

Spray Polyurethane Foam (SPF) Insulation

Staff Contact Layton, Adrienne

**Voluntary
Standard(s)**

Standard Practice for Spraying, Sampling, Packaging, and Test Specimen Preparation of Spray Polyurethane Foam (SPF) Insulation for Testing of Emissions Using Environmental Chambers (ASTM D7859-19)
Standard Test Method for Determining Chemical Emissions from Spray Polyurethane Foam (SPF) Insulation using Micro-Scale Environmental Test Chambers (ASTM D8142-17)

Proposed New Standards under the jurisdiction of D22.05:
New Test Method for Determination of Vapor-Phase Organic Compounds Emitted from Spray Polyurethane Foam (SPF) Using Sorbent Tubes Analyzed by Thermal Desorption Gas Chromatography and Mass Spectrometry (WK40292)
Measuring Chemical Emissions from Spray Polyurethane Foam (SPF) Insulation Samples in a Large-Scale Spray Room (WK58354)
Estimating Emissions of Methylene diphenyl di-isocyanate (MDI) from Spray Polyurethane Foam (SPF) Insulation using Emission Cells or Micro-Scale Environmental Test Chambers (WK58355)
Conducting emission and fate modeling for Spray Polyurethane Foam (SPF) insulation in an indoor environment (WK58356)

**Mandatory
Standard(s)**

N/A

**Standard(s)
Update**

ASTM D7859-19, the latest revision of the *Standard Practice for Spraying, Sampling, Packaging, and Test Specimen Preparation of Spray Polyurethane Foam (SPF) Insulation for Testing of Emissions Using Environmental Chambers* was approved and published in 2019. This standard was revised to be consistent with other ASTM standards using micro-scale chambers.

Purpose

To work with ASTM on developing new standards to address hazards associated with chemical emissions from spray polyurethane foam insulation.

FY19 Activities

Staff participated two ASTM D22.05 subcommittee meetings on Indoor Air, one in October 2018 and the other in April 2019. In October, the subcommittee discussed recent ballot results and the status of all the standards in the subcommittee. Also at the October meeting, the subcommittee discussed an intra-laboratory study with standardized foam to measure the emissions from the foam in a statistical manner. In April, the subcommittee discussed a new full-scale SPF chamber emission test protocol. Also at the April meeting, the subcommittee discussed procedures for measuring the chemical emissions of semi-volatile and

volatile organic compounds from SPF insulation samples in a spray booth,

**Planned FY20
Activity**

Staff will continue to provide technical support to the subcommittee and participate in future subcommittee meetings.

Stationary Activity Centers

Staff Contact Lee, Kevin

**Voluntary
Standard(s)** *Standard Consumer Safety Specification for Stationary Activity Centers* (ASTM F2012-18^{e1})

**Mandatory
Standard(s)** *Standard Consumer Safety Specification for Stationary Activity Centers*, 16 CFR part 1238 (84 FR 28205), June 18, 2019, was approved and published during FY19.

**Standard(s)
Update** The mandatory safety standard 16 CFR 1238, *Standard Consumer Safety Specification for Stationary Activity Centers*, was approved and published during FY19.

Purpose To work with ASTM on revising the standard to: (1) strengthen its safety provisions addressing hazards, and (2) form the basis of a federal standard intended to reduce hazards associated with stationary activity centers.

FY19 Activities Staff participated in the F15.17 subcommittee meeting held in October 2018. During the meeting, staff provided a review of the strap integrity activity and recommendations for the standard to address incidents associated with strap failures due to fraying. CPSC-provided incident data were also reviewed. During the meeting, a new task group was formed to investigate similarities between stationary activity centers and infant floor seats. Staff will participate in the new task group.

Staff also attended the strap integrity task group meeting held in December 2018. The task group discussed an option to perform a life cycle test (25 pounds, 120,000 cycles) or to include a redundant strap that would encapsulate the entire system with a separate anchoring point. Staff attended task group teleconferences in May, July, and August focused on drafting requirements for a redundant strap safety system and a life cycle test.

ASTM F2012-18^{e1} was published in March 2018. On June 5, 2019, staff submitted a final rule briefing package to the Commission, recommending the Commission accept the standard as a mandatory safety standard. The Commission

voted to accept the standard. On July 23, 2019, the *Federal Register* published a final rule mandating ASTM F2012-18^{e1} as 16 CFR part 1238 (84 FR 28205).

