

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 23-12

HANOVER PARK WATER RECLAMATION PLANT:

FISCHER FARM MONITORING REPORT

FOR FIRST QUARTER 2023:

SPECIAL CONDITION 5

April 2023

Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street Chicago, Illinois 60611-2803 (312) 751-5600

**HANOVER PARK WATER RECLAMATION PLANT:
FISCHER FARM MONITORING REPORT
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Edward W. Podczewski, P.E.
Director of Monitoring and Research

April 17, 2023

Ms. Catherine Siders
Illinois Environmental Protection Agency
Bureau of Water
DWPC Compliance Section #19
1021 North Grand Avenue East
P.O. Box 19276
Springfield, Illinois 62794-9274

Dear Ms. Siders:

Subject: Hanover Park Water Reclamation Plant - Illinois Environmental Protection Agency
Permit No. 2022-SC-66896, Special Condition 5 Monitoring Report for January,
February, and March 2023

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for January, February, and March 2023, as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2022-SC-66896, Special Condition 5.

Drainage water (combined surface and subsurface) returned to the Hanover Park WRP from the farm fields was sampled in January, February, and March 2023, and data for these samples are presented in Table 1. The volumes of drainage water returned to the WRP during the first quarter were estimated as 9.0, 23.2, and 11.6 million gallons in January, February, and March, respectively.

The data reported are as follows:

Table 1 Analysis of Combined Surface and Subsurface Drainage From the Fischer Farm Site Returned to the Hanover Park Water Reclamation Plant During January, February, and March 2023.

Figure 1 Map of Fields and Wells at the Hanover Park Fischer Farm Site of the Metropolitan Water Reclamation District of Greater Chicago.

Very truly yours,



Albert E. Cox, Ph.D.
Environmental Monitoring and Research Manager
Monitoring and Research Department

AC:lf

Attachment

cc: Mr. J. Patel, Manager, IEPA – Des Plaines
Mr. T. Bennett, IEPA
Mr. B. Fleming, IEPA
Mr. K. Middleton, USEPA, Region 5
Mr. J. Chavich/Mr. B. Kaunelis
Mr. P. Desai/Dr. H. Zhang

TABLE 1: ANALYSIS OF COMBINED SURFACE AND SUBSURFACE DRAINAGE FROM THE FISCHER FARM SITE RETURNED TO THE HANOVER PARK WATER RECLAMATION PLANT DURING JANUARY, FEBRUARY, AND MARCH 2023

Date	Sump	NH ₃ -N	TSS ¹	BOD ₅
-----mg L ⁻¹ -----				
01/04/23	East	357	69	126
01/04/23	West	13	30	12
01/24/23	East	7.5	10	NRR ²
01/24/23	West	4.5	6	NRR
02/07/23	East	4.8	6	7
02/07/23	West	3.1	5	6
02/21/23	East	2.8	2	NRR
02/21/23	West	0.53	2	NRR
03/07/23	East	11	5	6
03/07/23	West	<0.30	2	<2
03/21/23	East	5.2	2	NRR
03/21/23	West	<0.30	27	NRR

¹Total suspended solids.

²No reportable results. Laboratory QA/QC failed and samples could not be reanalyzed due to holding time requirement.

FIGURE 1: MAP OF FIELDS AND WELLS AT THE HANOVER PARK FISCHER FARM SITE OF THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO

