


Depressurizing Existing Watermains

Under most circumstances, depressurizing portions of the City of Aurora's water distribution system will not be allowed. In the event that the Engineering Division determines that depressurizing an existing watermain is unavoidable, the following shall be required:

- The portion of watermain to be depressurized must be isolated from any existing active water services. If necessary, temporary line stops and or permanent pressure insertion valves shall be installed in order to avoid impacting existing water customers.
- The entire section of watermain that is depressurized must be flushed. In order to achieve minimum flushing velocities in accordance with Aurora's Standard Specifications for Improvements, fire hydrants or corporation stop(s) with temporary whips may need to be installed. The City of Aurora's Water and Sewer Maintenance Division shall be on site during all flushing operations. Contact the Water and Sewer Maintenance Division at 630-256-3710 to schedule inspection of flushing operations.
- The watermain shall be flushed until a minimum total chlorine concentration of 1.0 mg/L is obtained. Water and Sewer Maintenance personnel shall be responsible for measuring total chlorine concentrations.
- After the watermain has been properly flushed and is pressurized, Water and Sewer Maintenance personnel shall collect a sample for bacteriological sampling.
- From the time that the watermain is depressurized until notification is received from the City of Aurora that the results of the water sample(s) analyst is satisfactory, sufficient valves and or temporary line stops shall remain closed to ensure that the portion of depressurized watermain is fed from only one direction.
- Flushing shall only take place between 7:30 AM and 3:00 PM Monday through Friday, excluding holidays.
- Sampling shall only take place between 7:30 AM and 3:00 PM Monday through Thursday, excluding holidays.
- Sample results shall typically be available within 25 hours of sample collection.

Approval in writing from the City Engineer or his or her designee must be obtained prior to depressurizing any section of public watermain that will impact existing water customers. In the event that existing conditions require depressurizing a section of a watermain that includes services to water customers, a Precautionary Localized Boil Order (PLBO) must be issued to all impacted customers. The City of Aurora's Water and Sewer Maintenance Division shall assist with notifying impacted customers of the PLBO.

 <p>AURORA The City of Lights ENGINEERING</p>	REVISIONS		Depressurizing Existing Water Mains		
	DATE:	BY:	SCALE: NOT TO SCALE		
	02/26/20	DGoewey			
			CHECKED: DF		
		DATE:	DRAWN:	DRAWING NUMBER EXHIBIT III-C-14	
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