

*Protecting Our Water Environment*



*Metropolitan Water Reclamation District of Greater Chicago*

***MONITORING AND RESEARCH  
DEPARTMENT***

*REPORT NO. 09-03*

*HANOVER PARK WATER RECLAMATION PLANT*

*FISCHER FARM MONITORING REPORT FOR*

*THIRD QUARTER 2009*

*JANUARY 2009*

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January 9, 2009

Mr. S. Allan Keller, P.E.  
Manager, Permit Section  
Illinois Environmental Protection Agency  
1021 North Grand Avenue East  
P.O. Box 19276  
Springfield, IL 62794-9276

Dear Mr. Keller:

Subject: Hanover Park Water Reclamation Plant, IEPA Permit No. 2007-SC-2951, Monitoring Report for July, August, and September 2008

The attached report includes eight tables of the monitoring results for the Hanover Park Water Reclamation Plant Fischer Farm site for the third quarter of 2008.

Very truly yours,

Louis Kollias  
Director  
Monitoring and Research

LK:PL:kq

Enclosure

cc: Mr. Jay Patel, Manager, IEPA Region II – Des Plaines  
Mr. Valdis Aistars, USEPA, Region V  
Mr. Ash Sajjad, USEPA, Region V  
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**HANOVER PARK WATER RECLAMATION PLANT  
FISCHER FARM MONITORING REPORT**

**THIRD QUARTER 2008**

**Research and Development  
P. Lindo  
A. Cox**

**JANUARY 2009**

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## FOREWORD

The data and information in this report fulfill the frequency of monitoring and the reporting requirements for the Hanover Park Fischer Farm Site as specified in the Illinois Environmental Protection Agency Permit No. 2007-SC-2951 for the third quarter of 2008.

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## ACKNOWLEDGEMENT

The assistance given by Ms. Minaxi Patel, Sanitary Chemist I, of the Environmental Monitoring and Research Division, and Mr. John Chavich, Sanitary Chemist IV, of the John E. Egan Analytical Laboratory Section, is greatly appreciated.

## DISCLAIMER

Mention of proprietary equipment and chemicals in this report does not constitute endorsement by the Metropolitan Water Reclamation District of Greater Chicago.



## HANOVER PARK WATER RECLAMATION PLANT FISCHER FARM REPORT FOR THIRD QUARTER OF 2008

During July, August, and September 2008, activities at the Hanover Park Water Reclamation Plant (WRP) Fischer Farm included well and field drainage water sampling, and flow measurements. These monitoring activities are required by the Illinois Environmental Protection Agency Operating Permit No. 2007-SC-2951. Fields and water monitoring locations are presented in Figure 1.

Water from each of the six monitoring wells was sampled twice monthly in July, August, and September. However, no sample was obtained from well 5 on July 1. Analytical data for samples collected during the quarter are presented in Tables 1 through 6. Samples collected on July 1 and 22 and September 23 from Wells 1, 6, 7, and 8 contained elevated fecal coliform counts. Such occurrences are generally temporary, and associated with an increase in geese activity in the vicinity of the wells.

Drainage water (combined surface and subsurface) returned to the Hanover Park WRP from the farm fields was sampled twice per month in July, August, and September. Analytical data for these samples are presented in Table 7. The volumes of drainage water returned to the WRP during the third quarter were estimated as 4.52, 4.41, 28.65 million gallons in July, August, and September, respectively. The analytical data for the lagoon supernatant applied to Fischer Farm fields during the quarter are presented in Table 8. The volumes and dry weights applied are reported in Table 9.

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



