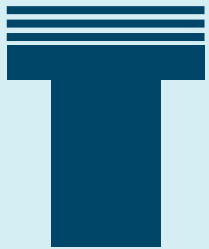


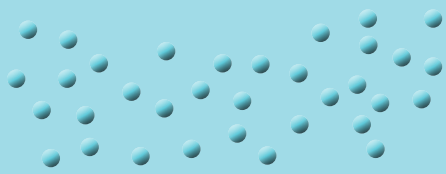
1



The City uses 20 groundwater wells to supply water to the City's Water Treatment Plant.

2

Aeration removes hydrogen sulfide and volatile organic contaminants as well as oxidizes iron.



3

The water flows to 1 of 3 large settling basins where lime is added to raise the water pH and reduce hardness.



4

Liquid chlorine, fluoride and phosphate are added into the line as water flows by gravity through the dual media filters, which remove particles. Water flows to the transfer pumps and is stored on site in two underground reservoirs. Ammonia is added to form chloramines, a more stable and safer disinfectant.



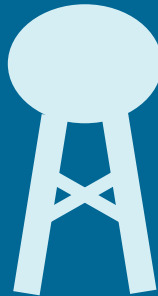
7

The water storage tanks maintain adequate pressure and storage for domestic use and fire protection.



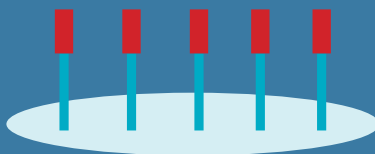
6

Four booster pump stations help push water to 6 water storage tanks and maintain pressures throughout the system.



5

Water is pumped from the reservoirs into the water distribution system using large pumps and motors.



Water Treatment Process

The Water Treatment Plant (WTP) is a lime softening plant with a design capacity of 30 million gallons per day. It is in full operation 24 hours a day, 365 days a year. It is staffed by two operators on each eight-hour shift.

State certified WTP operators ensure adequate water is maintained in the distribution system and test many water quality parameters.

In 2016 and 2017, significant improvements are planned at the plant include electrical improvements, addition of a backup generator and improving disinfection infrastructure.

2.4B

2.417 billion gallons of water treated in 2015