



P.O. Box 867 • 125 West Main Street • Sun Prairie, Wisconsin 53590
P: 608.837.5500 F: 608.825.6001 W: sunprairieutilities.com

CUSTOMER NAME
CUSTOMER ADDRESS
CUSTOMER CITY/STATE/ZIP

PWS ID: 11302588
DNR Violation: 99657861
MC: Dane County

Important Information about your Drinking Water

Levels of Fluoride in Sun Prairie Utilities water exceeded standard, now corrected

Water samples collected to determine compliance with the Fluoride Maximum Contaminant Level (MCL) of 4 mg/L indicate our drinking water exceeded the MCL, which is a violation of State and Federal Safe Drinking Water standards. Samples collected on the following dates with the following results were used in making this determination: February 24, 2023 (13.23 mg/L) fluoride and March 6, 2023 (.56 mg/L) fluoride.

What precautions should be taken at this time?

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

What does this mean?

This is not an immediate risk. If it had been, you would have been notified immediately. However, you should be aware of the following: Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of bones. Fluoride in drinking water at half the MCL or more may cause mottling of children's teeth, usually in children less than 9 years of age. Mottling, also known as dental fluorosis, may include brown staining and/or pitting of the teeth, and occurs only in developing teeth before they erupt from the gums.

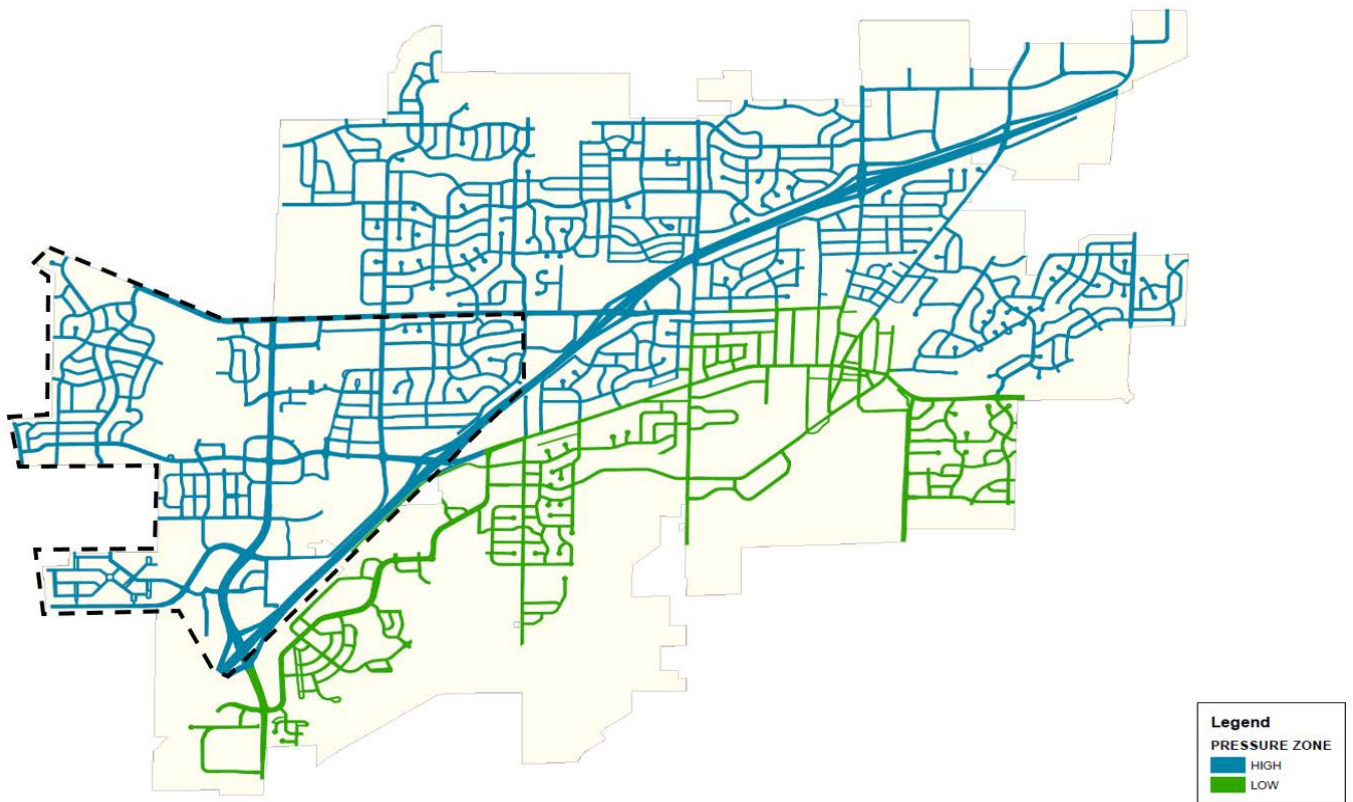
What was and is being done to correct the problem?

A fluoride pump valve in a west side high-pressure zone well was identified from our daily inspection as damaged on February 24, 2023, resulting in excess fluoride having siphoned into the adjacent 500,000 gallon storage reservoir. In collaboration with the Wisconsin DNR and once discovered on the 24th, the well and reservoir were immediately isolated and taken offline. Once offline, the reservoir was flushed, with samples at the well and reservoir repeatedly taken, until fluoride levels were reduced to normal levels (less than 2mg/L). Concurrently, five strategic locations on the west side of Sun Prairie were also flushed and repeatedly tested until fluoride levels in the distribution system returned to normal levels. Included on page 2 is a map illustrating both the separated high-pressure and low-pressure zones, along with the dashed border area of the high-pressure zone that may have experienced an elevation in fluoride. For the entire week following the discovery, fluoride samples were continuously taken to assure the distribution system continued to see normal levels. Of note, samples taken east of Broadway Drive never saw any elevation, nor were levels believed to have elevated north of Windsor Street. The faulty valve was replaced and the well brought back online on March 3, 2023. As a water system operator, Sun Prairie Utilities measures the chemical contents being distributed into the system daily and assures that the problem was expeditiously resolved.



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To alleviate the possibility of future recurrence, the chemical pump feeds at all wells are being elevated to prevent siphoning in the event of equipment failure. Furthermore, we are working with our SCADA (Supervisory Control and Data Acquisition) provider to deliver electronic notification alarms identifying chemical pump/valve issues.



If you have questions regarding the safety of our drinking water, please contact:

Andy Hirvela SPU Supervisory Engineer
Phone: (608)960-4509 or (608)837-5500 x227
Address: 125 W. Main St., Sun Prairie, WI 53590

I certify that the information and statements contained in this public notice are true and correct and have been provided to consumers in accordance with the delivery, content, format, and deadline requirements in Subchapter VII of ch. NR 809, Wis. Adm. Code.

Signature

Date