



**American Water Works  
Association**

*Dedicated to the World's Most Important Resource®*

**ANSI/AWWA C651-14**  
(Revision of ANSI/AWWA C651-05)

**AWWA Standard**

# Disinfecting Water Mains

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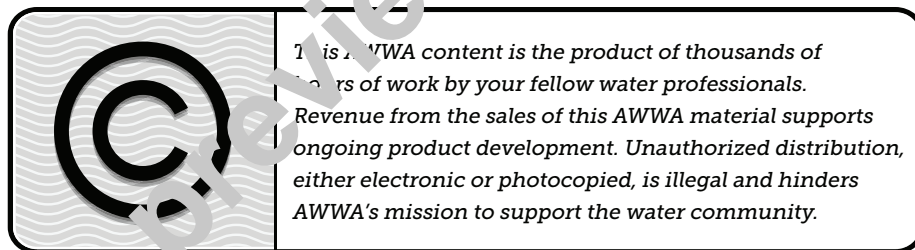
## AWWA Standard

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## Disinfecting Water Mains

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### SECTION 1: GENERAL

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#### **Sec. 1.1 Scope**

This standard describes essential procedures for the disinfection of new and repaired potable water mains. New water mains shall be disinfected before they are placed in service. Water mains taken out of service for inspection, repair, or other activities may or may not require disinfection and sampling, depending on the risk of contamination. This standard describes the process for evaluating the risk under different conditions. This standard is meant to be used for water mains within public water systems and is not intended for premise plumbing systems in buildings. Premise plumbing components in buildings use a wide variety of materials, including some that may not be compatible with the chlorine concentrations in this standard.

#### **Sec. 1.2 Purpose**

The purpose of this standard is to define the minimum requirements for the disinfection of water mains, including the preparation of water mains, application of chlorine, and sampling and testing for the presence of coliform bacteria.

#### **Sec. 1.3 Application**

This standard can be referenced in the purchase documents for the disinfection of water mains and can be used as a guide for the preparation of water mains, application of chlorine, and sampling and testing for the presence of coliform bacteria. The stipulations of this standard apply when this document has been referenced and only to the disinfection of water mains.