

American Water Works Association
ANSI/AWWA D101-53 (R86)
(Reaffirmed without revision 1986)



AWWA STANDARD
FOR
INSPECTING AND REPAIRING STEEL
WATER TANKS, STANDPIPES, RESERVOIRS,
AND ELEVATED TANKS, FOR
WATER STORAGE



Reaffirmed without revision Feb. 3, 1979, and Jan. 26, 1986.

Revision approved:

AWWA, May 9, 1952

AWS, June 12, 1952

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AMERICAN WATER WORKS ASSOCIATION

6666 West Quincy Avenue, Denver, Colorado 80235

The document has been prepared by a standing joint committee representing the American Water Works Assn., the New England Water Works Assn. and the American Welding Society.

Latest Revision to D101

The most recent changes in AWWA Standard D101 were approved on May 9, 1952, by AWWA; on June 12, 1952, by AWS; and on Mar. 20, 1952, by NEWWA. The changes principally affect Sec. B-2, revising the terms for extra work, and Sec. B-6, on cleanliness. In addition, the entire section on painting (Sec. C) has been removed and, in revised form, constitutes a new specification, D102, which is being printed together with this edition of D101.

The revisions have all been incorporated into the text of the eighth printing dated September 1952, and later printings. The text of the seventh printing (November 1951) and earlier printings thus becomes obsolete.

This printing contains all of the revisions and changes referred to above. It also contains minor editorial changes made at the time of reaffirmation so that the reprinted standard is consistent with other current AWWA standards.

Committee Personnel

The AWWA Standards Committee on Steel Elevated Tanks, Standpipes & Reservoirs, which reviewed and reaffirmed this standard without revision, had the following personnel at that time:

R.E. Vansant, *Chairman*

Consumer Members

R.D. Davis, American Water Works Service Company,
Haddon Heights, N.J. (AWWA)
J.W. Houlihan, East Bay Municipal Utility District, Oakland, Calif. (AWWA)
A.V. La Monte Jr., Department of Water & Power, Los Angeles, Calif. (AWWA)

General Interest Members

P.C. Bucknam Jr., Whitman & Howard, Inc., Wellesley, Mass. (NEWWA)
W.T. Cashin, Factory Mutual Research, Norwood, Mass. (AWWA)
T.F. Cheyer, Camp, Dresser & McKee, Inc., Boston, Mass. (NEWWA)
H.J. Miedema, Robert Bein, William Frost & Associates,
Newport Beach, Calif. (AWWA)
L.F. Peters, Weston & Sampson Engineers, Boston, Mass. (NEWWA)
R.E. Vansant, Black & Veatch, Kansas City, Mo. (AWWA)
N.C. Ward, CH2M Hill, Denver, Colo. (AWWA)
J.A. Williams, Jordan, Jones & Goulding, Inc., Atlanta, Ga. (AWWA)

Producer Members

J.R. Buzek, Brown—Minneapolis Tank and Fabricating Company,
St. Paul, Minn. (AWS)
D.W. Christofferson,* Chicago Bridge & Iron Company, Oak Brook, Ill. (AWS)
A.R. Fugini, Pittsburgh-Des Moines Steel Company, Pittsburgh, Pa. (AWS)
H.K. Pedigo, Universal Tank & Iron Works, Indianapolis, Ind. (AWWA)
R.S. Wozniak, Chicago Bridge & Iron Company, Oak Brook, Ill. (AWS)

*Alternate

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AWWA STANDARD FOR INSPECTING AND REPAIRING STEEL WATER TANKS, STANDPIPES, RESERVOIRS, AND ELEVATED TANKS, FOR WATER STORAGE

INTRODUCTION

This document has been prepared by a joint committee of the American Water Works Assn., the New England Water Works Assn. and the American Welding Society. In developing this document, covering the inspection and repair of steel water storage tanks, standpipes and reservoirs, the associations make available to their members an outline of methods which, in the opinion of their committees, may properly be followed.

The principles which the committees feel that the tank* owner should follow in repairing a water storage tank are listed below. When the term "owner" is used, it may be taken to mean the person or corporation owning the works; the manager or superintendent of the water department or company; the water board or commission; the city council; or the mayor; that is, whoever is responsible for contracts made by and on behalf of the water utility, whether publicly or privately owned.

1. The tank owner should employ a disinterested inspector to look over the metal surface inside and out, to determine the condition of the paint and interior metal surfaces, and what repairs, if any, are needed. Tanks need repainting frequently, but, if properly maintained, repairs are rarely necessary.

2. The owner should invite any tank repair firm which he wishes to bid on a job to inspect the tank at the same time the inspector does, so that the prospective contractors have full information concerning the conditions.

3. The owner should have the tank drained, cleaned and dry, ready for inspection, on the announced date (*See Part A, Sec. A-1.4*).

*The word "tank" is used hereinafter broadly in place of the lengthy phrase "steel tanks, standpipes, reservoirs, or elevated tanks, for water storage."