



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

November 1, 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
NOTICE OF VIOLATION IRON AND MANGANESE SAMPLING
NOTICE OF VIOLATION FOR MANGANESE MCL**

Dear Ms. Petkosek:

This office has received the monthly operating reports (*MOR Form 5002*) for August and September 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 August 2012 monthly operating report, the free chlorine levels were below 0.2 mg/L and the combined chlorine residual was below 1.0 mg/L four days. In the September 2012 monthly operating report, the free chlorine levels were below 0.2 mg/L and the combined chlorine residual was below 1.0 mg/L a total of seven days. **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.

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 must 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.

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.

Manganese levels were reported as summarized in the following table:

Sample Collection Date	Manganese Results in mg/L (MCL = 0.05 mg/L)
August 23, 2012	0.06

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

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
Environmental Specialist
Division of Drinking and Ground Waters

KM:ds

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