



State of Ohio Enviro
Northeast

OH1038311 MWCD-ATWOOD RESORT

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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 9, 2009

RE: CARROLL COUNTY
ATWOOD LAKE - RESORT
NTNC WATER SYSTEM
PWS ID# OH1038311

ATWOOD LAKE - PARK
TNC WATER SYSTEM
PWS ID# OH1038411

Mr. Boris Slogar, P.E.
Chief Engineer
Muskingum Watershed Conservancy District
1319 Third St.
P.O. Box 349
New Philadelphia, OH 44663

Dear Mr. Slogar:

Notice of Violations

- 1) Failure to conduct individual filter turbidity grab sampling (Park)
- 2) Failure to conduct combined filter effluent turbidity sampling (Resort)
- 3) Failure to conduct entry point pH sampling (Park)
- 4) Failure to maintain 0.2 mg/L free chlorine residual in distribution system (Park)

1) NOTICE OF VIOLATION - FAILURE TO CONDUCT INDIVIDUAL FILTER TURBIDITY GRAB SAMPLING

The Atwood Lake Park public water system is in violation of Ohio Revised Code Chapter 6109 by failing to comply with the requirements for monitoring of individual filter turbidity in accordance with the Ohio Administrative Code (OAC) rule 3745-81-74.

According to the OAC rule 3745-81-74 (B) (1) and (2), a public water system shall conduct continuous monitoring of turbidity for each individual filter. If there is a failure in the continuous turbidity monitoring equipment, the public water system shall conduct grab sampling of the filter turbidity every four hours in lieu of continuous monitoring, until the continuous turbidity monitoring equipment is repaired and placed back online.

The Atwood Lake Park water system failed to perform grab sampling of the individual filter turbidity on November 23rd, 2008 when there was a failure in the continuous individual filter turbidity monitoring equipment.

It is noted that the continuous individual filter turbidity monitoring equipment failed at the Atwood Lake Resort water system on November 12th, 13th, 19th and 25th, 2008. Because the Resort has only one filter and because the CFE turbidity is collected prior to the clearwell, it automatically satisfies the temporary, grab sampling that would have to be conducted for IFE turbidity in the event of equipment malfunction. Therefore, there was no violation at the Resort.

Failure to meet the requirement of OAC rule 3745-81-74 (B)(2) is a monitoring violation for which public notification is required.

Actions required as a result of the above violation

Step 1: **Within 30 days** issue the attached public notice in accordance with rule 3745-81-32 (D) of the Ohio Administrative Code by the following methods:

- Posting the notice in conspicuous locations through the distribution system frequented by persons served by the system. If the public notice is posted, the notice shall remain in place for as long as the violation persists, but in no case less than seven days (even if the violation or situation is resolved). or;
- Direct delivery to each customer, or;
- Any other method reasonably calculated to reach other persons served by the system, if they would not normally be reached by posting a public notice or direct delivery. Such persons may include those who may not see a posted notice because the notice is not in a location they routinely pass

The language in italics on the attached public notice is mandatory and must be included as written.

Step 2: **Within 10 days** of completing the public notification described in step 1, above, submit a completed verification form indicating compliance with the public notification requirements. A representative copy of the public notice must be included with this certification. A verification form is included with this letter.

2) NOTICE OF VIOLATION - FAILURE TO CONDUCT COMBINED FILTER EFFLUENT TURBIDITY SAMPLING

The Atwood Lake Resort public water system is in violation of Ohio Revised Code chapter 6109 by failing to comply with the requirements for monitoring of combined filter effluent turbidity in accordance with the Ohio Administrative Code (OAC) rule 3745-81-74 (A).

According to the OAC rule 3745-81-74 (A), turbidity measurements shall be performed on representative samples of filtered water at least every four hours that the water treatment plant is in operation. If using grab sampling for turbidity monitoring, samples shall be obtained within the first and last hours of filter operation and at least every four hours in between.

The Atwood Lake Resort water system failed to collect an adequate number of combined effluent filter turbidity samples on November 1st, 2008. Between October 31st and November 1st the water plant was operated for five contiguous hours (10:00 pm – 3:00 am), and only one sample was collected (a minimum of two were required).

Failure to meet the requirement of OAC rule 3745-81-74 (A) is a monitoring violation for which public notification is required.

Actions required as a result of the above violation

Step 1: **Within 30 days** issue the attached public notice of the violation in accordance with rule 3745-81-32 of the Ohio Administrative Code by the following methods:

- Posting the notice in conspicuous locations through the distribution system frequented by persons served by the system. If the public notice is posted, the notice shall remain in place for as long as the violation persists, but in no case less than seven days (even if the violation or situation is resolved). or;
- Direct delivery to each customer, or;
- Any other method reasonably calculated to reach other persons served by the system, if they would not normally be reached by posting a public notice or direct delivery. Such persons may include those who may not see a posted notice because the notice is not in a location they routinely pass.

