

**Environmental
Protection Agency****Governor
Lt. Governor
Director**

September 30, 2011

RE: GEAUGA COUNTY
MANCHESTER FARMS WATER
COMMUNITY WATER SYSTEM
PWS ID #2801712Ms. Andrea Petkosek
7475 Devon Lane
Chesterland, OH 44026

SUBJECT: NOTICE OF VIOLATION OF THE CHLORINE RESIDUAL

Dear Ms. Petkosek:

On September 10, 2011, this office received the August, 2011 Monthly Operating Report (MOR form 5002) from Manchester Farms Water. 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.

Please note the following violations:

At least one sample each day is required by OAC Rule for free chlorine and combined chlorine is required to be analyzed. In accordance with Ohio Administrative Code (OAC) 3745-83-01(G)(1) and (2). 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). Chlorine must also remain below the MRDL of 4.0 mg/L in accordance with OAC Rule 3745-81-10(C). On August 6, 2011, the chlorine value at the plant tap was 4.56, which is over the required 4.0 mg/L.

MANCHESTER FARMS WATER
SEPTEMBER 30, 2011
PAGE 2 OF 2

In the August 2011 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 24 days. **Free chlorine residual 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. At the current levels reported in the August 2011 monthly operating report, it cannot be guaranteed that the water is being properly disinfected, and that potential pathogens are being inactivated. **The chlorine feed equipment must be adjusted immediately to insure disinfection of the water served to customers.**

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
Dave Evans, Ohio EPA, DDAGW-CO
Glenn Elliott, P.O. Box 206, Novelty, OH 44072