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Atrazine. Some people who drink water containing atrazine well in excess of the MCL over many years could experience problems with their cardiovascular system or reproductive difficulties.

Inadequately treated water may contain disease-causing organisms. These organisms include bacteria, viruses, and parasites, which can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline (800-426-4791).

We have a source water protection plan available from our office that provides more information such as potential sources of contamination. If you have any questions about this report or concerning your water utility, please contact Bea Aamodt at 366-4430. We want our valued customers to be informed about decisions made on behalf of the City of Bixby, which influences your water quality. **If you want to learn more, please attend any of our regularly scheduled meetings. They are held on the second and fourth Monday of each month at 6:00 PM at the Bixby City Hall, 116 West Needles, Bixby, Oklahoma.**

We at the City of Bixby work around the clock to provide top quality water to every customer and we are currently testing the latest technology to help us meet that goal.

City of Bixby – Water Quality Report for 2011

We are very pleased to provide you with this year's Annual Water Quality Report. We want to keep you informed about our efforts to provide quality water and our continued efforts to improve treatment over the past year. Our goal is to provide safe and dependable supply of drinking water. The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. In 2011 we purchase treated water from the City of Tulsa. The City of Tulsa obtained water from three lakes in 2011: Lake Oologah, Lake Spavinaw and Lake Eucha.

The City of Bixby and the City of Tulsa constantly monitor for various constituents in the water supply to meet all regulatory requirements and assure our high standards. We have summarized the findings for the monitoring period of January 1st to December 31st, 2011. ***The water provided by the City of Tulsa met federal and monitoring requirements for 2011.***

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. **More information about contaminants and potential health effects can be obtained by calling the EPA's Safe Drinking Water Hotline (800-426-4791).**

Excessively high values of Turbidity, TTHM, HAA5, and TOC, Gross Beta Radionuclides, Gross Alpha Radionuclides, Atrazine, Copper, Total Coliform, Lead, and Fluoride, may result in the following potential adverse health effects:

TOC [Total Organic Carbon]. TOC's have no health effects. However, total organic carbon provides a medium for the formation of disinfection byproducts. These by products include trihalomethanes and halo-acetic acids. Drinking water containing these by-products in excess of the MCL may lead to adverse health effects, liver, or kidney problems, or nervous system effects, and may lead to an increased risk of getting cancer.

TTHMs [Total Trihalomethanes]. Some people who drink water containing trihalomethanes in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

HAA5s [Halo-Acetic Acids]. Some people who drink water containing halo-acetic acids in excess of the MCL over many years may experience problems with their liver, kidneys, or central nervous systems, and may have an increased risk of getting cancer.

Total Coliform. Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially- harmful, bacteria may be present.

Turbidity. Turbidity has no health effects. However, turbidity can interfere with disinfection and provide a medium for microbial growth. Turbidity may indicate the presence of disease-causing organisms. These organisms include bacteria, viruses, and parasites that can cause symptoms such as nausea, cramps, diarrhea, and associated headaches.

Gross Beta Radionuclides. Certain minerals are radioactive and may emit forms of radiation known as photons and beta radiation. Some people who drink water containing beta and photon emitters in excess of the MCL over many years may have an increased risk of getting cancer.

Gross Alpha Radionuclides. Certain minerals are radioactive and may emit a form of radiation known as alpha radiation. Some people who drink water containing alpha emitters in excess of the MCL over many years may have an increased risk of getting cancer.

Copper. Copper is an essential nutrient, but some people who drink water containing copper in excess of the action level over a relatively short amount of time could experience gastrointestinal distress. Some people who drink water containing copper in excess of the action level over many years could suffer liver or kidney damage. People with Wilson's Disease should consult their personal doctor.

Fluoride. Some people who drink water containing fluoride in excess of the MCL over many years could get bone disease, including pain and tenderness of the bones. Children may get mottled teeth.

Lead. Infants and children who drink water containing lead in excess of the action level could experience delays in their physical or mental development. Children could show slight deficits in attention span and learning abilities. Adults who drink this water over many years could develop kidney problems or high blood pressure.

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