



ADDENDA

**ANSI/ASHRAE Addendum b to
ANSI/ASHRAE Standard 188-2018**

Legionellosis: Risk Management for Building Water Systems

Approved by ASHRAE and the American National Standards Institute on May 29, 2020.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. Instructions for how to submit a change can be found on the ASHRAE® website (<https://www.ashrae.org/continuous-maintenance>).

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FOREWORD

Addendum b modifies Section 3, "Definitions," of Standard 188 to harmonize terminology with ASHRAE Guideline 12.

Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum b to Standard 188-2020

Modify Section 3 as shown. The remainder of Section 3 is unchanged.

3. DEFINITIONS

Terms, abbreviations, and acronyms in this section are defined concisely within the context of their use in this standard. Terms not defined in this section have their ordinary accepted meanings based on Standard American English language usage as found in an unabridged dictionary.

[...]

building water systems: hot and cold potable water systems and nonpotable water systems in the building or on the site.

[...]

control limit: a maximum value, a minimum value, or a range of values ~~of to which~~ a chemical or physical parameter associated with a control measure ~~that are~~ must be monitored and maintained in order to reduce the occurrence of a hazardous condition to an acceptable level.

[...]

control measure: ~~a disinfectant~~ the disinfection, heating, cooling, filtering, flushing, or other means, ~~methods, or procedures used~~ to maintain the physical or chemical conditions of water to within control limits.

[...]

disinfectant (biocide): chemical agent or physical treatments used to kill or inactivate ~~pathogens~~ microorganisms.

[...]

disinfection: the process of killing or inactivating ~~pathogens~~ microorganisms.

[...]

hazard: *Legionella* bacteria in a building water system that, in the absence of control, ~~has the potential to~~ can cause harm to humans.

[...]

immunocompromised: a condition describing an individual who has increased susceptibility to infections due to existing human disease or condition, medication regimens, or other types of medical treatment. (See *at-risk*.)

[...]

Legionella: ~~the name of the genus of bacteria that was subsequently identified as the causative pathogen associated with the 1976 outbreak of disease at the American Legion convention in Philadelphia.~~ *Legionella* are common aquatic bacteria found in natural and building water systems, ~~as well as~~ and in some soils. This genus of bacteria can cause a pneumonia called

“Legionnaires’ disease” or a flu-like illness called “Pontiac fever” when inhaled, aspirated, or directly introduced into the lungs of susceptible individuals.

[. . .]

nonpotable: water not intended for human consumption, such as water not intended for drinking, bathing, showering, hand washing, teeth brushing, food preparation, dishwashing, and maintaining oral hygiene.

[. . .]

potable water system: a building water distribution system that provides hot or cold water intended for human consumption, such as water intended for drinking, bathing, showering, hand washing, teeth brushing, food preparation, dishwashing, and maintaining oral hygiene.

POLICY STATEMENT DEFINING ASHRAE'S CONCERN FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES

ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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