Joint Committee on Drinking Water Treatment Units  
Meeting Summary  
NSF International, Ann Arbor, Michigan  
May 13, 2020

**Meeting summary excerpt**

V  **New Issues / Action Items for multiple standards**

A.  **5.4.4. Cycle Test (DWTU-2020-5)**

**Motion:** Ballot proposed language under 5.4.4. as written and modify footnote 2 under Table 5.1 per discussion. T. Palkon motioned; R. Herman seconded.

**Discussion:** M. Blumenstein stated under the structural integrity requirements of the DWTU standards, the hydrostatic pressure test for complete systems (section 5.4.2) states that components downstream of the system on/off valve that are not subject to pressure under the off mode, and that either contain no media subject to plugging or are not designed to contain media, shall be exempt from the hydrostatic pressure test but shall be watertight in normal use. M. Blumenstein stated his belief that this language implies that this exemption would apply to all systems. He noted that this language is replicated in footnote 2 of Table 5.1, but that footnote 2 only applies to open discharge systems. Open discharge systems are defined in NSF/ANSI 330 as a system that is subject to only atmospheric pressure during the off mode. M. Blumenstein explained that there are many systems on the market that could be thought of as hybrid systems. They are often countertop appliances that are plumbed to a water supply line with an inlet solenoid valve. These systems have components that are under pressure at rest, but also may have components downstream of the media subject to plugging that are not subject to pressure and are not designed to withstand any water pressure. Finally, M. Blumenstein noted that currently there is no exemption for cyclic pressure testing. If the components downstream of media subject to plugging and not under pressure in the off mode are not designed to withstand elevated pressure, they should also be exempt from cyclic testing.

M. Blumenstein recommended that similar language be added under section 5.4.4 for cyclic testing, and that footnote 2 be removed from Table 5.1, since it is redundant.

R. Regunathan recalled that when the JC discussed this almost 20 years ago, the JC determined that the cycle test should still apply because as the pressure drop keeps getting higher and higher the cycle test will subject that filter media to a challenge. G. Hatch agreed and stated that there are many carbon blocks that can start plugging when turned on and will be subject to line pressure. M. Blumenstein clarified that in this case he is referring to downstream of system; if there are no more valves then it would be exempt.

S. Murphy stated his agreement with the first suggestion to add the language under section 5.4.4. However, he stated that he believed it would be beneficial to leave the informative footnote in the table.

R. Herman stated that when this language was originally added to the standard, the certifiers were focused on open discharge systems. However, at a certain point most products will have an open discharge (e.g., end of the faucet downstream of the valve). This makes it very clear on how to test the products. He agreed that the footnote could be left in, although redundant. B. Powitz noted that the footnote should not contain requirements of the standard; it should be informative only. T. Palkon
suggested that the footnote could simply reference the appropriate sections of the standard (5.4.2. and 5.4.4). M. Leslie agreed that this change would make the footnote informative since it would not include the actual language of the requirement.

**Vote:** All in favor.

**Motion passed.**