

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 22-38

HANOVER PARK WATER RECLAMATION PLANT

FISCHER FARM MONITORING REPORT

FOR THIRD QUARTER 2022:

SPECIAL CONDITION 5

December 2022

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

October 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 July, August,
and September 2022

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for July, August, and September 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 July, August, and September 2022, and data for these samples are presented in [Table 1](#). The volumes of drainage water returned to the WRP during the third quarter were estimated as 8.5, 1.6, and 0.60 million gallons in July, August, and September, 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 July, August, and September 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 THIRD 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 JULY, AUGUST, AND SEPTEMBER 2022

Date	Sump	NH ₃ -N	TSS ¹	BOD ₅
			-----mg L ⁻¹ -----	
07/07/22	East	13	4	11
07/07/22	West	7	10	3
07/19/22	East	57	3	5
07/19/22	West	32	5	6
08/02/22	East	35	8	21
08/02/22	West	62	6	8
08/16/22	East	66	6	NRR ²
08/16/22	West	33	5	NRR
09/07/22	East	177	36	132
09/07/22	West	333	148	47
09/20/22	East	114	27	24
09/20/22	West	60	9	4

¹Total suspended solids.

²No reportable results. Laboratory blank did not meet requirements 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

