ASHRAE Shaping Tomorrow's Built Environment Today

Volume XII, Issue 14

April 8, 2022

STANDARDS ACTIONS

PUBLIC REVIEW—CALL FOR COMMENTS

Constructive comments are invited for the following Public Review Drafts at https://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts. All activity for reviewing and commenting on public review drafts can be accomplished completely online. To obtain a paper copy of any Public Review Draft contact ASHRAE, Inc. Attn: Standards Public Review, 180 Technology Parkway, Peachtree Corners, GA 30092, or via email at: standards.section@ashrae.org. **Note: Paper copies are available for $35.00/copy if 100 pages or less and $45.00 if over 100 pages.**

30-day Public Review from April 8, 2022 to May 8, 2022

- **1st Public Review of BSR/ASHRAE Addendum *j* to ANSI/ASHRAE Standard 62.1-2019, *Ventilation for Acceptable Indoor Air Quality***

The underlying principles of dilution are rooted in mass balance and the rates in the standard are reported in standard CFM, as indicated by Section 6.2.1.1.3. The standard presently allows the designer to adjust for actual air density, but a survey of actual design practice indicates that this correction is rarely if ever applied to the ventilation rates. Therefore, the committee is proposing that the rates be adjusted for actual air density, which is primarily driven by the elevation of the outdoor air intake. Adjustments for temperature and humidity play a much less significant role in density, so the designer is generally permitted to neglect these considerations, although it should be noted that areas of extreme temperature and humidity could consider these effects, which may reduce the elevation adjustments for regions with extremely cold temperatures or regions with extremely high humidity. The committee recognizes that this change will increase required ventilation rates in most areas.

- **1st Public Review of BSR/ASHRAE Addendum *m* to ANSI/ASHRAE Standard 62.2-2019, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings***

This proposed addendum increases the designated minimum efficiency of certain filters from MERV 6 to MERV 11, with comparable increases to minimum particle size efficiencies established using AHRI Standard 680. This change is proposed to improve indoor air quality by reducing the concentration of particulate matter, specifically by establishing a minimum performance to address particulates with a diameter of 0-2.5 µm.

45-day Public Review from April 8, 2022 to May 23, 2022

- **4th Public Review of BSR/ASHRAE Addendum *ab* to ANSI/ASHRAE Standard 62.1-2019, *Ventilation for Acceptable Indoor Air Quality***

Using CO_2 to control outdoor air ventilation rates, called Demand Control Ventilation (DCV), has become increasingly popular to achieve energy savings in buildings that have varying occupancy rates. Specific requirements are therefore needed on how to use CO_2 concentration for DCV. This proposed addendum adds differential CO_2 concentration setpoints above ambient to Table 6-1 specifically for use with CO_2 DCV systems. The values were determined based on steady-state equations and outdoor air ventilation rates from Table 6-1 based on the default occupant density and default air temperature and pressure; values of CO_2 generation rates based on activity level, gender, body mass, and age per ASTM D6245-2018 and Persily & de Jonge 2017; assumptions regarding activity level and the mix of gender, body size, and age in each space based on SSPC judgment; zone air distribution effectiveness (Ez) equal to 1.0, because the CO_2 in the space is what is being controlled and the actual airflow delivery will automatically adjust for Ez less than or more than 1.0.

INTERIM MEETINGS

A complete listing of project committee interim meetings is provided on ASHRAE's website at: https://www.ashrae.org/technical-resources/standards-and-guidelines/project-committee-interim-meetings.

GPC 44P, *Protecting Building Occupants from Smoke During Wildfire and Prescribed Burn Events*, will hold a web meeting on April 27, 2022, from 3:00 pm to 5:00 pm (Eastern). For additional information contact Steven Emmerich, Chair of GPC 44 (steven.emmerich@nist.gov).

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INTERIM MEETINGS

- **GPC 45P, *Measurement of Whole Building Performance for Occupied Buildings except Low-Rise Residential Buildings,*** will hold virtual meetings from 11:30 am to 12:30 pm (Eastern) on the following dates:
  - ⇨ April 18, 2022
  - ⇨ May 9, 2022

  For additional information contact Hyojin Kim, Chair of GPC 45 (hyojin.kim@njit.edu).

