

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 26-03

HANOVER PARK WATER RECLAMATION PLANT

FISCHER FARM MONITORING REPORT FOR

FOURTH QUARTER 2025:

SPECIAL CONDITION 2

January 2026

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January 22, 2026

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
October, November, and December 2025

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant Fischer Farm site for October, November, and December 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:

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 October 14, 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 Cox, Ph.D.
Environmental Monitoring and Research Manager
Monitoring and Research Department

AC:lf

Attachment

cc: Mr. T. Bennett, IEPA/Mr. B. Fleming, IEPA
R. Ng, IEPA/J. Lienemann, IEPA
Mr. J. Chavich/ Mr. B. Kaunelis
Mr. P. Desai/Dr. H. Zhang

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**HANOVER PARK WATER RECLAMATION PLANT
FISCHER FARM MONITORING REPORT FOR
FOURTH 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 OCTOBER 14, 2025

	Unit	W-5	W-6	W-7	W-8
pH ¹		7.7	7.8	8.3	8.4
EC	mS m ⁻¹	75	76	41	55
Cl ⁻	mg L ⁻¹	19	17	35	10
SO ₄ ²⁻	"	95	113	24	54
Alkalinity as CaCO ₃	"	308	295	136	250
TKN	"	<1.0	<1.0	1.2	<1.0
NH ₃ -N	"	<0.30	0.32	0.38	0.43
NO ₂ ⁻ +NO ₃ ⁻ -N	"	<0.50	<0.50	<0.50	<0.50
Total P	"	<0.15	<0.15	<0.15	<0.15
Cd	"	<0.002	<0.002	<0.002	<0.002
Cr	"	<0.004	<0.004	<0.004	<0.004
Cu	"	0.029	0.051	0.005	<0.020
Fe	"	5.37	17.4	2.58	0.928
Mn	"	0.053	0.109	0.139	0.013
Ni	"	<0.002	0.002	0.007	<0.002
Zn	"	0.016	0.018	0.078	<0.010

¹pH 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

