



State of Ohio Environment



401 East Fifth Street
Dayton, Ohio 45402-2911

Southwest D
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www.epa.state.oh.us

Chris Korleski, Director

RECREATED

CERTIFIED

July 12, 2007

Re:

Logan County
Zane Shawnee Caverns
Transient Noncommunity Water System
PWS ID# 4642012

Zane Shawnee Caverns
7092 State Rte 540
Bellefontaine, OH 43311

Subject: Notice of Violation of Maximum Contaminant Level for Total Coliform Bacteria (ACUTE & Failure to Monitor with four repeat samples)

During June 2007, your public water system incurred an **acute** violation of rule 3745-81-14 (D) of the Ohio Administrative Code (OAC) and a **monitoring** violation of rule 3745-81-21 (B)(1) of the OAC for failure to collect four (4) repeat samples within the required time period.

Our records indicate that the repeat samples were not collected until July 9, 2007 which the Agency does not consider timely.

Actions required as a result of the above violation	
Step 1	<p>Within 24 hours, consult with Ohio EPA and issue the attached public notice in accordance with rule 3745-81-32 of the Ohio Administrative Code using the following methods to reach all persons served by the public water system:</p> <p>Posting in conspicuous locations (restrooms, drinking fountains, vending areas, restaurants, bulletin boards, etc.)</p> <p>The language in italics on the attached public notice is mandatory and must be included as written.</p>
Step 2	Immediately initiate an investigation to determine and eliminate the cause and extent of bacterial contamination.
Step 3	Fill out the attached verification form and send along with a copy of the public notification issued, to the Southwest District Office of the Ohio EPA.
Step 4	Lifting the Advisory - The public notice water use advisory shall remain in effect until you obtain one complete set of four (4) total coliform-negative (contain no coliforms) repeat samples. Clearly mark each repeat sample slip as "repeat sample". It is advisable to notify your customers when the problem is corrected.
Step 5	Because you are required to monitor with at least five (5) samples in the next

	month following any total coliform-positive result you must take at least five (5) total coliform samples in July 2007.
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If you have any questions, please contact me at (937) 285-6114.

Sincerely,



David R. Secor
Compliance Coordinator
Division of Drinking and Ground Waters

Enclosures

cc: Toni Buchanan, DDAGW, CO
cc: Logan County Health Department

DRINKING WATER WARNING

Tests show coliform bacteria in Zane Shawnee Caverns water

Sampling conducted for our water system showed total coliform bacteria were found in a sample collected in **June 2007**. We were required to collect four repeat samples within 24 hours of notification of any total coliform positive result to determine if *E. coli* or fecal coliform bacteria were present. These bacteria can make you sick, and are a particular concern for people with weakened immune systems. We did not collect the repeat samples within the required time period and therefore cannot be assured that the drinking water between June 21, 2007 and July 9, 2007 did not pose an acute risk to human health.

The four (4) samples collected on July 9, 2007 were all negative.

What should I do?

- *Fecal coliforms and E. coli are bacteria whose presence indicates that the water may be contaminated with human or animal wastes. Microbes in these wastes can cause short-term effects, such as diarrhea, cramps, nausea, headaches, or other symptoms. They may pose a special health risk for infants, young children, some of the elderly, and people with severely compromised immune systems.*
- The symptoms above are not caused only by organisms in drinking water. If you experience any of these symptoms and they persist, you may want to seek medical advice. People at increased risk should seek advice about drinking water from their health care providers.

What happened? What is being done?

Bacterial contamination can occur when increased run-off enters the drinking water source (for example, following heavy rains). It also can happen due to a break in the distribution system (pipes) or a failure in the water treatment process.

We are investigating and taking the necessary steps to correct the problem as soon as possible.

For more information, please contact _____ at _____ or _____
name of contact phone number mailing address

General guidelines on ways to lessen the risk of infection by microbes are available from the EPA Safe Drinking Water Hotline at 1(800) 426-4791.

Please share this information with all the other people who drink this water, especially those who may not have received this notice directly (for example, people in apartments, nursing homes, schools and businesses). You can do this by posting this notice in a public place or distributing copies by hand or mail.

PWSID# 4642012	Date Distributed: _____
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Tier 1: Total Coliform (no repeats taken)

PUBLIC NOTICE INSTRUCTIONS AND VERIFICATION FORM FOR TIER 1 VIOLATIONS

The owner or operator of a public water system with a Tier 1 violation or situation that may pose an acute risk to human health is required to notify the persons served by the public water system. Notice shall be issued as soon as practical but **no later than 24 hours** after the system learns of the violation. Public notice shall be repeated as established during consultation with Ohio EPA.

I HEREBY CERTIFY THAT THE PUBLIC WAS NOTIFIED BY THE FOLLOWING METHOD(S) INDICATED BELOW, AS DESCRIBED IN THE OHIO ADMINISTRATIVE CODE RULE 3745-81-32:

Required Method of Public Notification	Actual Method of Public Notification
<p>Use one or more of the following methods to reach all persons served by the public water system:</p> <ol style="list-style-type: none"> 1. Public notice issued by appropriate broadcast media (such as radio and television) 2. Public notice issued by continuous posting in conspicuous places throughout the area served by the water system (required to remain posted for as long as the violation exists) 3. Public notice issued by hand delivery to persons served by the water system 4. Public notice issued by another delivery method approved in writing 	<p>Describe actual methods used to notify public of the violation:</p> <p>1A. Name of station(s) _____</p> <p>1B. Date provided to station(s) _____</p> <p>2A. Dates of posting _____</p> <p>2B. Locations of posting _____</p> <p>3A. Date of delivery _____</p> <p>4A. Method _____</p> <p>4B. Date _____</p>
<p>Additional methods established in consultation with Ohio EPA</p>	<p>A. Method(s) _____</p> <p>B. Date(s) _____</p>

Please check if the public notice used was provided by Ohio EPA (other side of this form) or another acceptable notice was used:

- _____ A public notice as shown on the other side of this sheet was issued without changes.
- _____ A different public notice was issued. **INCLUDE A COPY OF THE PUBLIC NOTICE.**

Signature of Responsible Official	Date	Zane Shawnee Caverns
		NAME OF PUBLIC WATER SYSTEM
Printed Name and Title of Responsible Official		PWSID NUMBER: 4642012
		COUNTY NAME: Logan

For OEPA use only	VIOLATION TYPE: 21& 25
Date PN Received: _____	MONITORING PERIOD June 2007
PN acceptable: _____	PN not acceptable: _____