

## PUBLIC NOTICE

~~~~~ IMPORTANT INFORMATION ABOUT YOUR DRINKING WATER ~~~~~

This notice being sent by the Stratford Muni Water Dept. PWSID# 4051002. Elevated Fluoride Levels Detected

Fluoride in children's drinking water at levels of approximately 1 mg/L reduces the number of dental cavities. However, some children exposed to levels of fluoride greater than about 2.0 mg/L may develop dental fluorosis. Dental fluorosis, in its moderate and severe forms, is a brown staining or pitting of the permanent teeth, or both.

Because dental fluorosis occurs only when developing teeth (before they erupt from the gums) are exposed to elevated fluoride levels, households without children are not expected to be affected by this level of fluoride.

Families with children under the age of nine are encouraged to seek other sources of drinking water for their children to avoid the possibility of staining and pitting.

Your water supplier can lower the concentration of fluoride in your water so you will still receive the benefits of cavity prevention while the possibility of stained and pitted teeth is minimized. Removal of fluoride may increase your water costs. Treatment systems are also commercially available for home use. Information on such systems is available at the address given by your public water supplier. Low fluoride bottled drinking water that would meet all standards is also commercially available.

For more information, please contact Stratford City Hall Water Department at 515-838-2311. Some home water treatment units are also available to remove fluoride from drinking water. In Iowa, home water treatment units are regulated under 641—Chapter 14, with the water treatment unit registration program administered by the Iowa department of public health's environmental health division. In addition, you may call the National Sanitation Foundation (NSF) International, at 1-877-867-3435. *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)*

### **FAQ's on Fluoride in the Stratford Municipal Water Supply**

*Is Stratford's Water Safe to Drink?* Yes! The notices sent quarterly with the newsletters (and shown below) contain the required wording written by the Iowa Department of Public Health. Community water systems that exceed the fluoride level of 2.0 mg/L (the EPA minimum level) must provide special fluoride public notice to persons served. A recent sample taken from Stratford's water supply contained a fluoride level of 2.47 mg/L.

*Does Stratford Add Fluoride to the Drinking Water?* No. The fluoride in Stratford's water is naturally occurring. This water supply obtains its water from the limestone and dolomite of the Mississippian Aquifer. The aquifer was determined to have low susceptibility to contamination because the characteristics of the aquifer and overlying materials provide natural protection from contaminants at the land surface.

*What is an Unsafe Fluoride Level?* The maximum level set by the Environmental Protection Agency (EPA) is 4.0 mg/L. Drinking water containing more than 4.0 mg/L can increase the risk of certain health issues. Stratford's drinking water does not contain unsafe fluoride levels but Stratford is required to notify persons served when a sample exceeds the 2.0 mg/L minimum.