Protecting Our Water Environment

Metropolitan Water Reclamation District of Greater Chicago

MONITORING AND RESEARCH DEPARTMENT

REPORT NO. 26-28

HANOVER PARK WATER RECLAMATION PLANT

FISCHER FARM MONITORING REPORT

FOR SECOND QUARTER 2026: SPECIAL CONDITION 2

July 2026

Protecting Our Water Environment

Metropolitan Water Reclamation District of Greater Chicago

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July 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 April, May, and June 2026

The attached table contains the monitoring data for the Hanover Park Water Reclamation Plant Fischer Farm site for April, May, and June 2026, 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), NH_3-N plus NO_2^-+NO_3^--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 June 2, 2026.

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

Albert Cox, Ph.D.
Environmental Monitoring and Research Manager
Monitoring and Research Department

AC:lf
Attachment
cc: Mr. T. Bennett, IEPA
R. Ng, IEPA/J. Lienemann, IEPA
Mr. K. Middleton, USEPA, Region 5
Mr. J. Chavich/Mr. B. Kaunelis
Ms. L. Oduocha/Dr. H. Zhang

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HANOVER PARK WATER RECLAMATION PLANT FISCHER FARM MONITORING REPORT FOR SECOND QUARTER 2026: SPECIAL CONDITION 2

By

Benjamin Morgan
Environmental Soil Scientist

Albert Cox
Environmental Monitoring and Research Manager

Monitoring and Research Department
Edward W. Podczerwinski, Director **July 2026**

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 JUNE 2, 2026

	Unit	W-5	W-6	W-7	W-8
pH		7.7	7.9	7.9	7.8
EC	mS m^{-1}	75	77	78	54
Cl^-	mg L^{-1}	19	24	76	11
SO_4^{2-}	"	99	120	80	49
Alkalinity as $CaCO_3$	"	314	295	230	250
TKN	"	<1.0	<1.0	3.0	<1.0
NH_3-N	"	0.32	0.33	1.95	0.43
NO_2^-+NO_3^--N	"	<0.50	<0.50	<0.50	<0.50
Total P	"	<0.15	<0.15	0.37	<0.15
Cd	"	<0.002	<0.002	<0.002	<0.002
Cr	"	<0.004	<0.004	0.004	<0.004
Cu	"	0.020	0.017	0.006	0.013
Fe	"	4.19	5.68	10.1	1.80
Mn	"	0.042	0.056	0.357	0.017
Ni	"	<0.002	<0.002	0.009	<0.002
Zn	"	0.015	0.015	0.096	0.021
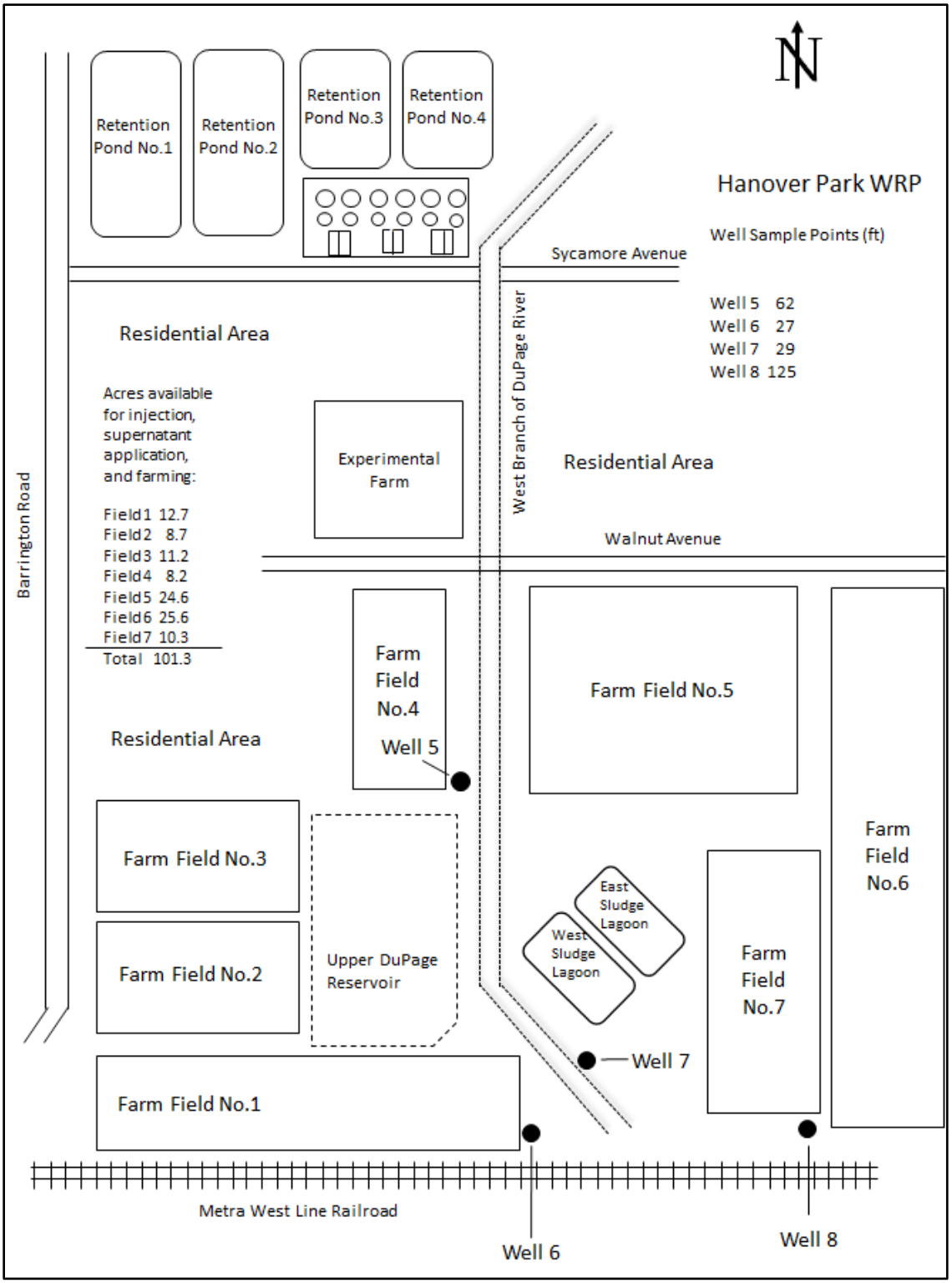
FIGURE 1: MAP OF FIELDS AND WELLS AT THE HANOVER PARK FISCHER FARM SITE OF THE METROPOLITAN WATER RECLAMATION DISTRICT OF GREATER CHICAGO