Mankato's Water Treatment Plant

730 Mound Avenue





Mankato's ultra membrane filtration system

Mankato's water—clearly the best choice

About the project

The city of Mankato is committed to providing quality water services to residents. Upgrades and improvements to Mankato's water treatment plant and other supporting projects, including the reservoirs, booster stations and wells, enhance water quality to residents and improve security at the water plant. These improvements are designed to meet the city's needs well into the future.

Benefits

- Mankato's water treatment plant operates at maximum efficiency to be sustainable and conserve energy by drawing the majority of its water from surface wells.
- Enhanced water quality—an ultra membrane filtration system, one of the most advanced technologies available—helps keep out bacteria and viruses.
- Improved security—systems have been put in place, including a gated entry, to protect Mankato's water supply.
- Increased capacity for future demand—the ability to double treatment capacity helps ensure future water needs will be met.
- A value-added benefit includes softening—results in iron removal and corrosion stabilization that may lead to cost savings by less replacement of shower heads and faucets.

Fast facts

- No major renovations had occurred on the water treatment plant for more than 35 years. This project is designed to meet future demand.
- On average, more than 1.7 billon gallons of drinking water are produced for 13,487 service connections each year.
- Mankato has more than 229 miles of water main lines.
- Nine water storage facilities hold 11.45 million gallons of drinking water.
- Capacity increased from 7.5 million to 12 million gallons of water treated per day, and has the ability to expand to treat 15 million gallons of water daily.
- The 65-foot-deep wells located in the Land of Memories Park along the Minnesota River can produce up to 5,200 gallons of water per minute.
- More than 2,000 tons of lime is used at the water treatment plant in the softening process and is reused on agricultural land to help improve soils. This effort is sustainable and benefits the environment.
- The water treatment plant is operated 24 hours a day, seven days a week.
- Staff are trained and licensed as water plant operators by the Minnesota Department of Health.

Mankato's water is tested daily and meets and exceeds state and federal standards for high-quality water.



- Mankato's water supply is approved by the state of Minnesota and the U.S. Environmental Protection Agency.
- Mankato's water meets and exceeds state and federal standards for high-quality water.

City of Mankato
Leading the way...

www.ci.mankato.mn.us
507-387-8661
Mankato's 24-hour water service

Water supply, treatment and storage

Standby generators can power Mankato's water treatment facility



✦ Water is drawn from deep and shallow wells.



✦ Water is pumped from the wells to Mankato's water treatment plant for the treatment and filtration process.





✦ State-of-the-art protective ultra membrane filter keeps out bacteria and viruses.



✦ Treated water is pumped to water storage reservoirs.



✦ From the reservoirs, water is pumped to water towers and distributed for use.



Enjoy the great taste of Mankato, Minnesota