

*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***MONITORING AND RESEARCH  
DEPARTMENT***

***REPORT NO. 23-41***

***HANOVER PARK WATER RECLAMATION PLANT***

***FISCHER FARM MONITORING REPORT***

***FOR THIRD QUARTER 2023:***

***SPECIAL CONDITION 5***

***October 2023***

# 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

October 23, 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 July, August,  
and September 2023

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for July, August, and September 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 July, August, and September 2023, 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 1.7, 0.29, and 3.9 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 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 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

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

Date	Sump	NH <sub>3</sub> -N	TSS <sup>1</sup>	BOD <sub>5</sub>
			-----mg L <sup>-1</sup> -----	
07/11/23	East	25	4	11
07/11/23	West	<0.30	6	6
07/26/23	East	42	5	19
07/26/23	West	0.67	8	10
08/15/23	East	75	54	27
08/15/23	West	<0.30	7	<2
09/05/23	East	247	38	53
09/05/23	West	<0.30	4	<2
09/20/23	East	60	30	18
09/20/23	West	13	10	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

