Summary of Substantive Changes between the 2008 and the 2014 editions of ASTM D3034 “Type PSM Poly(Vinyl Chloride) (PVC) Sewer Pipe and Fittings”

Presented to the IAPMO Standards Review Committee on April 7, 2014

General: The changes to this standard might have an impact on currently listed products. The substantive change is:

- Revised the allowable minimum inside diameter of fabricated fittings (see Section 7.4.2.5 and Table 5)
- Added additional requirements for welds and solvent cement joints (see Section 7.4.2.6)
- Added the requirement to mark the insertion depth on gasketed pipe (see Section 12.1.6)

Section 7.3.3 Wall Thickness of Molded Fittings: Included the following clarification of the wall thickness requirement in the body of the standard. The clarification was formerly an informational footnote in Table 1:

7.3.3.2 The wall thickness is a minimum value except that a ±10% variation resulting from core shift is allowable. In such a case, the average of two opposite wall thicknesses shall equal or exceed the value shown in Table 1.

Section 7.4.2, Fabricated Fittings General Requirements: Changed the reference from Table X.1.1 to Table 5 which revised the allowable minimum inside diameter of fabricated fittings. And, added additional requirements for welds and solvent cement joints as follows:

7.4.2.5 No fabricated fitting shall have an inside diameter dimension smaller than the value shown in Table 5 base inside diameter listed in Table X1.1 for that pipe size and DR for which it is designed.

7.4.2.6 All welds and solvent cement joints shall be sound and free of visible defects and shall have full surface-to-surface contact when visually inspected. The full surface-to-surface contact of socket and spigot does not apply in the areas where a taper, chamfer, or radius exists at the socket entrance.

Section 8, Test Methods: Sections 7.4.3 through 7.4.4 were moved to New Section 8.11 and former informational Notes 6 and 7 were incorporated as requirements in the standard.

Section 12, Marking: Added the requirement to mark the insertion depth on gasketed pipe as follows:

12.1.6 Gasketed pipe shall be marked with an insertion depth mark on the spigot end.

Table 5, Minimum Inside Diameter of Fabricated Fittings: Added new table to specify the minimum inside diameter of fabricated fittings.