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NSF standard(s) impacted: NSF-14 – Table 9.31

Purpose and background:

NSF-14 Table 9.31 shows that the Flattening Test for C900 pipe should be conducted every 8 hours on all sizes. However the AWWA C900-22 standard section 5.1.6 indicates that the test should be at Start-Up on all sizes, and every 8 hours on sizes less than 14”.

Excessive testing of large diameter pipe generates waste and increases scrap rate while conducting a test that does not produce failures.

Recommendation:

It is recommended that NSF-14 Table 9.31 be updated to match the current C900-22.

^a Beginning of production of each material and size and thereafter one specimen from each extrusion outlet.

^a Beginning of production of each material and size, and thereafter one specimen from each extrusion outlet **for nominal diameters less than 14”.**

Supplementary materials (photographs, diagrams, reports, etc.):

AWWA C900-22

5.1.6 *Flattening capability.* The flattening capability of pipe produced from each extrusion outlet shall be tested in accordance with Sec. 4.3.3.4 at the beginning of production of each specific compound and each size. The test shall

also be run immediately following any change from established running conditions that could affect extrusion quality. Thereafter, one specimen from each extrusion outlet shall be tested every 8 hours for nominal pipe sizes less than 14 in. Changes in color pigment that meet the requirements of PPI TR-2 or PPI TR-3 do not constitute a separate compound. The normal variations inherent in handling technique, processing equipment, and measuring precision do not constitute a change in the compound.

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Submission date: 5/12/2025

Please submit to: Joint Committee Secretariat or to standards@nsf.org

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