

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 22-08

HANOVER PARK WATER RECLAMATION PLANT

FISCHER FARM MONITORING REPORT FOR

FIRST QUARTER 2022:

SPECIAL CONDITION 5

April 2022

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Edward W. Podczewinski, P.E.
Director of Monitoring and Research

April 25, 2022

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 2022

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for January, February, and March 2022, 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 2022, 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 4.0, 16.5, and 13.9 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 2022.

[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. A. Gronski/Dr. H. Zhang

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HANOVER PARK WATER RECLAMATION PLANT
FISCHER FARM MONITORING REPORT FOR FIRST QUARTER 2022:
SPECIAL CONDITION 5

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 2022

Date	Sump	NH ₃ -N	TSS ¹	BOD ₅
-----mg L ⁻¹ -----				
01/04/22	East	7.7	2	<2
01/04/22	West	4.7	5	<2
01/18/22	East	9.3	<2	9
01/18/22	West	5.5	4	9
02/01/22	East	24	3	10
02/01/22	West	8.5	3	11
02/15/22	East	9.7	3	5
02/15/22	West	2.0	<2	6
03/08/22	East	5.8	5	10
03/08/22	West	11	11	14
03/22/22	East	7.0	3	NRR ²
03/22/22	West	5.0	2	<2

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

