



**Environmental  
Protection Agency**

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



July 1, 2011

**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 June 7, 2011, this office received the May 2011 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) and chlorine injection (disinfection), you are required to conduct monitoring for iron, manganese, and chlorine residual.

Please note the following violation:

At least one sample each month for iron and manganese is required to be analyzed by a certified laboratory. In accordance with Ohio Administrative Code (OAC) 3745-82-02, plant tap iron levels must remain at or below the secondary maximum contaminant level (MCL) of 0.3 milligram per liter (mg/L) at all times. Plant tap manganese levels must remain at or below the secondary MCL of 0.05 mg/L at all times.

On the May 2011 MOR, the iron and manganese levels were reported as summarized in the following table:

Sample Collection Date	Iron Results in mg/L	Manganese Results in mg/L
May 20, 2011	0.08	0.17

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

As we understand, your operator has been working to fix the programming on the greensand filter system in order to solve this problem. Please keep this office informed of your progress.

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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,

A handwritten signature in cursive script that reads "Beth R Madis".

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

BRM/ams

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