

Missouri Department of Natural Resources
Water Protection Program
Public Drinking Water Branch
P.O. Box 176
Jefferson City, MO 65102-0176

**Notice of Violation
Public Notice Required**

Date of Report: June 6, 2017
PWS ID: MO4010290

PWS Name: Fredericktown

Mail to:

Floyd (Junior) Shell
124 W Main
PO Box 549
Fredericktown, MO 63645-0549

Please notify us of any name or address changes

SUBJECT: NOTICE OF VIOLATION - Drinking Water Standards for a Public Water System for Total Trihalomethanes (TTHM).

Dear Floyd (Junior) Shell:

The Fredericktown public water system exceeded the maximum contaminant level (MCL) for the following:

Analyte	Locational Running Annual Avg (LRAA) for period ending March 31, 2017	LRAA Unit of Measure (UOM)	MCL	MCL UOM
TTHM	82	UG/L	80	UG/L

The Missouri Safe Drinking Water Regulations require public drinking water systems in Missouri that disinfect with chlorine, chloramines or ozone, to meet standards for disinfection byproducts (DBPs). TTHMs are a regulated DBP and are formed in the treatment process when chlorine reacts with naturally occurring organic matter. The concentration of TTHM during the twelve-month period ending March 31, 2017 exceeded the MCL of 80 micrograms per liter (ug/L) or parts per billion (ppb). The MCL is based on a locational running annual average (LRAA) of four quarterly samples. The resulting TTHM LRAA concentration for Fredericktown was 82 ppb. Therefore, the drinking water standard for TTHM found at 10 CSR 60-4.090(1)(D) has been exceeded.

As a result of this MCL exceedance, your public water system must provide public notice in accordance with 10 CSR 60-8.010. This regulation requires the public water system to provide the mandatory language associated with this violation to their consumers and that the public notice be provided as soon as practical, but no later than 30 days after the system learns of the violation. It is also required that the notice be distributed by mail or other direct delivery to each customer receiving a bill and to other service connections to which water is delivered by the public water system; and by any other method reasonably calculated to reach other persons regularly served by the system. Within 7 days of completing the public notification, the water system must submit certification to this office that it has fully complied with the public notification regulations. A Public Notice and Certification form have been enclosed for this purpose.

Your cooperation regarding this matter is essential. If this department can be of assistance or you have any questions, please contact the Southeast Regional Office at 573-840-9750 or Lance Dorsey at 573-751-6982.

Sincerely,

WATER PROTECTION PROGRAM

Lance Dorsey, Chief
Compliance and Enforcement Section
Enclosures

**Instructions for Public Notice
Disinfection Byproducts Violation for Period Ending March 31, 2017**

PWS ID: MO4010290

DNR Notification Date: June 6, 2017

Date Public Must be Notified by: July 6, 2017

Date to send Public Notification back to DNR by: July 14, 2017

Overview: Public water systems must provide public notice of Safe Drinking Water Act violations in a form and manner reasonably calculated to reach consumers as soon as possible, but no later than 30 days from being notified. DNR provides these instructions, certification (next page), and sample notice (previous page) to help systems comply with the Public Notice Rule and ensure the public is duly notified. Community systems must take the following actions:

A. Within 30 days, the water system must notify consumers of this violation. Use the following methods to distribute the notice:

1. Mail or hand-deliver a copy of the public notice to all customers. Use of this method is mandatory for community public water systems. Until returned to compliance, the system must provide the notice to new customers at the time service begins. *And*
2. Choose at least one additional method. Cities, water districts, wholesalers and large water companies typically publish the notice in a local newspaper of general circulation. Small community systems, such as subdivisions, mobile home parks and apartments, typically post the notice. If the water system maintains a website, this would also be a good place to post the notice. Posting must be on-going for as long as the violation exists. For violations that have been resolved, the minimum posting period is 7 days.

