TO: Joint Committee on Drinking Water Treatment Units  
FROM: Dr. Robert Powitz, Chair of the Joint Committee  
DATE: June 15, 2020  
SUBJECT: Proposed revision to NSF/ANSI 42: Drinking Water Treatment Units – Aesthetic Effects (42i104), NSF/ANSI 53: Drinking Water Treatment Units – Health Effects (53i122), NSF/ANSI 244: Drinking Water Treatment Units – Supplemental Microbiological Water Treatment Systems – Filtration (244i8) and NSF/ANSI 401: Drinking Water Treatment Units – Emerging Compounds / Incidental Contaminants (401i16).

Revision 1 of NSF/ANSI 42 issue 104, NSF/ANSI 53 issue 122, NSF/ANSI 244 issue 8, and NSF/ANSI 401 issue 16 are being forwarded to the Joint Committee for consideration. Please review the proposal and submit your ballot by July 6, 2020 via the NSF Online Workspace <www.standards.nsf.org>.

When adding comments, please identify the section number / name for your comment and add all comments under one comment number where possible. If you need additional space, please upload a word or pdf version of your comments online via the browse function.

Purpose

The proposed revision will clarify the test pressure for non-pressurized water treatment devices under Section 4.

Background

The exposure test (Section 4.2.3) under the applicable DWTU standards inadvertently omits extraction test pressure requirements for nonpressurized water treatment devices. The standard currently states that all extraction testing shall be conducted at 50 psi. The proposed revision will clarify that non-pressurized water treatment devices shall be tested at atmospheric pressure.

This issue was presented that the recent 2020 DWTU JC meeting and was unanimously approved for balloting. Please refer to the 2020 DWTU meeting summary and original issue paper (DWTU-2020-1) under the referenced items for additional background information.

If you have any questions about the technical content of the ballot, you may contact me in care of:

Dr. Robert Powitz  
Chair, Joint Committee on Drinking Water Treatment Units  
c/o Monica Leslie  
Joint Committee Secretariat  
NSF International  
Tel: (734) 827-5643  
Email: mleslie@nsf.org
4.2.2 Exposure water

4.2.3 Exposure

4.2.3.1 The system or component(s) of a system shall be installed, flushed, and conditioned in accordance with the manufacturer's instructions using the exposure water specified in Section 4.2.2 at an initial inlet static pressure of 340 kPa (50 psig). Nonpressurized systems, e.g., pour through products, shall be exposed at atmospheric pressure.

Rationale: Added statement for clarity per 2020 DWTU JC meeting discussion (May 13, 2020).