

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 23-04

HANOVER PARK WATER RECLAMATION PLANT

FISCHER FARM MONITORING REPORT

FOR FOURTH QUARTER 2022:

SPECIAL CONDITION 5

January 2023

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Edward W. Podczerwinski, P.E.

Director of Monitoring and Research

January 18, 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 October,
November, and December 2022

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for October, November, and December 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 October, November, and December 2022, and data for these samples are presented in Table 1. The volumes of drainage water returned to the WRP during the fourth quarter were estimated as 10.8, 6.3, and 12.2 million gallons in October, November, and December, 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 October, November, and December 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. P. Desai/Dr. H. Zhang

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**HANOVER PARK WATER RECLAMATION PLANT
FISCHER FARM MONITORING REPORT
FOR FOURTH 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 OCTOBER, NOVEMBER, AND DECEMBER 2022

Date	Sump	NH ₃ -N	TSS ¹	BOD ₅
			-----mg L ⁻¹ -----	
10/05/22	East	175	14	30
10/05/22	West	139	15	27
10/18/22	East	92	25	NRR ²
10/18/22	West	72	29	NRR
10/25/22	East	138	11	17
10/25/22	West	78	19	27
11/01/22	East	70	15	4
11/01/22	West	43	9	8
11/23/22	East	168	49	107
11/23/22	West	192	54	125
11/29/22	East	86	55	74
11/29/22	West	57	53	58
12/06/22	East	94	38	61
12/06/22	West	69	31	41
12/20/22	East	38	15	NRR
12/20/22	West	21	11	NRR

¹Total suspended solids.

²No reportable results. Laboratory quality assurance/quality control samples 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

