

Protecting Our Water Environment



Metropolitan Water Reclamation District of Greater Chicago

***MONITORING AND RESEARCH
DEPARTMENT***

REPORT NO. 23-05

HANOVER PARK WATER RECLAMATION PLANT

FISCHER FARM MONITORING REPORT

FOR FOURTH QUARTER 2022:

SPECIAL CONDITION 6

January 2023

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Director of Monitoring and Research

January 18, 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 6 Monitoring Report for October,
November, and December 2022

This report contains the monitoring data for the Hanover Park Water Reclamation Plant (WRP) Fischer Farm site for October, November, and December 2022, as required by Illinois Environmental Protection Agency (IEPA) Operating Permit No. 2022-SC-66896, Special Condition 6. The volumes of lagoon supernatant and liquid biosolids applied to the Hanover Park WRP Fischer Farm site during October and November 2022, and the associated dry weights of biosolids applied, are shown in [Table 1](#). The analytical data for lagoon supernatant and liquid biosolids applied to Fischer Farm fields in the fourth quarter are reported separately, as required by Permit No. 2022-SC-66896, Special Condition 4. For the next growing season (2023), corn (*Zea mays*) is expected to be grown in all application areas except Farm Field Number 7 because no biosolids will be applied to that field.

The data reported are as follows:

[Table 1](#): Volumes and Dry Weights of Lagoon Supernatant and Liquid Biosolids Applied to Fields During October and November 2022 at the Hanover Park Fischer Farm Site

[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

cc: Mr. J. Patel, Manager, IEPA – Des Plaines
Mr. T. Bennett, IEPA
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**HANOVER PARK WATER RECLAMATION PLANT
FISCHER FARM MONITORING REPORT
FOR FOURTH QUARTER 2022:
SPECIAL CONDITION 6**

TABLE 1: VOLUMES AND DRY WEIGHTS OF LAGOON SUPERNATANT AND LIQUID BIOSOLIDS APPLIED TO FIELDS¹ DURING OCTOBER AND NOVEMBER 2022 AT THE HANOVER PARK FISCHER FARM SITE

Field	Date	Biosolids Type	Volume (Gallons)	Dry Weight (Tons)
5	10/12/22	Supernatant	580,000	3.87
1	10/13/22	Supernatant	480,000	3.20
3	11/02/22	Biosolids	1,080,000	103.13
2	11/03/22	Biosolids	990,000	104.15
1	11/04/22	Biosolids	1,350,000	158.75
5	11/05/22	Biosolids	1,350,000	162.69
5	11/06/22	Biosolids	1,350,000	158.75
6	11/07/22	Biosolids	1,350,000	157.63
6	11/08/22	Biosolids	1,350,000	158.19
6	11/09/22	Biosolids	180,000	21.09
Total			10,060,000	1,031.75

¹All fields that received biosolids applications were used for cultivating corn (*Zea mays*).

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

