Summary of Substantive Changes between the 2013a and the 2015a editions of ASTM F876 “Crosslinked Polyethylene (PEX) Tubing”

Presented to the IAPMO Standards Review Committee on December 7, 2015

**General:** The changes to this standard should not have an impact on currently listed products. The major changes are:

- Clarified the terminology of the tubing materials designation code (see Section 3.2.7.1)
- Increased the revised recommended spacing between horizontal supports for NTS-1-1/4 and larger from 32 in (800 mm) to 48 in (1200 mm) (see Appendix X3.1.5)

Section 3.2.7.1, standard thermoplastic tubing materials designation code: Clarified the terminology of the tubing materials designation code as follows:

3.2.7.1 Discussion—
*The first digit is for chlorine resistance tested in accordance with Test Method F2023.*

1. A digit “0” indicates that the PEX tubing either has not been tested for chlorine resistance or that the PEX tubing does not meet the minimum requirement for chlorine resistance.
2. A digit “1” indicates the PEX tubing has been tested and meets the F876 requirement of 6.10 for minimum chlorine resistance at the end use condition of 25% at 140°F (60°C) and 75% at 73°F (23°C).
3. A digit “2” is reserved for future application.
4. A digit “3” indicates that the PEX tubing has been tested and meets the F876 requirement of 6.10 for minimum chlorine resistance at end use condition of 50% at 140°F and 50% at 73°F.
5. A digit “4” is reserved for future application.
6. A digit “5” indicates that the PEX tubing has been tested and meets the requirement of 6.10 for minimum chlorine resistance at end use conditions of 100% of the time at 140°F

Appendix X3, DESIGN, ASSEMBLY. AND INSTALLATION CONSIDERATIONS: Increased the revised recommended spacing between horizontal supports for NTS-1-1/4 and larger from 32 in (800 mm) to 48 in (1200 mm) as follows:

X3.1.5 Horizontal Support Spacing—The maximum recommended spacing between horizontal supports is 32 in. (800 mm) for diameters nominal tube sizes up to 1 in. Maximum spacing for nominal sizes 1 1/4 in. and larger is 48 in. (1200 mm) or as stated in the manufacturer’s instructions. Crosslinked polyethylene tubing should not be rigidly secured to a stud or joist but should be secured with smooth plastic strap hangers, which permit ease of movement during expansion/contraction cycles.