Summary of Changes
between the 2011a and 2007 editions of
ASTM F877, “Crosslinked Polyethylene (PEX) Hot- and Cold-Water Distribution Systems”

Section 1.1, snow and ice melting systems, was added to the scope.

Section 3.3, Definition of relation between standard dimension ration, stress, and internal pressure, was deleted.

Section 4.2, basic materials description, was deleted.

Section 4.2, ASTM F2735 and F2845 were added as standards applicable to fitting and manifold materials.

Section 5.1, ASTM F876 was added as standard applicable to tubing.

Section 6.1.2, out-of-roundness, was deleted.

Table 1, Outside diameters and tolerances for PEX tubing, was deleted.

Table 2, Wall thickness and tolerances for PEX SDR 9 plastic tubing, was deleted.

Section 6.2.1, ASTM F2080, F2159, F2434, and F2735 or other recognized specification were added as standards applicable to fitting dimensions and tolerances.

Section 6.2.2, ASTM F876 was added as standard applicable to tubing.

Section 6.3, corrosion resistance, was added.

Section 6.6, Bent tube hydrostatic sustained pressure strength, was deleted.

Sections 6.6.1.1 and 6.7.2.1 with requirements for testing manifolds with integral shut-offs, were added

Section 10.1.1 with requirements for rolled, molded, hot-stamped, etched or printed markings, was added.

Section 10, Marking: Sections 10.2.4 to 10.2.9, 10.3 and 10.4 with various marking requirements, were deleted.

Appendix X2.1, Design, was deleted.

Sections X2.3.3, Repairs, X2.3.5, Hot bending of tubing, and X2.3.6, Cold bending of tubing, under Assembly, were deleted.

Table X3.1 was simplified and reduced.