

*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***MONITORING AND RESEARCH  
DEPARTMENT***

***REPORT NO. 24-04***

***HANOVER PARK WATER RECLAMATION PLANT***

***FISCHER FARM MONITORING REPORT FOR***

***FOURTH QUARTER 2023:***

***SPECIAL CONDITION 5***

***January 2024***

## Protecting Our Water Environment



### Metropolitan Water Reclamation District of Greater Chicago

CECIL LUE-HING RESEARCH AND DEVELOPMENT COMPLEX  
6001 WEST PERSHING ROAD CICERO, ILLINOIS 60804-4112

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January 12, 2024

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 2023

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for October, November, and December 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 October, November, and December 2023, 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 2.5, 0.38, and 3.9 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 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 Cox, Ph.D.  
Environmental Monitoring and Research Manager  
Monitoring and Research Department

AC:lf  
Attachment  
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. Desai/Dr. H. Zhang

**Metropolitan Water Reclamation District of Greater Chicago**  
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**HANOVER PARK WATER RECLAMATION PLANT  
FISCHER FARM MONITORING REPORT FOR  
FOURTH QUARTER 2023:  
SPECIAL CONDITION 5**

**By**

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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 2023

Date	Sump	NH <sub>3</sub> -N	TSS <sup>1</sup>	BOD <sub>5</sub>
			-----mg L <sup>-1</sup> -----	
10/04/23	East	169	7	NRR <sup>2</sup>
10/04/23	West	<0.30	6	NRR
10/19/23	East	6.3	10	5
10/19/23	West	<0.30	3	NRR
10/31/23	East	4.4	8	7
10/31/23	West	<0.30	2	<2
11/15/23	East	11	19	4
11/15/23	West	<0.30	3	<2
11/30/23	East	2.5	2	12
11/30/23	West	<0.30	7	<2
12/06/23	East	0.58	3	NRR
12/06/23	West	<0.30	3	NRR
12/15/23	East	1.2	3	3
12/15/23	West	<0.30	12	<2
12/26/23	East	0.56	10	6
12/26/23	West	<0.30	6	<2

<sup>1</sup>Total suspended solids.

<sup>2</sup>No 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

