Participating members:
North Carolina State University  Rubin, A.
Bio-Microbics, Inc. Bell, Jim
North Carolina Div. Of Env. Health Berkowitz, PE, Steven
Prüfinstitut für Abwassertechnik GmbH Defrain, Martina
NSF International Williams, Steve
Coconino County Health Department Wirth, Joelle

Participating observers:
Wahaso - Water Harvesting Solutions Bailin, Stuart
U.S. Environmental Protection Agency Bastian, Robert
Anua Bishop, Colin
Water/Natural Resources & Environmental Control of Delaware Hayes, John
NSF International Hennig, Brad
Prüfinstitut für Abwassertechnik GmbH Lefering, Anna
Norchem Corp Minissian, Kevin
NSF International Nejad Ghafar, Eliza
NSF International Popa, Nicolas
NSF International Snider, Jason

Discussion
A. Rubin welcomed everyone and called the meeting to order. J. Snider took roll and read the anti-trust statement. Six of the 10 voting members were present (60%) which did represent a quorum.

Motion by J. Bell: Approve proposed agenda
Second: J. Hayes
Discussion: None
Vote: All in favor
Motion: Carries

The group began by discussing 350i35r2. The revisions suggested during the group’s previous call were incorporated and the draft was presented to the group for consideration.

Motion by J. Bell: Send language in 350i35r2 to JC ballot.
Second: S. Williams
Discussion: J. Bell asked how the changes would apply to black and greywater systems under 400 gpd. It was decided to submit this topic as a separate issue paper.
Vote: All in favor
Motion: Carries

The next topic was similar revisions in 350i36r2, which also was revised based on discussion during the group’s last call. C. Bishop asked if this only applied to systems under 200 gpd, and S. Williams confirmed that was the way the proposed revisions were currently written. C. Bishop asked if rewriting the language to apply to less than 400 gpd would be preferred, as 400 – 1500 gpd systems were considered a series. S. Williams agreed. J. Bell noted that the 400 gpd change would need to be made to the 350i35r2 ballot the group had just discussed.

Motion by J. Bell: Modify language in 350i35r2 to apply to systems less than 400 gpd and send to JC ballot.
Second: C. Bishop
Discussion: None.
Vote: All in favor
Motion: Carries
Motion by J. Bell:  Send language in 350i36r2 JC ballot with revision from 200 gpd to 400 gpd as discussed.
Second: A. Rubin
Discussion: J. Bell to submit an issue paper to address this topic in residential wastewater applications.
Vote: All in favor
Motion: Carries

The next agenda item was 350i37r1. J. Snider explained that the issue paper was submitted to clean up language in the standard, focusing mainly on the use of “shall” in portions of the standard that are considered informative. Many of the “NOTE” portions of the standard contain the word shall, although NOTES are informative. The group reviewed the proposed changes

Motion by J. Bell:  Send 350i37r1 to JC ballot
Second: S. Williams
Discussion: None
Vote: All in favor
Motion: Carries

J. Bell asked if this would change testing procedures. S. Williams confirmed that NSF had treated the language as normative as part of its certification policy.

The group moved on to WWT 2018-1 fresh water addition, which had been discussed on a previous call. S. Williams confirmed that he was working on revised language based on that discussion. A. Rubin asked the group to consider what items should be included in a test report. There was some discussion on the source of the water addition used for backwash, including a fresh water addition or reuse of greywater.

The next topic of discussion was 350i33r2. Issue proponent N. Popa explained that the standard currently did not have language to disqualify a system that had no discharge but still met minimum sample requirements. J. Bell asked how a system could not discharge. N. Popa explained that in a recent test, all influent added was being sent to bypass. The group discussed adding language to specify that when a system cannot produce effluent, the system is considered in malfunction. M. Defrain suggested a requirement that a percentage of influent must be produced as effluent. There was discussion on what that percentage requirement should be, and it was suggested that NSF staff review their recent tests and use that data to determine a correct percentage.

Motion by S. Williams:  Reschedule next meeting from 12/24 to 12/17
Second: J. Bell
Discussion: None
Vote: All in favor
Motion: Carries

Action items
Next meeting date: 12/17/18 (moved from 12/24/18 due to holiday)
NSF staff to collect data for % of influent discharged as effluent discussion.
J. Snider to send 350i35r2 to JC ballot
J. Snider to send 350i35r2 to JC ballot
J. Snider to send 350i37r1 to JC ballot