



**Environmental
Protection Agency**

John E. Kasich, Governor

Mark Taylor, Lt. Governor

Robert J. Naty, Director

December 27, 2011

RE: GEAUGA COUNTY
MANCHESTER FARMS WATER
COMMUNITY WATER SYSTEM
PWS ID #2801712

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 October and November 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.

Please note the following violation:

- At least one sample each day is required to be analyzed for free chlorine and combined chlorine. This is required by the Ohio Administrative Code. 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).

In the October 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 14 days. In the November 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 16 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.

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In a phone conversation on October 11, 2011, Glenn Elliott reported that chlorine residuals were taken at a residence that had a filter, and that in the future, chlorine residuals would be sampled at a different residence. **Any tap that does not give an accurate chlorine residual reading must not be used to take the chlorine residual.** Please make sure that the tap being used does not have additional filters that would remove chlorine. Please continue to take samples at an acceptable sampling location, so that accurate and acceptable chlorine residuals are recorded and maintained.

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