NSF Standard(s) Impacted: 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.

Recommendation:
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 must 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 one or more of the following: combined commercial facility wastewater of any capacity, and commercial facility laundry water of any capacity, or 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.

Supplementary Materials (photographs, diagrams, reports, etc.):
Commentary: May is a permissive term and should be avoided where possible. Breaking up this paragraph into a list is easier to digest. Eliminating “combined” and using “one or more of the following” avoids confusion surrounding the word.
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