- **SSPC 34, *Designation and Safety Classification of Refrigerants,*** will hold a virtual meeting on Thursday, May 5th, 2022, from 8:00 AM to 11:00 AM (Eastern)
  - ⇨ The Toxicity Subcommittee of SSPC 34 will hold a virtual meeting on Wednesday, April 6th, 2022, from 8:00 AM to 10:00 AM (Eastern)
  - ⇨ The Flammability Subcommittee of SSPC 34 will hold a virtual meeting on Monday, April 11th, 2022, from 9:00 AM to 11:00 AM (Eastern)

  For additional information, please contact Ryan Shanley, Staff Liaison to SSPC 34 (rshanley@ashrae.org).

- **SPC 35-2014R, *Method of Testing Refrigerant Driers and Desiccant Materials,*** will hold a web meeting on April 20, 2022 from 2:30 pm to 4:30 PM (Eastern). For additional information contact Mandi Lippard, Chair of SPC 35 (mandi.lippard@lubrizol.com).

- **SSPC 41, *Standard Methods of Measurement***
  - ⇨ **Standard 41.4-2015R, *Standard Methods for Proportion of Lubricant in Liquid Refrigerant Measurement,*** will hold a web meeting on May 3, 2022 from 11:00 am to 12:00 pm (Eastern). For additional information contact James Douglas (jim.douglas.imagineering@gmail.com), Chair of the 41.4 Subcommittee.

- **SSPC 62.2, *Ventilation and Acceptable Indoor Air Quality in Residential Buildings*,** will hold a web meeting on May 19, 2022 from 11:00 am to 2:00 pm (Eastern). For additional information contact Mark Weber (mweber@ashrae.org).

- **SPC 224P, *Standard for the Application of Building Information Modeling,*** will hold a conference call on April 21, 2022, from 3:00 pm to 4:00 pm (Eastern). For additional information contact Stephen Roth, Chair of SPC 224 (stephenroth@gmail.com).

INTERIM MEETINGS

- **SPC 228P, *Standard Method of Evaluating Zero Energy Building Performance,*** will hold conference calls Wednesdays from 2:00 pm to 5:00 pm (Eastern) on the following dates:
  - ⇨ April 27, 2022
  - ⇨ May 25, 2022

  For additional information, please contact Keith Emerson, Chair of SPC 228 (kemerson2002@yahoo.com).

CALL FOR MEMBERS

A *Call for Members* is announced for the following project comittee. Persons who are interested in serving on this ASHRAE committee are asked to indicate their interest by completing the online membership application forms listed under Instructions for New Applicants at https://www.ashrae.org/pcmemberapp or by contacting Connor Barbaree at: ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092; phone: 678-539-1138; fax: 678-539-2138; email: Standards.Section@ashrae.org.

- **ANSI/ASHRAE Standard 147-2019, *Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning Equipment and Systems***

  1. PURPOSE: This standard establishes practices and procedures that will reduce inadvertent release of halogenated refrigerants.
  2. SCOPE: The practices and procedures in this standard cover release reduction of halogenated hydrocarbon and halogenated ether refrigerants in the following circumstances:
  (a) from stationary refrigeration, air-conditioning, and heat-pump equipment and systems;
  (b) during manufacture, installation, testing, operation, maintenance, repair, and disposal of equipment and systems.

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JOIN A LISTSERVE

Click on the following link to learn more about ASHRAE Standards Activities https://www.ashrae.org/listserves.

- SSPC 41 — Standard Methods for Measurement
- SSPC 62.1 — Ventilation for Acceptable Indoor Air Quality
- SSPC 62.2 — Ventilation and Acceptable Indoor Air Quality in Residential Buildings
- SSPC 90.1 — Energy Standard for Buildings Except Low-Rise Residential Buildings
- SSPC 90.2 — Energy Efficient Design of Low-Rise Residential Buildings
- SPC 90.4 — Energy Standard for Data Centers and Telecommunications Buildings
- SSPC 161 — Air Quality within Commercial AirCraft
- SSPC 188 — Legionellosis: Risk Management for Building Water Systems
- SSPC 189.1 — Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings
- Code Interaction Subcommittee (CIS)