B. AFTER the water system has distributed the notice, send a copy of the system's version that was provided to consumers and the completed certification on the next page to:

Missouri Department of Natural Resources
Public Drinking Water Branch
P.O. Box 176
Jefferson City, MO65102-0176

YOU MUST SEND PUBLIC NOTICE DOCUMENTS TO DNR TO GET CREDIT FOR COMPLETING THIS REQUIREMENT. Failure to do so is a violation. Please submit documentation within 7 days of notifying the public. For ongoing violations, send us documentation every three months. You may fax these documents to 573-751-3110. Please retain a copy of the certification and public notice for your records for a minimum of 3 years. We can e-mail an electronic version of the public notice to the system, if that would be helpful. Complete state regulations for the public notification of drinking water violations can be found in 10 CSR 60-8.010 <http://s1.sos.mo.gov/cmsimages/adrules/csr/current/10csr/10c60-8.pdf>.

If you have any questions about public notice, please contact Jennifer Lee at 573-526-0425. For questions about the violation, you may contact the Southeast Regional Office at 573-840-9750 or the Public Drinking Water Branch at 573-526-6925.

PUBLIC NOTICE
IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER

Fredericktown Has Levels of Disinfection Byproducts Above Drinking Water Standards

Este informe contiene información muy importante sobre su agua potable. Tradúzcalo o hable con alguien que lo entienda bien

Our water system recently violated a drinking water standard. Although this is not an emergency, as our customers, you have a right to know what happened, what you should do, and what we are doing to correct this situation.

Analyte	Locational Running Annual Avg (LRAA) for period ending March 31, 2017	LRAA Unit of Measure (UOM)	MCL	MCL UOM
TTHM	82	UG/L	80	UG/L

We routinely monitor for the presence of drinking water contaminants. Testing results based on a locational running annual average (LRAA) of quarterly samples show that our system exceeds the standard or maximum contaminant level (MCL). (See table above.)

What should I do?

- **You do not need to use an alternative (e.g., bottled) water supply.** However, if you have specific health concerns, consult your doctor.

What does this mean?

- This is not an immediate risk. If it had been, you would have been notified immediately.
- Disinfection Byproducts (DBPs) are formed when chlorine combines with naturally occurring organic matter in the water. Disinfection is necessary to inactivate harmful microbes, such as bacteria and viruses, which may be present in untreated water. Regulated DBPs include Total Trihalomethanes (TTHMs). The MCL is based on long-term exposure of drinking two liters (about two quarts) of water every day for seventy years. Some people who drink water containing TTHMs in excess of the MCL over many years may experience problems with their liver, kidneys or central nervous system, and may have an increased risk of getting cancer.

What happened? What is being done? (Describe corrective action.)

The City of Fredericktown has purchased mixed oxidant equipment which will upgrade the disinfectant system thereby reducing the contaminants. The system should be fully operational

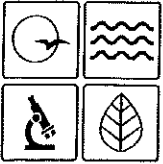
For more information, please contact water system staff indicated below:

Junios Shell at 573-783-2712 or City of Fredericktown, PO Box 549
(name of water system contact) (phone number) (mailing address) Fredericktown, Mo 63645

Additionally, you may contact the Missouri Department of Natural Resources Southeast Regional Office at 573-840-9750 or the Public Drinking Water Branch at 573-526-6925.

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.

This notice is being sent to you by Fredericktown
State Water System ID#: MO4010290.



Missouri Department of Natural Resources
Water Protection Program
Public Drinking Water Branch
P.O. Box 176
Jefferson City, MO 65102-0176

CERTIFICATION OF PUBLIC NOTICE

I certify this public water system notified the people it serves by the methods indicated below:

1. Hand delivery or Standard Mail
Date: _____ Date: 6-30-2017

Failure to adequately perform this part will result in another violation.

And _____

2. Posting: or Publication (please attach affidavit)

Begin Posting Date: 6-30-17 Newspaper: _____

End Posting Date: 7-30-17 Date: _____

Locations: City Hall, Ozone Regional Library

Other:
City of Fredericktown website
www.fredericktownmo.org

Belinda J Lopy Deputy Clerk 6-26-17
(Signature) (Title) (Date)

System Name: Fredericktown
PWS ID #: MO4010290
County: Madison

Violation Code: 02