Purpose
The purpose of this straw ballot is to affirm language adding clarity to the scope of NSF/ANSI 350.

Background
The scope of NSF 350 needs to be clarified to avoid confusion and misinterpretation. The Uniform Plumbing Code Technical Committee recently discussed the appropriateness of the NSF 350 in the Code. Some members commented that the scope needed to clarification. For example, “This applies to onsite commercial treatments systems that treat combined commercial facility wastewater and commercial facility laundry water . . .” Code committee members said the word combined means that those systems that are not combined would not be in the scope of the standard. Obviously, this is not the intent and this is an important distinction of whether NSF 350 would be required in an application.

An issue paper recommending this revision was presented at the April 2020 Joint Committee meeting and a motion to send language to straw ballot was approved.

This straw ballot will last two weeks. If no comments are received, the language will be sent to a JC approval ballot.

The grey highlighted portions of the language are proposed additions to the language of the standard. The strikeout portions of the language are proposed deletions to the language of the standard.

An affirmative (yes) vote on this straw ballot means you agree with the revised language as submitted.

A negative (no) vote on this straw ballot means you disagree with the revised language as submitted. A negative vote must include an explanation of why you disagree with the revised draft.
NSF/ANSI Standard
For Wastewater Technology –

Onsite Residential and Commercial Water Reuse Treatment Systems

1 General

1.1 Purpose

The purpose of this Standard is to establish minimum material, design, and construction, and performance requirements for onsite residential and commercial water reuse treatment systems. This Standard also specifies the minimum literature that manufacturers shall supply to authorized representatives and owners as well as the minimum service-related obligations that a manufacturer shall extend to owners.

1.2 Scope

This Standard contains minimum requirements for onsite residential and commercial water reuse treatment systems. Systems may include the following:

— greywater treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d). This applies to onsite residential and commercial treatment systems that treat greywater, those that treat laundry water from residential laundry facilities, and those that treat bathing water. See Section 8.1 for performance testing and evaluation;

— residential wastewater treatment systems having a rated treatment capacity up to 5,678 L/d (1,500 gal/d). This applies to onsite residential treatment systems that treat combined wastewater generated by the occupants of residence(s). A reuse system treating 1,514 L/d (400 gal/d) to 5,678 L/d (1,500 gal/d) shall either be demonstrated to have met the Class I requirements of NSF/ANSI 40, or shall meet these requirements during concurrent testing to this Standard. A treatment system treating less than 1,514 L/d (400 gal/d) is not required to have met the Class I requirements of NSF/ANSI 40. See Section 8.2 for performance testing and evaluation; or

— commercial treatment systems. This applies to onsite commercial treatment systems that treat combined commercial facility wastewater and commercial facility laundry water of any capacity, and those treatment systems that treat greywater from commercial facilities with capacities exceeding 5,678 L/d (1,500 gal/d). These systems shall be performance tested and evaluated at the location of the reuse system installation, using the wastewater generated onsite from the facility serving the
treatment system. See Section 8.3 for performance testing and evaluation. The key elements of a field evaluation of a commercial treatment system are described in Annex N-1.

— commercial treatment systems. This applies to onsite commercial treatment systems that treat one or more of the following:

— combined commercial facility wastewater of any capacity;
— and commercial facility laundry water of any capacity; or
— treat greywater from commercial facilities with capacities exceeding 5,678 L/d (1,500 gal/d).

These systems shall be performance tested and evaluated at the location of the reuse system installation, using the wastewater generated onsite from the facility serving the treatment system. See Section 8.3 for performance testing and evaluation. The key elements of a field evaluation of a commercial treatment system are described in Annex N-1.

Management methods and end uses appropriate for the treated effluent discharged from onsite residential and commercial treatment systems meeting Class R (single-family residential) or Class C (multi-family and commercial facilities) requirements of this Standard include indoor restricted urban water use, such as toilet and urinal flushing, and outdoor unrestricted urban water use, such as surface irrigation. Effluent quality criteria consistent with these uses are described in Section 8.6, Criteria. This Standard is intended to address public health and environmental issues. Actual performance for any site or system may vary, depending on variations in raw water supply (such as alkalinity and hardness), wastewater constituents, and patterns of use. The end use of the effluent is the responsibility of the owner, design professionals, and regulatory officials.

System components covered under other NSF or NSF/ANSI standards or criteria shall also comply with the requirements therein. This Standard shall in no way restrict new system designs, provided such designs meet the minimum specifications described herein.

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