

*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***MONITORING AND RESEARCH  
DEPARTMENT***

***REPORT NO. 25-16***

***HANOVER PARK WATER RECLAMATION PLANT***

***FISCHER FARM MONITORING REPORT***

***FOR FIRST QUARTER 2025:***

***SPECIAL CONDITION 2***

***May 2025***



**Metropolitan Water Reclamation District of Greater Chicago**

CECIL LUE-HING RESEARCH AND DEVELOPMENT COMPLEX  
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April 21, 2025

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

Dear Mr. Ruyle:

Subject: Hanover Park Water Reclamation Plant – Illinois Environmental Protection Agency  
Permit No. 2022-SC-66896, Special Condition 2 Monitoring Report for January,  
February, and March 2025

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for January, February, and March 2025, as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2022-SC-66896, Special Condition 2. Analytical data for well water samples collected during the quarter are presented in Table 1.

Since implementing management practices to reduce the loading in adjacent lagoons and stop all applications of supernatant and biosolids in the closest farm field (Field 7),  $\text{NH}_3\text{-N}$  plus  $\text{NO}_2^- + \text{NO}_3^- \text{-N}$  in Well 7 has decreased to low levels. We will continue to implement these practices and evaluate this trend. The data reported are as follows:

The data reported are as follows:

Table 1 Analysis of Water From Monitoring Wells W-5, W-6, W-7, and W-8 at the Hanover Park Fischer Farm Site Sampled on March 4, 2025.

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. 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**  
100 East Erie Street Chicago, Illinois 60611-2803 (312) 751-5600

**HANOVER PARK WATER RECLAMATION PLANT  
FISCHER FARM MONITORING REPORT  
FOR FIRST QUARTER 2025:  
SPECIAL CONDITION 2**

**By**

**Benjamin Morgan  
Environmental Soil Scientist**

**Albert Cox  
Environmental Monitoring and Research Manager**

TABLE 1: ANALYSIS OF WATER FROM MONITORING WELLS W-5, W-6, W-7, AND W-8  
AT THE HANOVER PARK FISCHER FARM SITE SAMPLED ON MARCH 4, 2025

Parameter	Unit	W-5	W-6	W-7	W-8
pH <sup>1</sup>		7.9	7.8	7.9	7.8
EC	mS m <sup>-1</sup>	78	79	79	79
Cl <sup>-</sup>	mg L <sup>-1</sup>	19	22	155	22
SO <sub>4</sub> <sup>2-</sup>	"	98	116	40	116
Alkalinity as CaCO <sub>3</sub>	"	314	292	102	292
TKN	"	<1.00	<1.00	1.27	<1.00
NH <sub>3</sub> -N	"	0.372	0.321	<0.300	0.344
NO <sub>2</sub> <sup>-</sup> +NO <sub>3</sub> <sup>-</sup> -N	"	<0.500	<0.500	0.995	<0.500
Total P	"	<0.150	<0.150	0.884	<0.150
Cd	"	<0.002	<0.002	<0.002	<0.002
Cr	"	<0.004	<0.004	0.009	<0.004
Cu	"	0.002	0.016	0.011	0.024
Fe	"	1.70	6.76	26.1	11.00
Mn	"	0.019	0.058	0.817	0.087
Ni	"	<0.002	<0.002	0.010	0.002
Zn	"	<0.010	<0.010	0.164	<0.010

<sup>1</sup>pH was measured beyond 15-minute holding time.

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

