

**Environmental
Protection Agency**

**Governor
Lt. Governor
Director**

October 21, 2011

RE: TRUMBULL COUNTY
HARTFORD TOWNSHIP
MEADOWBROOK MANOR NURSING HOME
WWTP INSPECTION
(NPDES PERMIT 3PR00250)

Ms. Deborah Ifft
Meadowbrook Manor Nursing Home
3090 Five Points Hartford Rd.
Fowler, OH 44418

Dear Ms. Ifft:

On October 5, 2011, this writer conducted a Compliance Evaluation Inspection (CEI) on the Meadowbrook Manor Nursing Home wastewater treatment plant (WWTP), located at 3090 Five Points Hartford Road, Hartford Township.

The purpose of the inspection was to evaluate the WWTP operation and maintenance, as well as the facility's compliance with its NPDES Permit effluent limits. The previous CEI conducted on the WWTP was August 25, 2010.

At the time of the October 5th inspection, the following observations were made:

- 1) The trash trap contents were typical. However, one of the concrete lids for the opening in the trash trap was missing and in need of replacement.
- 2) Flow equalization tank contents were being well aerated, and were turbid gray in color. Equalization tank pumps used to dose the aeration tank were in the 'AUTO' mode, and operated properly when manually tested.
- 3) Contents of the extended aeration tank were medium brown in color, were well aerated, and contained no foam. There was no odor present in the area of the WWTP. The return activated sludge (RAS) line was returning a lighter brown liquid to the aeration tank.
- 4) The settling tank contents were clear, and the skimmer was properly adjusted, returning clear liquid to the aeration tank. The settling tank effluent trough contained some solids, and was in need of cleaning.

- 5) Both of the surface sand filter dosing station pumps were set on 'AUTO', and operated properly when tested manually. The dosing station electrical control box also contained a pump usage totalizer.
- 6) The southern-most surface sand filter cell was in use, and contained ponded water. The three remaining cells were solids and vegetation free. Dosing pipes from the splitter box to the splash pads were disconnected, and laying in the filter cells.
- 7) The fixed media tank was operational, with north side being used.
- 8) The sludge holding tank was being aerated, and was approximately 3/4 full of medium brown sludge.
- 9) Treated effluent is disinfected using tablet chlorination and dechlorination. Both units contained tablets, and were properly capped.
- 10) Effluent being discharged from the WWTP was visually clear and free of solids.

A review of the electronic Discharge Monitoring Reports (eDMR's) submitted for the WWTP for the period of September 1, 2010 through October 1, 2011, found the following effluent limit violations for the facility:

MEADOWBROOK MANOR NURSING HOME
NUMERIC EFFLUENT VIOLATIONS
NPDES PERMIT 3PR00250
(SEP. 1, 2010 – OCT. 1, 2011)

Reporting Period	Parameter	Limit Type	Limit	Reported Value	Violation Date
March 2011	Total Suspended Solids	7D Conc	18	24.	3/1/2011
March 2011	Total Suspended Solids	30D Qty	0.41	.47691	3/1/2011
March 2011	Total Suspended Solids	30D Conc	12	24.	3/1/2011

** No Frequency or Reporting Code Violations

Based upon results of the October 5th inspection, the following items need to be addressed:

- 1) The settling tank effluent trough should have the solids removed and be kept clean.

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- 2) The sand filter dosing pipes, from the splitter box to the splash pads, should be reconnected in the three cells where they are disconnected.

If there are any comments or questions about this document, you may contact me at (330) 963-1110.

Respectfully,



Charles E. Allen
Environmental Engineer
Division of Surface Water

CEA:bo

pc: Trumbull County Health Dept.