**Planned FY20
Activity**

Staff will continue to attend and participate in future subcommittee meetings.

Swimming Pools/Spas, Drain Entrapment

Staff Contact Baker, Brian

Voluntary Standard(s) *American National Standard for Suction Fittings for Use in Swimming Pools, Wading Pools, Spas, and Hot Tubs (ANSI/APSP 16-2017).*

Mandatory Standard(s) 16 CFR part 1450, *Virginia Graeme Baker Pool and Spa Safety Act*

Standard(s) Update The *Virginia Graeme Baker Pool and Spa Safety Act*, 16 CFR part 1450, was updated during FY19 to reference the most recent version of the voluntary standard, ANSI/APSP 16-17.

Purpose To work with PHTA to ensure that the voluntary standard and the corresponding federal mandatory standard maintain adequate safety levels addressing entrapment hazards in swimming pools, wading pools, spas, and hot tubs available to the general public, as well as products like pool drain covers.

FY19 Activities The National Swimming Pool Foundation® and APSP announced on January 22, 2019 that the organizations will unify to form the Pool & Hot Tub Alliance (PHTA). PHTA will be the official trade organization to manage certifications, standards, etc. for the pool, hot tub and spa industry.

Staff informed the voluntary standards committee on May 23, 2019 that the Commission voted to adopt ANSI/APSP-16-2017 as a standard referenced in the *Virginia Graeme Baker Pool and Spa Safety Act*.

**Planned FY20
Activity**

Staff will continue to work with the committee to monitor the effectiveness of the standard and make any revisions necessary.

Swimming Pools/Spas Safety, Vacuum Relief System

Staff Contact Baker, Brian

Voluntary Standard(s) *Standard for Safety Vacuum Release Systems, Automatic Pump Shut-Off Systems, and Shut-Off Systems, and Vacuum Limiting Systems for Swimming Pools, Spas, Wading Pools, Hot Tubs, and Catch Pools - APSP 17 (proposed standard, not yet approved).*

Mandatory Standard(s) 16 CFR part 1450, *Virginia Graeme Baker Pool and Spa Safety Act*

Standard(s) Update No standards associated with this product were updated during FY19.

Purpose To work with PHTA on revising the standards to strengthen safety provisions and to ensure that the voluntary standard and the corresponding federal mandatory standard maintain adequate safety levels addressing hazards associated with safety vacuum release systems (SVRS) for swimming pools, spas, wading pools, and hot tubs.

FY19 Activities The National Swimming Pool Foundation® and APSP announced on January 22, 2019 that the organizations will unify to form the Pool & Hot Tub Alliance (PHTA). PHTA will be the official trade organization to manage certifications, standards, etc. for the pool, hot tub and spa industry.

Staff received a draft version of APSP-17 from the standards committee and has begun to review it.

Planned FY20 Activity Staff will complete the review of the draft standard and provide comments to the standards committee.

Table Saws (formerly Power Equipment)

Staff Contact Paul, Caroleene

Voluntary Standard(s) *Electric Motor-Operated Hand-Held Tools, Transportable Tools and Lawn and Garden Machinery – Safety – Part 2-1: Particular Requirements for Transportable Table Saws (ANSI/UL 62841-3-1)*

Mandatory Standard(s) *NPR Safety Standard Addressing Blade-Contact Injuries on Table Saws (82 FR 22190 (May 12, 2017))*

Standard(s) Update No standards associated with this product were updated during FY19.

system, and balloting the rigid cord shroud requirement that was finalized by the task group, reaching out to online sellers and developing a guidance document for online sellers and providing clarification on whether the standard applies to curtain and drapery products. WCMA responded on August 12, 2019 and stated that they have put on hold the planned revision of ASNI/WCMA standard because the Government of Canada published a new regulation on corded window coverings. WCMA also stated that they are still moving forward with balloting the rigid shroud language for the standard. The letter did not state when this ballot would be issued.

*Planned FY20
Activity*

Staff will encourage WCMA to open its standard to address custom products and will attend and participate in upcoming committee meetings as they are scheduled and will review and comment on any ballots issued by WCMA.