

MEETING LOG

PRODUCT: Spray Polyurethane Foam

SUBJECT: ASTM D22.05 Indoor Air Committee Meeting

LOCATION: Hilton, Washington DC

DATE: 10/23/2018

ENTRY DATE: 2/7/2019

LOG ENTRY SOURCE: Adrienne Layton

COMMISSION ATTENDEES: Adrienne Layton

NON-COMMISSION-ATTENDEES: See ASTM for roster

MEETING SUMMARY:

The agenda included discussion of ballot results from the last meeting (WK61814, WK62022, WK64178):

- WK61814 REVISION of **D6670** Practice for Full-Scale Chamber Determination of Volatile Organic Emissions from Indoor Materials/Products. Ballot close date: 07-24-18; Approved: 09-01-18. Technical Contact: Mason, Mark.
- WK62022 REVISION of **D7859** Practice for Spraying, Sampling, Packaging, and Test Specimen Preparation of Spray Polyurethane Foam (SPF) Insulation for Testing of Emissions Using Environmental Chambers. Ballot close date: 07-24-18. Technical Contact: Sebroski, John.
- WK64178 WITHDRAW - NO REPL of **D6345** Guide for Selection of Methods for Active, Integrative Sampling of Volatile Organic Compounds in Air. Technical Contact: Watson, Nicola.

The following standards were reviewed:

- **D6669-2012** Practice for Selecting and Constructing Exposure Scenarios for Assessment of Exposures to Alkyd and Latex Interior Paints (**WK60706**). Status: Overdue. Technical Contact: Hodgson, Alfred.
- **D6803-2013** Practice for Testing and Sampling of Volatile Organic Compounds (Including Carbonyl Compounds) Emitted from Paint Using Small Environmental Chambers (**WK60707**). Status: Ballot Action Required. Technical Contact: Hodgson, Alfred.
- **D5157-1997(2014)** Guide for Statistical Evaluation of Indoor Air Quality Models. Status: Review for Ballot (**WK65099**). Technical Contact: Liu, Xiaoyu.

- **D6177-2014** Practice for Determining Emission Profiles of Volatile Organic Chemicals Emitted from Bedding Sets (**WK63223**). Status: Review for Ballot. Technical Contact: Caroline Widdowson and John Sebroski.
- **D6178-2014** Practice for Estimation of Short-term Inhalation Exposure to Volatile Organic Chemicals Emitted from Bedding Sets. Status: Review for Ballot. Technical Contact: Dustin Poppendieck.
- **D6330-1998(2014)** Practice for Determination of Volatile Organic Compounds (Excluding Formaldehyde) Emissions from Wood-Based Panels Using Small Environmental Chambers Under Defined Test Conditions. Status: Review for Ballot. Technical Contact: Dustin Poppendieck.
- **D7297-2014** Practice for Evaluating Residential Indoor Air Quality Concerns. Status: Review for Ballot. Technical Contact: Ying Wang.
- **D7911-2014** Guide for Using Reference Material to Characterize Measurement Bias Associated with Volatile Organic Compound Emission Chamber Test. Status: Review for Ballot. Technical Contact: Dustin Poppendieck.

The following work items were not on the ballot due to reinstatement work items or new standards:

- **WK28325** New Standard Estimating Inhalation Exposure Concentrations in Low-rise Residential Buildings Resulting from Volatile Organic Compounds Emitted by New Building Products and Furnishings and from Use of Consumer Products. Technical Contact: Hodgson, Alfred T.
- **WK56422** New Standard Test Method for Determination of volatile Organic Compounds in Atmospheres (Active Absorbent, Thermal Desorption Method). Technical Contact: Merrill, Jr, Raymond G.
- **WK58354** New Standard Measuring Chemical Emissions from Spray Polyurethane Foam (SPF) Insulation Samples in a Large-Scale Spray Room. Technical Contact: Wood, Richard D.
- **WK58355** New Standard Estimating Emissions of Methylene diphenyl diisocyanate (MDI) from Spray Polyurethane Foam (SPF) Insulation using Emission Cells or Micro-Scale Environmental Test Chambers. Technical Contact: Sebroski, John R
- **WK58356** New Standard Conducting emission and fate modeling for Spray Polyurethane Foam (SPF) insulation in an indoor environment. Technical Contact: Sebroski, John R, Shen Tian.
- **WK58715** New Standard Cleaning and Certification of Specially Prepared Canisters. Technical Contact: Henningsen, Samantha.
- **WK62732** New Standard Performance Evaluation of Consumer-Grade Indoor Air Quality Sensors and Sensing Devices. Technical Contact: Moore, James.
- **WK58392 D5466-2015** Determination of Volatile Organic Compounds in Atmospheres (Canister Sampling Methodology). Technical Contact: Merrill, Jr, Raymond.

- **WK62138 D8142-2017** Determining Chemical Emissions from Spray Polyurethane Foam (SPF) Insulation using Micro-Scale Environmental Test Chambers. Technical Contact: Sebroski, John
- **WK64308 D6245-2018** Using Indoor Carbon Dioxide Concentrations to Evaluate Indoor Air Quality and Ventilation. Technical Contact: Persily, Andrew.

Notes:

- There are 511 members on the D22.05 Indoor Air subcommittee.
- One goal of the subcommittee is to develop a standardized model to determine re-entry time for home occupants and contractors. Some chamber studies with different air exchange rates, chamber sizes and other parameters were discussed. More than one model might be necessary to answer specific questions involving spray foam application, such as standardization of formulations as well as re-entry time.
- There is a request for volunteers for an intra-laboratory study with standardized foam to measure the emissions from the foam in a statistical manner.