TO: Joint Committee on Wastewater Technology
FROM: Dr. Robert Powitz, Chair of the Joint Committee
DATE: November 4, 2020
SUBJECT: Proposed revision to NSF/ANSI 350 – Onsite Residential and Commercial Water Reuse Treatment Systems (350i61r1)

Revision 1 of NSF/ANSI 350, issue 61 is being forwarded to the Joint Committee for consideration. Please review the proposal and submit your ballot by November 25, 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 revise language in Section 8.1.2.2.1 of NSF/ANSI 350.

Background
A recent request for interpretation asked for clarity regarding a line in Section 8.1.2.2.1 of NSF/ANSI 350:

Systems evaluated in accordance with the design loading for Class C shall have met the design loading for Class R.

The submitter believes the intent of the JC was to say that if a system is tested according to the design loading and stress sequences for commercial systems and meets the effluent criteria for commercial systems, it also meets the criteria for residential systems and the system can get certified to both class R and Class C.

The Joint Committee chair recommended the question be sent to the Joint Committee as a straw ballot. Fourteen of the 22 responses indicated disagreement with the interpretation, with many comments noting that the stress events for Class C and Class R systems are different.

The WWT Task group on NSF/ANSI 350 discussed the issue during it’s recent 10/12/20 teleconference, and the group agreed to a two-step response:

1. Remove the sentence that caused confusion
2. Form a sub Task Group with the charge of investigating combining Class C and Class R testing.

This ballot will remove the sentence in question.
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 Wastewater Technology  
c/o Jason Snider  
Joint Committee Secretariat  
NSF International  
Tel: (734) 418-6660  
Email: jsnider@nsf.org
8 Performance testing and evaluation

8.1.2.2.1.1 Systems treating combined greywater

<table>
<thead>
<tr>
<th>Time frame</th>
<th>Percent rated daily hydraulic input capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>7:00 a.m. to 10:00 a.m.</td>
<td>approximately 40</td>
</tr>
<tr>
<td>11:00 a.m. to 2:00 p.m.</td>
<td>approximately 35</td>
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<tr>
<td>6:00 p.m. to 9:00 p.m.</td>
<td>approximately 25</td>
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</table>

Individual doses shall be 10 to 15 gal and be uniformly applied over the dosing periods. For systems with a rated capacity less than 400 GPD, individual doses may be adjusted to less than 10 gal as needed to meet the dosing schedule requirements.

Class C systems shall be dosed 7 d a week according to the following schedule for the final 4.5 wk (31 d):

<table>
<thead>
<tr>
<th>Time frame</th>
<th>Percent rated daily hydraulic input capacity</th>
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<tr>
<td>7:00 a.m. to 5:00 p.m.</td>
<td>approximately 90</td>
</tr>
<tr>
<td>9:00 p.m. to 10:00 p.m.</td>
<td>approximately 10</td>
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</tbody>
</table>

Individual doses shall be 10 to 15 gal and be uniformly applied over the dosing periods. For systems with a rated capacity less than 400 GPD, individual doses may be adjusted to less than 10 gal as needed to meet the dosing schedule requirements.

Systems evaluated in accordance with the design loading for Class C shall have met the design loading for Class R.

Rationale – per the recent Request for Interpretation and ensuing straw ballot and TG discussion, this line is being removed because its intent is not clear. The WWT TG on NSF/ANSI 350 has created a sub Task Group that is charged with investigating combining Class C and Class R system testing, which will potentially be addressed in a separate ballot.