The language in italics on the attached public notice is mandatory and must be included as written.

Step 2: **Within 10 days** of completing the public notification described in step 1, above, submit a completed verification form indicating compliance with the public notification requirements. A representative copy of the public notice must be included with this certification. A verification form is included with this letter.

3) NOTICE OF VIOLATION - FAILURE TO CONDUCT ENTRY POINT PH SAMPLING

The Atwood Lake Park public water system is in violation of Ohio Revised Code Chapter 6109 by failing to monitor the pH of the disinfected water at the residual disinfectant concentration sampling point in accordance with the Ohio Administrative Code (OAC) rule 3745-81-74 (F).

According to the OAC rule 3745-81-74 (F), parameters necessary to determine the sufficiency of disinfection prior to the first customer as required in rule 3745-81-72 of the Administrative Code shall be measured and recorded at the peak hourly flow rate each day the public water system is in operation. Public water systems which do not record any or all of the parameters set forth in paragraphs (F)(1) to (F)(3) of this rule on continuously recording devices, may estimate the period at which peak hourly flow will occur from records of flow rates from previous days for that water plant. The parameters necessary to calculate the actual CT value may then be those measured during this estimated peak hourly flow period. Temperature, pH, and residual disinfection concentration shall be analyzed in accordance with the methods specified in rule 3745-81-27 of the Administrative Code.

The Atwood Lake Park water system failed to monitor the pH at the entry point on November 23rd, 2008. Note: To calculate the required CT on this day, a pH of 9 was assumed (worst case scenario). The actual CT on this day was greater than the required CT and, therefore, there was no treatment technique violation.

Failure to meet the requirement of OAC rule 3745-81-74 (F) is a monitoring violation for which public notification is required.

Actions required as a result of the above violation

Step 1: **Within 30 days** issue the attached public notice of the violation in accordance with rule 3745-81-32 of the Ohio Administrative Code by the following methods:

- Posting the notice in conspicuous locations through the distribution system frequented by persons served by the system. If the public notice is posted, the notice shall remain in place for as long as the violation persists, but in no case less than seven days (even if the violation or situation is resolved). or;
- Direct delivery to each customer, or;
- Any other method reasonably calculated to reach other persons served by the system, if they would not normally be reached by posting a public notice or direct delivery. Such persons may include those who may not see a posted notice because the notice is not in a location they routinely pass

The language in italics on the attached public notice is mandatory and must be included as written.

Step 2: **Within 10 days** of completing the public notification described in step 1, above, submit a completed verification form indicating compliance with the public notification requirements. A representative copy of the public notice must be included with this certification. A verification form is included with this letter.

4) NOTICE OF VIOLATION - FAILURE TO MAINTAIN 0.2 MG/L FREE CHLORINE RESIDUAL IN DISTRIBUTION SYSTEM

The Atwood Lake Park public water system is in violation of Ohio Revised Code chapter 6109 by failing to maintain a minimum free chlorine residual of 0.2 mg/L in the distribution system in accordance with the Ohio Administrative Code (OAC) rule 3745-83-01 (C) (1).

According to the OAC rule 3745-83-01 (C) (1), except as prescribed in rule 3745-81-72 of the Administrative Code, non-community public water systems serving a population of at least 1,000 people and all community public water systems shall maintain a minimum chlorine residual of at least two-tenths milligram per liter free chlorine, or one milligram per liter combined chlorine measured at representative points throughout the distribution system.

The Atwood Lake Park water system failed to maintain 0.2 mg/L free chlorine residual in the distribution system on November 6th, 7th, 8th, 9th, 10th and 11th, 2008.

Failure to meet the requirement of OAC rule 3745-83-01 is an operational violation for which public notification is not required.

ATWOOD LAKE – RESORT
JANUARY 9, 2009
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If you have any questions, please contact me at (330) 963-1173.

Sincerely,



David Maschak
Environmental Specialist
Division of Drinking and Ground Waters

DM:ds

enclosures

pc: Carroll County Health Department
Ken Baughman, DDAGW, CO
Kim Rhoads, Legal, CO
Brian Bisson, PE – Aqua Ohio Inc.
Bill Newsome, President – H2O Technologies LLC
Kim Ethers, DDAGW, NEDO (Two violations of Type 36; One violation of Type 38)

ec: Stivo DiFranco, DDAGW-NEDO