



**Environmental
Protection Agency**

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

January 10, 2011

RE: **WAYNE COUNTY
BLACHLEYVILLE CHURCH OF CHRIST
TRANSIENT, NON-COMMUNITY PWS
PWS ID# OH8531512
STU ID# 8559641**

CERTIFIED MAIL

The Reverend Dan Kirtlan
Blachleyville Church of Christ
8482 Blachleyville Rd.
Wooster, OH 44691

Subject: Notice of Violation For Failure To Respond To A Significant Deficiency

Dear Reverend Kirtlan:

This letter is notification that the Blachleyville Church of Christ public water system has not complied with requirements issued during this Agency's last survey performed on September 28, 2010, in violation of rule 3745-81-60 of the Ohio Administrative Code. Blachleyville Church of Christ public water system was notified in correspondence dated October 18, 2010, to respond in writing within 45 days of receipt of your letter, with time frames for the following requirements: **(A note about your compliance is shown in bold-face type following the requirements.)**

REQUIREMENT(S)

- Well Cap - During the survey, we saw that the well cap had been replaced with a new, vented, gasketed cap that meets our requirements. **However, the conduit is still not aligned properly, and a gap exists. This must be corrected immediately. Per OAC 3745-81-60(D), a responsible official of the public water system must respond, in writing, within 45 days, indicating how and on what schedule the system will address this requirement.**
- Detail Plans – OAC Chapter 3745-91 requires submission and approval of detail plans prior to the construction or installation of a PWS or for any substantial change to the PWS. Since the previous survey was conducted, there has been a substantial change to the PWS in the addition of a water softener.

Detail plans will need to be submitted for the well and water treatment equipment. Enclosed are instructions for detail plan submission. As part of the submission, we will require one each raw (prior to softening) water sample to be analyzed for iron, manganese, and hardness. Please submit the detail plans and water supply data sheet (on the reverse side of the detail plans instructions), lab results, along with the appropriate review fee, to this office within 45 days of receipt of this letter.

- Operations – You have a water softener as part of your PWS. During the survey, I noticed that the discharge line from the softener extends into the sewage discharge line. Both Recommended Standards for Water Works (2003 Edition) Section 4.4.2.9 and Guidelines for Design of Small Public Ground Water Systems (3rd Edition) Section 4.3(B)(4) cite the need for backwash discharge pipes to be installed in such a manner to prevent backsiphonage of brine waste. The discharge cannot extend into the sewer line; an air gap separation is needed. According to Ohio EPA's Backflow Prevention and Cross Connection Control guidance document, the air gap separation distance between the flood rim of the drain and the softener's discharge line should be at least twice the pipe diameter of the discharge line. This will prevent contaminated water from back-siphoning into the public water system should a vacuum occur.

RECOMMENDATION(S)

- Raw Water Tap – We recommend that a sample tap be installed upstream of the pressure tank so that a raw water sample representative of the well can be obtained. If a routine sample result should be reported as total coliform positive, and some or all of the required repeat sample results are also positive, this raw water sample will assist in determining if the bacteria is coming from the well. This sample tap should be located before the pressure tank, at a location that is easily accessible and where the sample bottle can easily be filled up. The tap should be smooth-nosed (not the type used for a hose) and produce a smooth, pencil-thin flow of reasonable velocity.

The water system must respond in writing within 15 days from the date of this letter with the required information. Failure to comply may result in further enforcement action.

If you have any questions, please contact me at (330) 963-1194.

Sincerely,



Beth Madis
Environmental Specialist
Division of Drinking and Ground Waters

BRM:dms

pc: C.O. - DDAGW/OFAS
Wayne County Health Dept.
Mark Frampton, 4940 Maple Grove Rd., Shreve, OH 44676
Will Leach, 8482 Blachleyville Rd., Wooster, OH 44691