



ADDENDA

**ANSI/ASHRAE Addendum d to
ANSI/ASHRAE Standard 188-2015**

Legionellosis: Risk Management for Building Water Systems

Approved by the ASHRAE Standards Committee on January 28, 2017; by the ASHRAE Tech Council on February 1, 2017; and by the American National Standards Institute on February 2, 2017.

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FOREWORD

This addendum revises Sections 4, 7 and 8. Section 4.1, "Building Designer Requirements," now specifies that a building designer shall review the building design, and the requirement to survey a new building design has been removed.

The requirement to delineate the height of either the discharge outlet or makeup valve relative to the overflow of the tower basin has been removed from Section 7.2.7, "Location of Cooling Tower Makeup Valve."

The requirement for the designer to provide detailed instructions for the commission of all building water systems has been removed from Section 8.4, "Commissioning."

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 d to Standard 188-2015

Modify the Section 4.1.1 as follows.

4.1 Building Designer Requirements

4.1.1 The building designer shall review ~~Survey~~ each new building design and its water systems to determine if the design contains any of the devices or factors described in Sec-

tion 5 that relate to *legionellosis*. If the building and associated property has

- a. any of the *building water systems* in Section 5.1, then all of those *building water systems* in the new building design shall comply with all applicable requirements of Section 8 of this standard.
- b. any of the factors listed in Section 5.2, then the new building design shall comply with the requirements of Section 8 of this standard.

Modify the Section 7.2.7 as follows.

7.2.7 Location of Cooling Tower Makeup Valve. The *Program* documents shall include requirements for the location of cooling tower makeup valves and for maintaining compliance with all applicable local, regional, and national codes and regulations for air gaps and backflow preventers, ~~and for the height of the discharge outlets and makeup valve over the rim of the overflow in the cooling tower or evaporative condenser cold water basins.~~ If no such codes and regulations exist for the location, then the *Program* shall include requirements for maintaining compliance with ASME/ANSI A112.1.2¹ for air gaps and for maintaining compliance with codes and regulations applicable to other locations, selected by the owner or *designee*, for backflow preventers, ~~and for the height of the discharge outlets and makeup valve over the rim of the outflow in the cooling tower or evaporative condenser cold water basins.~~

Modify the Section 8.4 as follows.

8.4 Commissioning. ~~Detailed i~~nstructions for commissioning of all *building water systems* shall be provided, ~~by the designer in the plans and specifications.~~ Commissioning shall include the following: [. . .]

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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