

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 22-24

HANOVER PARK WATER RECLAMATION

PLANT FISCHER FARM MONITORING

REPORT FOR SECOND QUARTER 2022:

SPECIAL CONDITION 5

July 2022

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Metropolitan Water Reclamation District of Greater Chicago

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

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

July 20, 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 April, May, and
June 2022

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for April, May, and June 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 April, May, and June 2022, and data for these samples are presented in [Table 1](#). The volumes of drainage water returned to the WRP during the second quarter were estimated as 35.2, 19.2, and 1.15 million gallons in April, May, and June, 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 April, May, and June 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

Metropolitan Water Reclamation District of Greater Chicago
100 East Erie Street Chicago, Illinois 60611-2803 (312) 751-5600

**HANOVER PARK WATER RECLAMATION
PLANT FISCHER FARM MONITORING
REPORT FOR SECOND 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 APRIL, MAY, AND JUNE 2022

Date	Sump	NH ₃ -N	TSS ¹	BOD ₅
			-----mg L ⁻¹ -----	
04/05/22	East	4.9	8	3
04/05/22	West	3.5	4	3
04/20/22	East	422	68	198
04/20/22	West	203	39	103
05/03/22	East	2.2	115	13
05/03/22	West	0.73	14	4
05/23/22	East	19	3	<2
05/23/22	West	7.2	5	3
06/07/22	East	40	6	NRR ²
06/07/22	West	20	6	NRR
06/21/22	East	50	4	6
06/21/22	West	43	6	9
06/28/22	East	119	48	66
06/28/22	West	80	35	39

¹Total suspended solids.

²No reportable results. Laboratory quality assurance/quality control sample failed 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

