



2018 Drinking Water Quality Consumer Confidence Report Crown Butte Pocket

Southwest Water Authority's (SWA) vision is "People and Businesses Succeeding with Quality Water." We take our responsibility of providing southwest North Dakota with a reliable supply of quality drinking water very seriously. Working with the North Dakota Department of Health and the Environmental Protection Agency (EPA), we place drinking water safety at the top of our priorities. Our drive is to achieve a level of excellence that is unsurpassed in our field. To that end, we present our 13th Annual Drinking Water Report. This report will provide information to our customers about the quality of our drinking water. It contains a table of water quality data, definitions of terms, specific language requirements, and other information we hope you will find useful and educational.

What is a Consumer Confidence Report (CCR)?

This CCR is our annual water quality report that all community water systems are required to provide to their customers. It is based on the 1996 Amendments to the EPA's Safe Drinking Water Act and the right to know provisions of that Act. As a customer of Southwest Water Authority, it gives you the opportunity to review your water quality annually. It also is provided to help you make informed choices about the water you drink. The report lets you know what, if any, contaminants are in the drinking water, and how they may affect your health.



CONTAMINATION SOURCES

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. Contaminants that may be present in source water include:

- **Microbial contaminants**, such as viruses and bacteria, which may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- **Inorganic contaminants**, such as salts and metals, which can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- **Pesticides and herbicides**, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- **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 stormwater runoff, and septic systems.
- **Radioactive contaminants**, which can be naturally-occurring or be the result of oil and gas production and mining activities.

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. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

The North Dakota Department of Health has prepared a Source Water Assessment for the city of Mandan's surface water intake and has classified Mandan's water system as moderately susceptible to potential contaminant sources. It should be noted that historically, the city has effectively treated its source water to meet drinking water standards and the risk for potential contamination is low. Information about the Source Water Assessment is available by calling 701-225-9149 or 888-425-0241, or e-mail us at swa@swwater.com.

About SWA's Quality Water

At SWA, our highest priority is your family's health where drinking water is concerned. With that thought in mind, SWA is pleased to report that this water system was in compliance with all drinking water regulations in 2018. SWA wants all of our valued customers to be informed about this water utility, therefore if you have any questions about this report or any other concerns, please contact Ken Knight, Water Treatment Plant Operator or Sandy Burwick, CFO/Office Administrator at 888-425-0241 or e-mail us at swa@swwater.com.

In order to allow individuals who consume SWA's drinking water, but who do not receive water bills, to learn about this water system, we would appreciate it if large volume water customers would post copies of this report in conspicuous locations or distribute them to tenants, residents, patients, students, and/or employees.

Source and Treatment

The water source for the Crown Butte Pocket is surface water obtained from the Missouri River. The water is treated by the Mandan Water Treatment Plant using the following processes: clarification, softening, filtration, fluoridation, and disinfection. The Missouri West Water System purchases water from the city of Mandan for delivery to their customers. SWA then purchases water from Missouri West Water System for delivery to you, our valued customer.

Drinking Water Safety

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). More information about drinking water is available on EPA's website at www.epa.gov/safewater.

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/Centers for Disease Control and Prevention (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (800-426-4791).



We are pleased to present this 2018 Water Quality Report (CCR) which demonstrates that our water quality continues to meet and/or exceed the strict water quality standards established by the EPA.



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Learn More

Visit our website at www.swwater.com to learn more about water quality. You are welcome to attend any of SWA's regularly scheduled meetings, which are generally held on the first Monday of each month. If you are aware of non-English speaking individuals who need assistance with the appropriate language translation, please contact SWA at the number listed. If you are interested in attending or would like to request agenda time, please contact SWA at the number listed for information on time and location.