

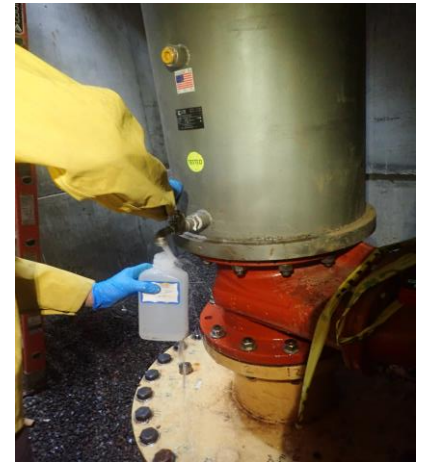
Willamette Water Supply

Our Reliable Water Future

Preparing the Pipe for Use

Consistent with American Water Works Association standards, as each segment of the Willamette Water Supply Systems (WWSS) pipeline is installed, it must be cleaned, tested, and disinfected prior to placing it into service. Due to the time between construction completion and in-service date, each project completes these required steps prior to placing the pipeline into long-term storage, awaiting overall commissioning activities.

- A visual inspection of the interior of the pipeline.
- Cleaning the inside of the pipeline. Depending on the size of the pipe, this includes either flushing or sweeping and pressure washing.
- Conducting pressure testing to ensure the pipe can withstand the water pressure without leaking.
- Disinfecting and partially draining the pipe. Bacteriological analyses are conducted to ensure that the water samples are negative for coliform organism after disinfection, no entry into the pipe exterior is allowed.
- Dechlorinating and disposing of the water in accordance with all applicable regulations. Small pockets of water at low points remain in the pipe to maintain humidity and minimize cracking at the cement mortar lining.



After pipe installation, the pipes are flushed, cleaned, and disinfected, and the water quality is tested. All this testing ensures the pipes are ready to deliver clean and safe drinking water.

When all the pipe segments have been installed, the entire system will be flushed and disinfected again before the WWSS is placed in operation.

Our Future Water Supply

The WWSP is a partnership between Tualatin Valley Water District, the City of Hillsboro and the City of Beaverton to develop the mid-Willamette River at Wilsonville as an additional water supply source and will be paid for by those ratepayers. This new system, when operational in 2026, will provide a reliable water supply for the region while also helping water system operators balance supply during times of drought or other supply interruptions, and recover more quickly after a large natural disaster.

Learn More

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