

An overview of water treatment process

Water Treatment—ultrafiltration membrane replacements

Testing completed by the Minnesota Department of Health confirms that Mankato's drinking water meets and exceeds all state and federal standards for high-quality water, including the Federal Safe Drinking Water Act.

A look back as Mankato moves forward...

An ultrafiltration system was deployed in Mankato's water treatment plant in 2008. The city of Mankato first committed to membrane filtration in their water treatment process in early 2000. Prior to membranes, sand filtration was used since the early 1900s.

Ultrafiltration membrane filters are so tight that they are capable of blocking the smallest and most difficult microorganisms for safety. Daily testing of Mankato's water confirms water quality is well ahead of federal water safety standards. Much more effective than sand filters, ultrafiltration also has a smaller footprint.

Membrane filters

- ◆ Imagine 11,000 bar straws in a 8" pipe
- ◆ 761 miles of filter straw per filter (x8)
- ◆ 8 filters
- ◆ 640 modules
- ◆ .02 micron
- ◆ 55,000 gallons filtrate before backwash
- ◆ 45 second backwash duration per filter
- ◆ 28,000 gallons backwash per cycle
- ◆ Over 6,000 miles total
- ◆ Temperature driven
- ◆ 1,000 gpm @ 50 degrees
- ◆ 1,350 gpm @ 70 degrees

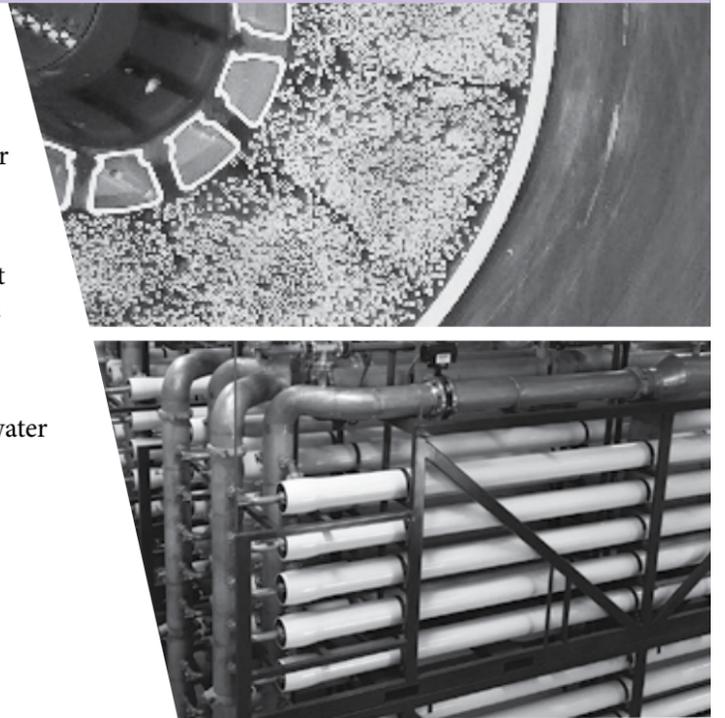
Fast facts

- ◆ Just completed replacing four ultrafiltration membranes (\$300,000).
- ◆ The remaining four are budgeted to be bid for replacement in 2018.
- ◆ Since ultrafiltration membranes generally have 10 years of expected life, replacement was timed so maintenance is proactive.
- ◆ Mankato's new replacement membranes contain a fiber that has technological advances over the original membranes.
- ◆ Mankato's water treatment process includes softening for multiple water-use benefits and adding fluoride for healthy teeth.

"Maintaining an effective ultrafiltration system in Mankato's water plant helps safeguard against unwanted risk factors," says Director of Public Utilities Mark Winson. "Filtration that offers micro properties, along with frequent water testing provides confidence in Mankato's outstanding water quality."

Water Treatment Plant
730 Mound Avenue
Mankato, Minnesota

For more information contact Mark Winson, director of public utilities, 507-387-8583, mwinson@mankatomn.gov.



Mankato's water treatment plant recently won a **Source Water Protection Award** through Minnesota Rural Water and Minnesota Department of Health.

Make a city park reservation online

By Edell Fiedler, public information

It's easy to reserve a city of Mankato shelter or campsite online. Simply create a user account on Mankato's park reservations page at <https://cityofmankato.maxgalaxy.net/Home.aspx>. Once registered, users can reserve one or more campsites, a shelter, or facility.

Options include:

- ◆ Campsites or the Floyd Roberts Jr. Pavilion in Land of Memories park, off of Highway 169 South
- ◆ Rasmussen Woods Elk's Nature Center in Rasmussen Woods, 555 Stoltzman Road
- ◆ Sibley Park gazebo, CHS Pergola, Sibley Park Pavilion, and Leas Schwickert Arts Pavilion in Sibley Park, 900 Mound Avenue
- ◆ Caledonia Community Center, 600 Hope Street

Picnic shelters are available in Alexander, Erlandson, Highland, Sibley and Tourtellotte parks.

Completed applications are required for reservations with 50 or more people and are available on the parks reservation page. For questions or more information contact staff at 311 or 507-387-8600. [📄](#)



Trees and flowers around the Sibley Park Pavilion, 900 Park Lane.

Mankato's "Safe Exchange" provides secure meeting place

By Edell Fiedler, public information



Mankato's "Safe Exchange" location is on the street in front of the Public Safety Center, 710 South Front Street.

Mankato joins cities across the country in providing safe locations to provide a public place to safely complete online sales and serve as an optional exchange site for child custody situations away from a person's home. Mankato's new "Safe Exchange" location is in front of the Public Safety Center, 710 South Front Street. For safety, a 24-hour video camera records exchanges. A sign has been placed in the designated area.

For more information call 311 or 507-387-8600. [📄](#)



Tom Engstrom with the Greater Mankato Bike and Walk Advocates, checks tires at a bike repair station.

Mankato's bike repair stations provide convenience

By Edell Fiedler, public information

Five city-owned bike repair stations are available in Mankato thanks to local funding provided by Scheels and the Statewide Health Improvement Partnership and collaboration with local bike advocates. Each station includes tools, such as wrenches and an air pump for tires, so bicyclists can maintain bikes as needed while biking in the community.

Bike repair stations are located on city trails:

- ◆ Kiwanis Recreation Area, off Highway 169
- ◆ Riverfront Drive near the YMCA
- ◆ Intersection of Indian Lake and Doc Jones roads

- ◆ Riverfront Park, 310 West Rock Street
- ◆ Intersection of Augusta Drive and Dodge Street

There are three additional university-owned bike repair stations on the Minnesota State University, Mankato campus. A printable map is available online at mankatomn.gov/how-do-i-/find/bike-lanes.

Mankato/North Mankato is designated a "Bicycle Friendly Community" by the League of American Bicyclists.

For more information contact staff at 311 or 507-387-8600. [📄](#)

