BSR/ASHRAE Addendum e

to ANSI/ASHRAE Standard 188-2021

Public Review Draft

Proposed Addendum e to Standard 188-2021, Legionellosis: Risk Management for Building Water Systems

Second Public Review (August 2021)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed standard, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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This foreword is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.

FOREWORD

This addendum adds a new Normative Annex B regarding minimum requirements when Legionella testing is chosen by the Program Team, and renames the current Informative Annex B, “Bibliography,” to Informative Annex C, “Bibliography.”

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and strikethrough (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.

Modify Informative Annex B as shown. The remainder of the annex remains unchanged.

INFORMATIVE ANNEX BC—BIBLIOGRAPHY

Rename current Informative Annex C to new Normative Annex B. Modify new Normative Annex B as shown.

(This is a normative annex and is not part of this standard. It is merely informative and does not contain requirements necessary for conformance to the standard. It has not been processed according to the ANSI requirements for a standard and may contain material that has not been subject to public review or a consensus process. Unresolved objectors on informative material are not offered the right to appeal at ASHRAE or ANSI.)

INFORMATIVE NORMATIVE ANNEX CB—GUIDANCE IF LEGIONELLA TESTING IS UTILIZED IN THE ABSENCE OF SUSPECTED OR CONFIRMED FACILITY-ASSOCIATED DISEASE

When testing of environmental water samples is utilized, it should be performed by a laboratory with demonstrated proficiency in the subject method, such as may be evidenced by certification by a national, regional, or local government agency or by an accredited nongovernmental organization (NGO).

Laboratories performing routine microbiological testing of environmental water samples should be accredited by a regional, national, or international accrediting body according to a nationally or internationally recognized standard, for example ISO/IEC 17025:2017, General Requirements for the Competence of Testing and Calibration Laboratories, or similar. Legionella testing should be included in the laboratory’s scope of accreditation.

Laboratory Testing Used to Validate the Program. If the Program Team determines that laboratory testing for Legionella will be used to validate the Program, laboratories performing the testing must be accredited by a regional, national, or international accrediting body according to ISO/IEC 17025, General Requirements for the Competence of Testing and Calibration Laboratories, or another nationally or internationally recognized laboratory accreditation standard, and:

a. the laboratory must demonstrate competence to an accreditation body,

b. the Legionella test method used must be included in the laboratory’s scope of accreditation, and

c. must include at least an annual Legionella Proficiency Test sample acceptable to the accreditation body.
**Informative Note:** It is important to understand the characteristics of the *Legionella* test method utilized, such as, but not limited to, sensitivity, limit of detection, and specificity. In the case of suspected or confirmed facility-associated disease, consult the AHJ for response and testing requirements. For additional guidance about *Legionella* testing, refer to ASHRAE Guideline 12, *Managing the Risk of Legionellosis Associated with Building Water Systems*.

If a choice is made to test for *Legionella*:

1. **Laboratory Testing:**
   a. the laboratory shall have the capability to meet the testing requirements established by the user, and
   b. the laboratory shall be accredited by a regional, national, or international accrediting body to a nationally or internationally recognized standard that, at a minimum, requires the use of revision controlled standard operating procedures for testing, documentation of the performance of the characteristics of tests, periodic proficiency testing, and periodic independent audits verifying compliance, such as to ISO/IEC 17025, and *Legionella* testing shall be included in the laboratory’s scope of accreditation.

2. **Non-Laboratory Testing.** The provider shall supply the user with documentation or evidence that the performance characteristics of the method of testing for *Legionella* has been validated to a recognized consensus standard, such as those available from ISO, ASTM, and Standard Methods for *Legionella*, by a qualified, independent third party.