

ANSI/AWWA **C652-19**
(Revision of ANSI/AWWA C652-11)

AWWA Standard

Disinfection of Water-Storage Facilities

Effective date: April 1, 2020.

First edition approved by Board of Directors June 15, 1980.

13th edition approved Oct. 28, 2019.

Approved by American National Standards Institute Nov. 12, 2019.



American Water Works
Association



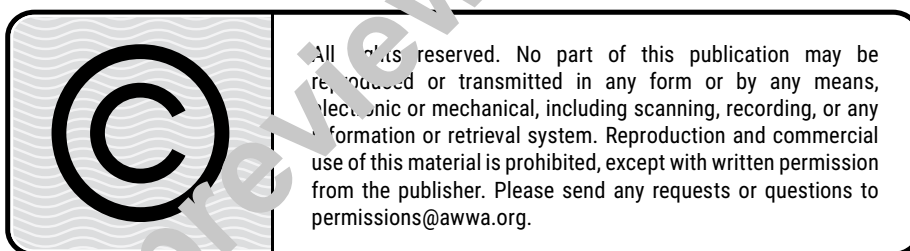
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ISBN-13, print: 978-1-62576-371-0

ISBN-13, electronic: 978-1-61300-541-5

DOI: <http://dx.doi.org/10.12999/AWWA.C652.19>

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Contents

All AWWA standards follow the general format indicated subsequently. Some variations from this format may be found in a particular standard.

SEC.	PAGE	SEC.	PAGE
Foreword		4	Requirements
I	Introduction..... vii	4.1	Materials and Cleaning..... 4
I.A	Background..... vii	4.2	Forms of Chlorine for Disinfection 5
I.B	History..... vii	4.3	Methods of Chlorination..... 6
I.C	Acceptance vii	4.4	Disinfection Procedures When Conducting Underwater Inspection and/or Cleaning of Potable Water Storage Facilities... 9
II	Special Issues..... viii	5	Verification
II.A	Information on Application of This Standard..... viii	5.1	Water Quality Sampling and Testing 13
III	Use of This Standard xi		Delivery 14
III.A	Purchaser Options and Alternatives xii	Appendices	
III.B	Modification to Standard xiii	A	Chlorine Residual Testing..... 15
IV	Major Revisions..... xvii	B	Chlorine Dosages 17
V	Comments xviii	Tables	
Standard		B.1	Amounts of Chemical Required to Give Various Chlorine Concentrations in 100,000 gal (378.5 m ³) of Water 17
1	General	B.2	Amounts of Chemical Required to Give a Chlorine Concentration of 200 mg/L in Various Volumes of Water 17
1.1	Scope..... 1		
1.2	Purpose 2		
1.3	Application..... 2		
2	References 2		
3	Definitions 3		



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Association**

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AWWA Standard

Disinfection of Water-Storage Facilities

SECTION 1: GENERAL

Sec. 1.1 Scope

This standard for disinfection of water-storage facilities describes materials, facility preparation, application of disinfectant to interior surfaces of facilities, and sampling and testing for the presence of coliform bacteria, chlorine residual, and acceptable aesthetic water quality. The standard also includes disinfection procedures for underwater inspection and/or cleaning of potable-water-storage facilities but does not describe the technical aspects of underwater inspection and/or cleaning. All new storage facilities shall be disinfected before they are placed in service. Depending upon the nature of work performed on an existing tank and the potential for contamination, disinfection and/or sampling only may be appropriate. Storage facilities dewatered for purposes of entering the tank and performing painting, repairs, or other highly invasive activities shall be disinfected and sampled. In some cases, the tank may remain in service, or isolated, for minimally intrusive activities such as ROV or diver inspections. Where rigorous sanitary procedures have been followed, only sampling may be required. This standard is meant to be used for tanks within public water systems and is not intended for storage tanks within 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.