Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

July 17, 2012

RE: GEAUGA COUNTY
MANCHESTER FARMS WATER
COMMUNITY WATER SYSTEM
PWS ID #OH2801712

Ms. Andrea Petkosek
7475 Devon Lane
Chesterland, OH 44026

SUBJECT: NOTICE OF VIOLATION OF THE CHLORINE RESIDUAL

Dear Ms. Petkosek:

This office has received the monthly operating reports (MOR form 5002) for April and May 2012 from the Manchester Farms Public Water System. The MOR is provided as a means to relay compliance information about the operation of the water treatment plant. Operational monitoring is conducted throughout the month to test the treatment effectiveness of the water plant. Since Manchester Farms Water treats its water by chlorine injection (disinfection), you are required to conduct monitoring for chlorine residuals.

Chlorine Violation: Please note the following violation:

- At least one sample each day is required to be analyzed for free chlorine or combined chlorine at the entry point and in distribution (OAC Rule 3745-83-01(F)(2)(a). In accordance with Ohio Administrative Code (OAC) 3745-83-01(C)(1), free chlorine residual must remain above 0.2 mg/L or combined chlorine must be above 1.0 mg/L in the distribution system in accordance with OAC 3745-83-01(C)(1).

  In the April and May 2012 monthly operating reports, the free chlorine levels were below 0.2 mg/L and the combined chlorine residual was below 1.0 mg/L a total of 13 days in each month. **Free chlorine residuals must remain above 0.2 mg/L or combined chlorine residual must remain above 1.0 mg/L** in accordance with the regulations, and for proper disinfection to occur.

Manganese Violation: Please note the following violation:

In accordance with Ohio Administrative Code (OAC) 3745-82-02, plant tap manganese levels must remain at or below the secondary MCL of 0.05 mg/L at all times.

Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087-1924

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Manganese levels were reported as summarized in the following table:

Sample Collection Date	Manganese Results in mg/L (MCL = 0.05 mg/L)
May 23, 2012	0.16

This most recent manganese level may indicate that the equipment is not operating effectively and should be adjusted immediately.

Iron and Manganese Violations: Please note the following violations:

Iron and manganese levels were not reported in April 2012 in accordance with OAC Rule 3745-83-01(F)(5) and (6). If this sample was taken, please update the April 2012 report with the values.

New Iron and Manganese Operational Regulations. Please also be advised that new Operational Regulations (3745-83-01) have been issued and became effective April 19, 2012. **Manchester Farms is now required to sample for iron and manganese weekly** using either:

1. An in-house test kit with one monthly split sample analyzed by a state certified laboratory, **or**

2. A state-certified laboratory.

If you have any questions regarding this correspondence, or if you need any assistance, please contact me at (330) 963-1149 or at my e-mail address, Kathy.metropulos@epa.state.oh.us.

Sincerely,

Kathy Metropulos

Kathy Metropulos
Environmental Specialist
Division of Drinking and Ground Waters

KM:ds

pc: Geauga County Health Department
Glenn Elliott, P.O. Box 206, Novelty, OH 44072