

# 2017 CONSUMER CONFIDENCE REPORT

## A WATER QUALITY REPORT FOR THE WATER USERS OF PHILIP MUNICIPAL WATER SYSTEM

We serve more than 779 customers an average of 120,000 gallons of water per day. Our water is surface water that comes from the Missouri River that we purchase from West River/Lyman-Jones Rural Water. The state has performed an assessment of our source water and they have determined that the relative susceptibility for the City of Philip public water supply system is low. For more information about your water and information on opportunities to participate in public meetings, call (605) 859-2175, and ask for Brian Pearson.

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 can pick up substances resulting from the presence of animals or from human activity.

Our city council meets on the first Monday of each month at 7:00 PM in the Haakon County courthouse community room. Please feel free to participate in these meetings.

Contaminants that may be present in source water before we treat it may include:

**MICROBIAL** contaminates, such as viruses and bacteria, which may come from sewage, septic tank systems, agriculture livestock operations and wildlife.

**INORGANIC** contaminants, such as salts and metals which can be naturally occurring, or the result of highway storm water runoff, industrial or domestic waste discharge or farming.

**PESTICIDES** and herbicides, which may come from a variety of sources such as agriculture, urban storm water runoff, and residential uses.

**RADIOACTIVE** contaminants, which are naturally occurring or be the result of oil and gas production and mining activities.

**ORGANIC CHEMICAL** contaminants including synthetic and volatile organic chemicals, which are by products of industrial processes and petroleum production, and can also come from gas stations, urban storm water runoff, and septic systems.

In order to ensure that tap water is safe to drink, EPA prescribes regulations, which limit the amount of certain contaminants in water provided by public water systems. FDA regulations establish limits for contaminants in bottled water, which must provide the same protection for public health.

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 Safe Drinking Water Hotline (800-426-4791).

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 microbial contaminants can be obtained by calling the EPA Safe Drinking Water Hotline (800-426-4791).

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. The City of Philip public water supply system is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at <http://www.epa.gov/safewater/lead>

### Detected Contaminants

The attached table lists all the drinking water contaminants that we detected during the 2017 calendar year. The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. Unless otherwise noted, the data presented in this table is from testing done January 1-December 31, 2017. The state requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants are not expected to vary significantly from year to year. Some of the data, though representative of the water quality, is more than one year old.

**Maximum Contaminant Level (MCL)**

The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

**Maximum contaminant Level Goal (MCLG)**

The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.

**Treatment Technique (TT)**

A required process intended to reduce the level of a contaminant in drinking water.

**Action Level (AL)**

The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.

**Test results for the water from West River/Lyman Jones****Regulated Contaminants**

Substance	Highest Level Detected	Range	Date Last Tested	Highest Level Allowed (MCL)	Ideal Goal (MCLG)	Major Source of Contaminant Substance
Fluoride	0.51		10/31/2017	4	4	Erosion of natural deposits; water additive which promotes taste Discharge from fertilizer and aluminum factories
Haloacetic Acids Total	17.2		9/20/2017	60	0	By-product of drinking water chlorination
Trihalomethanes	26.9		9/20/2017	80	0	By-product of drinking water chlorination

**Philip Test Results**

Substance	Highest Level Detected	Test Sites> Action Level	Date Last Tested	Highest Level Allowed (MCL)	Ideal Goal (MCLG)	Major Source of Contaminant Substance
Copper	0.2	0	8/22/2017	AL=1.3	0	Corrosion of household plumbing systems, leaching from wood
Lead	2	0	8/22/2017	AL=15	0	Corrosion of household plumbing; erosion of natural deposits
Haloacetic Acids Total	2.65		8/22/2017	60	0	By-product of drinking water chlorination
Trihalomethanes	30.2		8/22/2017	80	0	By-product of drinking water chlorination

Philip is served water from the Missouri River which is relatively free from contaminants.

For further information, please contact Jake Fitzgerald at WR/LJ Rural Water, PO Box 407, Murdo, SD 57559, call 605-669-2931 or toll free 1-800-851-2349; or Mike Vetter at WR/LJ Rural Water, PO Box 144, Philip, SD 57567, call 605-859-2829 or toll free 1-800-859-6173.

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