

BEATTY WATER & SANTIATION DISTRICT

101 North Second Street

P.O. Box 99

Beatty, Nevada 89003-0099

WATER QUALITY NOTICE

September 18, 2017

The motor failed for our primary water source on September 15, 2017. Due to this fact the District was forced to provide water from higher fluoride sources. This poses no acute health risk. The following notice will acquaint you with the State and Federal regulations concerning fluoride. While pumping water from these wells your fluoride may be as high as 6.5 mg/L.

Federal regulations require that fluoride, which occurs naturally in your drinking water supply, not exceed a concentration of 4.0 mg/L in drinking water based on an annual average. This is an enforceable standard called a Maximum Contaminant Level (MCL), and is established to protect the public health. Fluoride levels related to MCL are based on annual average sampling. Staff will monitor fluoride levels closely while EW4 is out of service. While the primary well is out of service, a majority of the water will be pumped from Wells 1 and 2 containing fluoride levels above the MCL in order to meet water system demand. Exposure to drinking levels above 4.0 mg/L for many years may result in some cases of crippling skeletal fluorosis which is a serious bone disorder.

In addition, State law requires notifying consumers when monitoring indicates fluoride exceeding 2.0 mg/L. This notice is intended to alert families about dental problems that may affect children under nine (9) years of age. The fluoride concentration of your drinking water may exceed the State Secondary Standard.

Fluoride in children's drinking water at levels of approximately 1 mg/L reduces the number of 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 and/or pitting of the permanent teeth.

Because dental fluorosis 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 concentration of fluoride in your water so that 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 commercially. Low fluoride bottled drinking water that would meet all standards is also commercially available.

EPA has a website you may find more information on fluoride and Safe Drinking Water at http://water.epa.gov/drink/contaminants/basic_information/fluoride.cfm

Investigation into the EW4 motor failure was completed. Carson Pumps will be here Tuesday to pull the well and motor. For further information, contact Rob Shirley at (775)553-2931, or 101 N 2nd Street, Beatty, NV 89003.

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