



State of Ohio Environmenta



Northeast District Office

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2110 East Aurora Rd.  
Twinsburg, Ohio 44087

TELE: (330) 963-1200 FAX: (330) 487-0769  
www.epa.state.oh.us

Ted Strickland, Governor  
Lee Fisher, Lieutenant Governor  
Chris Korleski, Director

January 22, 2009

RE: CROWN HILL MANOR  
COMMUNITY WATER SYSTEM  
PWS ID # OH8561412  
STU ID # 8561137

Mr. Arthur Shoup  
Crown Hill Manor  
9652 Akron Rd.  
Rittman, OH 44691

Dear Mr. Shoup:

On January 9, 2009, this office received the December 2008 Plant-Distribution Monthly Operating Report (MOR form 5002) from Crown Hill Manor. Operational monitoring is conducted throughout the month to test the treatment effectiveness of the water plant. Since Crown Hill Manor treats its water by potassium permanganate injection for manganese green sand filtration (iron and manganese removal), ion exchange softening (hardness removal), and chlorine (disinfection) injection, you are required to conduct monitoring for iron, manganese, hardness, and chlorine residual.

Please note the following violation:

- OAC Section 3745-83-02 requires all community and major non-community water systems to maintain a minimum chlorine residual of at least 0.2 milligram per liter (mg/L) free chlorine, or 1.0 mg/L combined chlorine, measured at representative points throughout the distribution system. According to the December 2008 MOR, free chlorine residuals were recorded as less than 0.2 mg/L, and combined chlorine was less than 1.0 mg/L, on six days in December 2008. It is unknown at this time whether the chlorine levels have returned to an adequate range. Please have the feed pump and solution mix adjusted to obtain an optimum free chlorine residual at all times. And when collecting your chlorine residual samples, be sure to collect samples from representative points throughout distribution.

If you have any questions regarding this correspondence, or if you need any assistance, please contact me at (330) 963-1194 or at my e-mail address, [beth.madis@epa.state.oh.us](mailto:beth.madis@epa.state.oh.us).

Sincerely,

Beth R. Madis  
Environmental Specialist  
Division of Drinking and Ground Waters

BRM/ams

cc: Wayne County Health Department  
Dave Evans, Ohio EPA, Central Office, DDAGW  
Rick Jackson