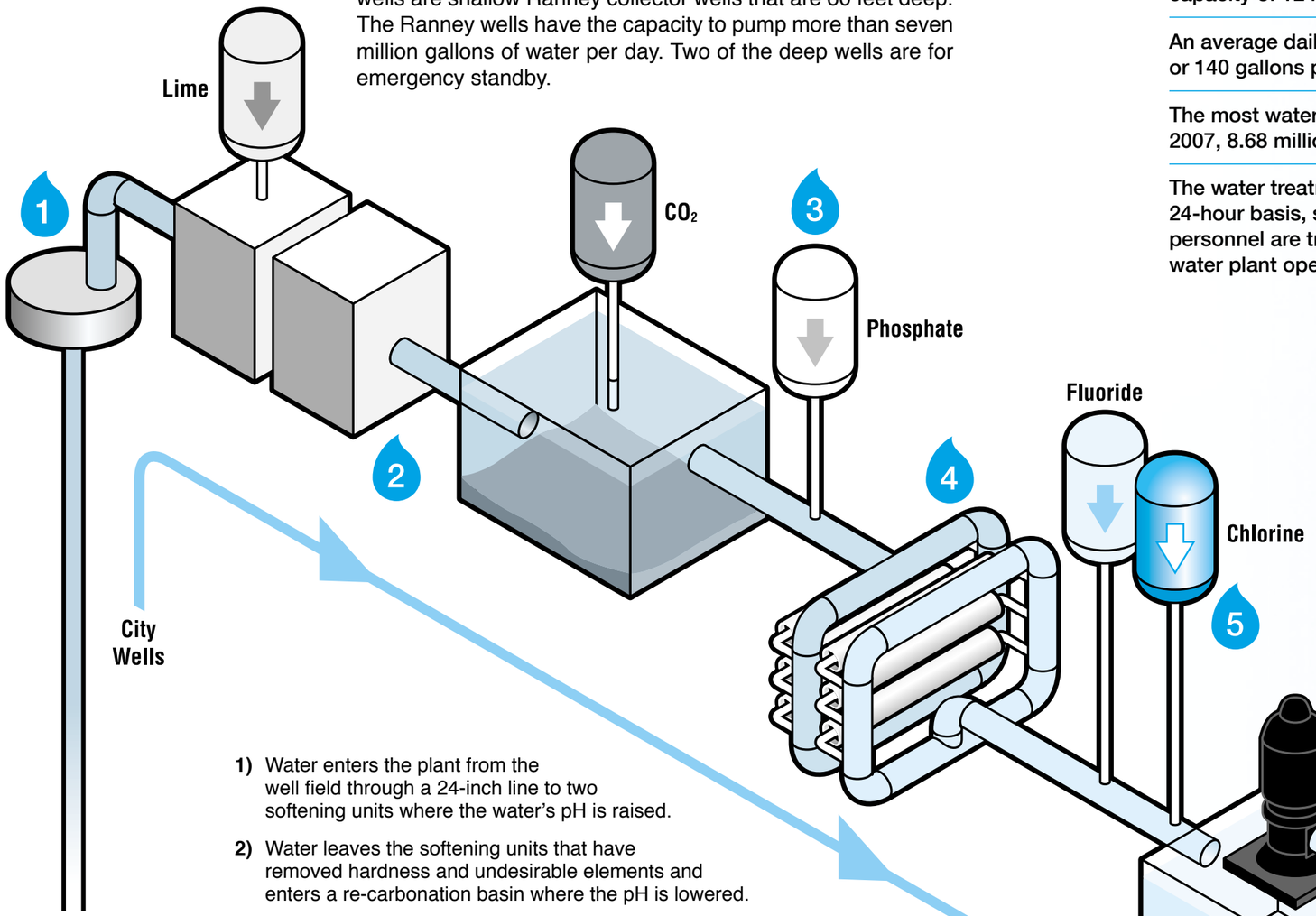
Mankato's Water Treatment Process

The city of Mankato receives its water supply from six wells, four are roughly 700-feet deep. Two wells are shallow Ranney collector wells that are 60 feet deep. The Ranney wells have the capacity to pump more than seven million gallons of water per day. Two of the deep wells are for emergency standby.



1) Water enters the plant from the well field through a 24-inch line to two softening units where the water's pH is raised.
2) Water leaves the softening units that have removed hardness and undesirable elements and enters a re-carbonation basin where the pH is lowered.
3) Carbon dioxide is added to adjust the water's pH. Polyphosphate is added to enhance the purity and quality of the water.
4) Water is filtered through state-of-the-art ultra-filtration membranes.
5) After being filtered, the water has chlorine and fluoride added to further enhance its quality.
6) Finished water flows into reservoirs and is pumped into the distribution system by three pumps.

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

City of Mankato
Leading the way...

Fast Facts

Mankato's water treatment plant has a daily capacity of 12 million gallons.

An average daily production is 5.5 million gallons or 140 gallons per day per person.

The most water pumped in one day was in July 2007, 8.68 million gallons.

The water treatment plant is operated on a 24-hour basis, seven days a week. All plant personnel are trained and licensed as water plant operators.

