

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 23-37

HANOVER PARK WATER RECLAMATION PLANT

FISCHER FARM MONITORING REPORT

FOR SECOND QUARTER 2023:

SPECIAL CONDITION 5

October 2023

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CECIL LUE-HING RESEARCH AND DEVELOPMENT COMPLEX
6001 West Pershing Road Cicero, Illinois 60804-4112

July 24, 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 April, May, and
June 2023

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for April, May, and June 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 April, May, and June 2023, 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 22.1, 0.6, and 2.7 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 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:BM: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

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**HANOVER PARK WATER RECLAMATION PLANT
FISCHER FARM MONITORING REPORT
FOR SECOND 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 APRIL, MAY, AND JUNE 2023

Date	Sump	NH ₃ -N	TSS ¹	BOD ₅
-----mg L-----				
04/05/23	East	151	41	74
04/05/23	West	0.42	29	NRR ²
04/18/23	East	86	16	49
04/18/23	West	89	18	52
04/25/23	East	411	66	135
04/25/23	West	1.1	2	<2
05/02/23	East	156	44	83
05/02/23	West	0.61	4	3
05/16/23	East	NA ³	6	NRR
05/16/23	West	NA	<2	<2
05/30/23	East	38	5	17
05/30/23	West	<0.30	4	<2
06/13/23	East	<0.30	5	<2
06/13/23	West	43	7	6
06/27/23	East	16	33	59
06/27/23	West	93	28	54

¹Total suspended solids.

²No reportable results. Laboratory quality assurance/quality control failed and samples could not be reanalyzed due to holding time requirement.

³Not analyzed because preservation did not meet method requirements.

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

