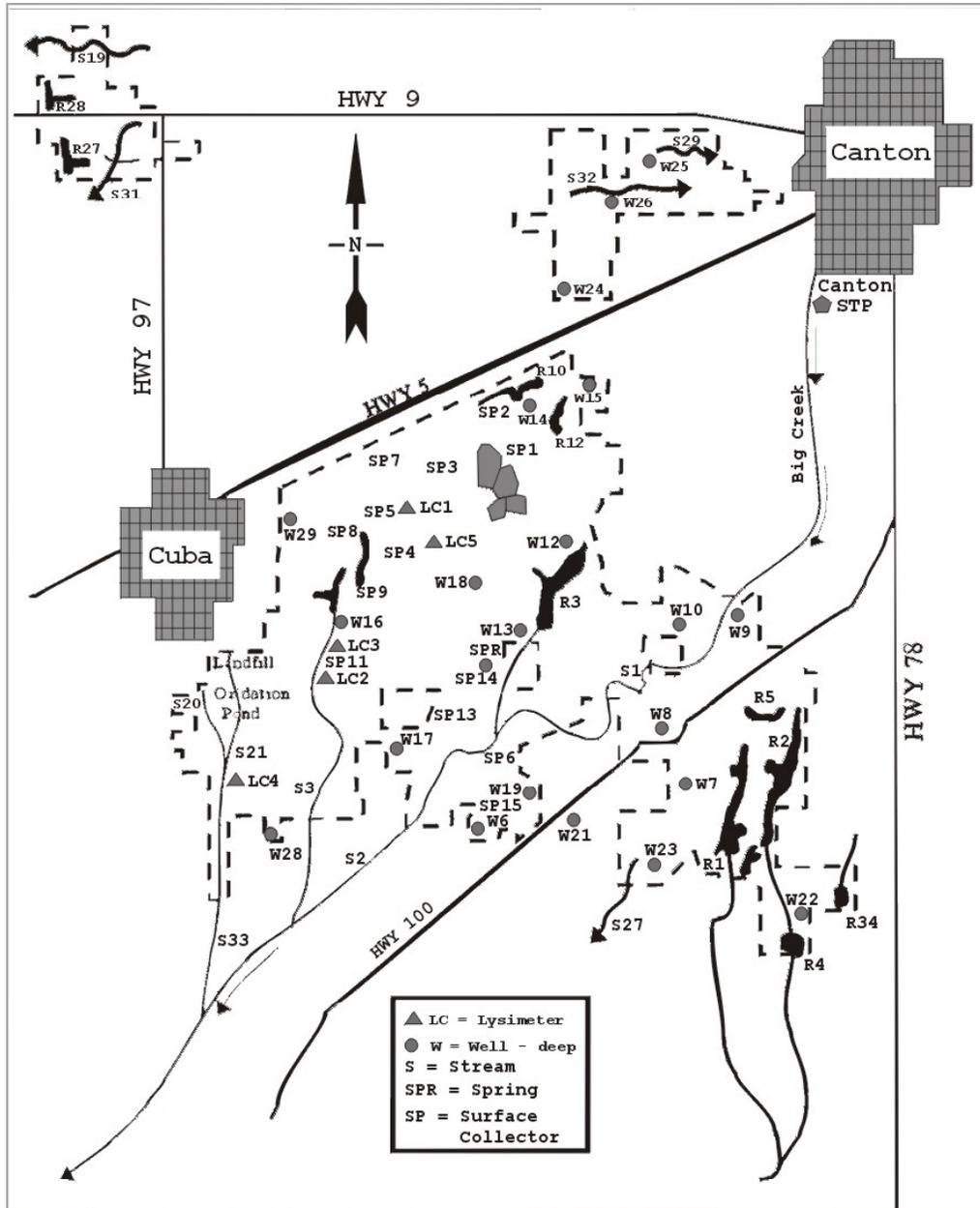
FARM FIELDS AND RUNOFF BASINS AT THE LAND RECLAMATION PROJECT AT FULTON COUNTY, ILLINOIS



METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 2

WATER MONITORING LOCATIONS AT THE LAND RECLAMATION PROJECT AT FULTON COUNTY, ILLINOIS



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FULTON COUNTY
CLIMATOLOGICAL OBSERVATIONS
January 2006

CLIMATOLOGICAL OBSERVATIONS

The daily climatological observations for January 2006 are summarized in Table 1. The total precipitation recorded for the month was 2.57 inches.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

TABLE 1

RECORD OF CLIMATOLOGICAL OBSERVATIONS FOR JANUARY 2006,
FULTON COUNTY, ILLINOIS, STATION SEQ, SEC.10, R3E, T6N

Date	Temperature °C			Precipitation		Wind		
	Max	Min	Avg	rain, melted snow	snow, sleet, hail	m/S	m/S	Dir
				(inches & hundredths)	(inches & tenths)	Avg	Max	
1	9.9	-1.2	4.5	0.00		3.6	8.5	NE
2	13.1	4.4	9.2	0.42		3.2	9.8	NW
3	4.9	3.2	3.9	0.00		3.2	10.7	S
4	5.2	1.2	3.3	0.00		4.7	13.4	W
5	2.0	-0.8	0.3	0.00		3.3	9.8	NW
6	0.1	-1.6	-1.0	0.00		3.6	10.7	S
7	10.7	-2.2	2.8	0.00		2.4	9.8	S
8	16.1	0.1	5.8	0.00		3.9	8.9	NE
9	4.3	0.4	2.0	0.00		2.5	9.8	W
10	3.5	-2.8	0.8	0.14		2.2	8.5	N
11	9.9	0.3	4.4	0.00		3.8	11.2	SE
12	14.4	1.9	6.9	0.00		2.9	10.3	SE
13	6.4	-2.9	0.9	0.41		5.1	15.6	NW
14	6.0	-5.1	-0.9	0.00		2.5	12.5	W
15	7.4	-2.8	1.7	0.00		5.1	15.2	E
16	14.8	-0.3	4.8	0.00		2.7	11.6	SE
17	1.8	-3.7	-1.6	0.00		6.1	17.0	W
18	6.4	-4.7	-0.3	0.00		4.6	15.2	W
19	16.4	0.9	7.9	0.00		3.6	13.4	SE
20	7.6	-1.6	1.0	0.45		3.0	9.8	N
21	0.2	-1.7	-0.9	0.02		2.4	8.0	NW
22	4.1	-3.6	-1.2	0.01		1.5	6.7	SE
23	2.1	-3.7	-2.0	0.00		3.1	11.2	S
24	8.6	-2.3	2.4	0.00		7.7	23.7	W
25	4.4	-5.4	-1.4	0.00		3.4	12.5	W
26	10.1	-6.7	1.6	0.00		2.8	9.4	SE
27	13.4	1.6	6.2	0.00		3.8	9.8	SE
28	9.7	4.7	7.2	0.94		3.4	11.6	SE
29	9.3	3.1	7.1	0.18		4.9	13.9	SW
30	3.5	0.7	1.9	0.00		4.5	12.1	W
	8.6	-4.6	2.6	0.00		2.9	10.3	W
Sum				2.57	0.0	Observer: Josh DeWees Station: R&D Lab		
Avg	7.6	-1.1	2.6					
Extreme	16.4	-6.7		0.94	0.0			

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FULTON COUNTY
RECLAMATION OF COAL REFUSE PILES WITH BIOSOLIDS
January 2006

RECLAMATION OF COAL REFUSE PILES WITH BIOSOLIDS

Lysimeters and drainage tiles at the St. David coal refuse pile reclamation site were not sampled during the month. Locations for all lysimeters and drainage tile sampling sites are shown in Figure 3.

Lysimeters at the Big Ten (Morgan Mine) coal refuse pile site and the United Electric coal refuse pile site were also not sampled during the month.

METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

FIGURE 3

ST. DAVID COAL REFUSE PILE RECLAMATION SITE

