

*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***MONITORING AND RESEARCH  
DEPARTMENT***

***REPORT NO. 25-10***

***HANOVER PARK WATER RECLAMATION PLANT***

***FISCHER FARM MONITORING REPORT***

***FOR FOURTH QUARTER 2024:***

***SPECIAL CONDITION 5***

***May 2025***

## Protecting Our Water Environment



### Metropolitan Water Reclamation District of Greater Chicago

CECIL LUE-HING RESEARCH AND DEVELOPMENT COMPLEX  
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Director of Monitoring and Research

January 28, 2025

Illinois Environmental Protection Agency  
Bureau of Water  
Compliance Assurance Section #19  
2520 W. Iles Ave  
P.O. Box 19276  
Springfield, IL 62794-9276

Dear Sir or Madam:

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 2024

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for October, November, and December 2024, 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 2024, 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 0.18, 7.34, and 1.73 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 2024.

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

cc: 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

***Metropolitan Water Reclamation District of Greater Chicago***

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**HANOVER PARK WATER RECLAMATION PLANT  
FISCHER FARM MONITORING REPORT  
FOR FOURTH QUARTER 2024:  
SPECIAL CONDITION 5**

**By**

**Benjamin Morgan  
Environmental Soil Scientist**

**Albert Cox  
Environmental Monitoring and Research Manager**

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 2024

Date	Sump	NH <sub>3</sub> -N	TSS <sup>1</sup>	BOD <sub>5</sub>
			-----mg L <sup>-1</sup> -----	
10/02/24	East	139.45	8	11
10/02/24	West	79.59	13	15
10/22/24	East	191.74	10	19
10/22/24	West	194.72	36	81
11/05/24	East	173.20	7	15
11/05/24	West	135.73	11	37
11/19/24	East	14.38	27	34
11/19/24	West	11.60	24	21
12/03/24	East	14.36	3	6
12/03/24	West	1.39	<2	4
12/31/24	East	3.58	16	13
12/31/24	West	2.90	6	8

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

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

