**Task Group on NSF/ANSI 350**  
**Teleconference Meeting Summary DRAFT**  
**June 24, 2019**

This document is the property of NSF International (NSF) and is for NSF Committee purpose only. Unless given prior approval from NSF, it **shall not** be reproduced, circulated, or quoted, in whole or in part, outside of NSF.

### Participating members:
- Anua Bishop, Colin Water Quality Association
- Bruursema, Tom Prüfinstitut für Abwassertechnik GmbH
- Defrain, Martina Presby Environmental, Inc.
- Sherman, Kevin NSF International
- Williams, Steve NSF International

### Participating observers:
- Chelette, Randall Texas On-Site Wastewater Association
- Drew, Bob Equavie-Aqualoop
- Groover, Roxanne FOWA
- Hennig, Brad NSF International
- Lefering, Anna Prüfinstitut für Abwassertechnik GmbH
- Morgoch, Dana Greyster Water Systems
- Popa, Nicolas NSF International
- Snider, Jason NSF International
- Steiner, Sharonj NSF International
- Valkieser, Arthur Hydraloop International BV

### Discussion

J. Bell welcomed everyone and called the meeting to order. J. Snider took roll and read the anti-trust statement. Five of the 11 voting members were present (45%) which did not represent a quorum. J. Bell explained that he was acting as TG chair in A. Rubin’s absence, but he would need to leave the call. S. Williams volunteered to chair the call in his place.

The first agenda item was **WWT-2019-5 – Laundry BOD-COD ratio**. The issue paper was submitted because hitting the targets for COD and BOD for laundry challenge requirements was proving difficult. Adjusting one of the parameters would throw the other parameter out of range. The paper suggested keeping the COD/BOD ratio the same as other challenges and adjusting the COD range. M. Defrain volunteered to provide information on the test ratios encountered at PIA. The group decided to table the conversation until the next teleconference, and review the information provided by M. Defrain.

The group moved on to the comparison of **Greywater performance standards**, as compiled by M. Defrain. M. Defrain noted that the British standard did not introduce total suspended solids. It was noted that there was not a TSS requirement for the reclaimed water. B. Drew asked the group for clarification on the statement that there is not a limit on the size of commercial systems in NSF/ANSI 350.

The next agenda item was **WWT-2015-11**. The issue proponent was not available for the teleconference, but the group discussed the topic.

The next topic was an older ballot, 350i12r1 – 8.1.2.2.2.5 Language. The group reviewed the **JC ballot results**. After some discussion, N. Popa stated he would revise the language based on the comments received on the r1 ballot.

Next on the agenda was **WWT-2017-9 replacing test dust**. M. Defrain suggested that the TSS parameters may be achievable without adding test dust at all. There was discussion about lowering the parameter along with eliminating test dust from the recipe. R. Groover agreed that this was a possible solution but suggested reaching out to the regulatory members on the group for their input. S. Williams asked M. Defrain to provide the TSS numbers of the challenge water with no test dust added. S. Williams volunteered to draft a message to regulators seeking input on the topic.

The final topic of discussion was **WWT-2018-23 – large commercial systems**. C. Bishop explained that the issue paper was submitted because of inconsistencies between the size of commercial systems in
the standard, and those in the field. He noted that field testing was not common with these larger systems, so suggested that changes be made to test center testing and scale up to be more in line with real world applications. S. Williams noted that testing large systems in a test center comes with many challenges in volumes of water needed. R. Groover agreed that larger systems are becoming more prevalent and the standard needs to reflect that. T. Bruursema suggested investigating using existing sources for greywater and reporting the influent and effluent out. C. Bishop noted that test site conditions may vary from state to state. The group discussed if a configuration of multiple parallel systems was a proper method of designing a system to handle larger capacities. The group ran out of time and agreed to resume discussion on the next call. S. Williams charged C. Bishop to draft language based on the discussion during the call.

**Action items**

- J. Snider to forward materials to N. Popa to draft 350i12r2.
- S. Williams to draft a message to regulators seeking input on removing test dust from influent challenge.
- C. Bishop to develop language regarding [WWT-2018-23 – large commercial systems](#) in preparation for next teleconference.

Next teleconference date July 22nd, 2019