Task Group on NSF/ANSI 350
Teleconference Meeting Summary DRAFT
February 5, 2018 11:00 am Start Time

Participating members:
North Carolina State University
Rubin, A.

U.S. Environmental Protection Agency
Bastian, Robert

Bio-Microbics, Inc.
Bell, Jim

North Carolina Div. Of Env. Health
Berkowitz, PE, Steven

WaterTomorrow Consulting LLC
Bruursema, Tom

Prüfinstitut für Abwassertechnik GmbH
Defrain, Martina

Environment-One Corp.
Henry, Clark

Texas A&M
Jantrania, Anish

NSF International
Nejad Ghafar, Eliza

Canadian Water Quality Association (CWQA)
Wong, Kevin

Participating observers:
Premier Tech
Belanger, Marie-Christine

Water/Natural Resources & Environmental Control...
Hayes, John

NSF International
Popa, Nicolas

Florida Department of Health
Roeder, Eberhard

NSF International
Snider, Jason

NSF International
Steiner, Sharon

Greylter Water Systems
Thompson, Chris

Hiblow USA, Inc.
Westmaas, Paul

NSF International
Williams, Steve

Discussion:
A. Rubin welcomed everyone and called the meeting to order. J. Snider took roll and read the anti-trust statement. Ten of the 39 voting members were present (25%) which did not represent a quorum.

The group began with discussion of Issue paper WWT 2017-21, which proposes removing a reference to a specific strain of E. coli from the Greywater challenge water in 8.1.2.1.1. S. Williams explained that the indication of the strain was irrelevant. The group agreed with the removal and suggested the language move to ballot.

The group next moved on to Issue paper WWT 2018-1 Fresh water addition which regards adding potable water to the treated greywater tank full. This is difficult to address in the Standard as it results in dilution of the effluent. The issue paper suggests:

- First decide if this type of system should be allowed certification to Standard 350. If not, change the scope to prohibit certification of this type of system.
- If allowed, develop ways to apply a dilution factor to effluent results such that they conservatively reflect treatment.
- If allowed, set a limit for fresh water addition that is a percentage of total flow.
- If allowed, set a limit for amount of daily flow that may be bypassed or wasted as part of the process (assuming full demand for the effluent). This could be water used to backwash a filter for example.

J. Bell noted that the fresh water source would need to be unchlorinated if this were to become part of the Standard. C. Thompson suggested using discharges as a supply for the tank, which may work form some systems but not others. He also specified that many of these systems are smaller than typical. S. Williams suggested the group consider a limit on the amount of water added, possibly a percentage of the flow through rate. The group discussed the effect adding water to the tank would have on the unit’s efficiency rating. J. Bell questioned whether the efficiency term should be reported, and perhaps not have a requirement, as a requirement may be considered a commercial term.
E. Roeder noted that the reuse component may fall under plumbing code and not health codes. J. Bell stated that as these units tend to be smaller, the 100gpd issue paper overlapped with this topic. He also asked for product literature on the units looking to add fresh water to the system.

Discussion moved to the Issue paper 2018-2 100 gpd, which relates to a statement in 1.4 of NSF 350 regarding 100 gal/day systems. A. Rubin noted that IAPMO has approved some 10 gal/day systems, but it isn’t clear what Standard these units are certified to. J. Bell added that there is a trend towards smaller systems and stressed a need to clarify and revise the scope of the Standard. There was discussion about lowering the 400 gal/day greywater language in the scope to 100 or 0. This was looked at previously, but there was concern there was potential overlap with an existing ANSI Standard. It was also suggested that the group look at alternate criteria for smaller systems if such language were to be incorporated into the Standard. It was agreed that the language in question was unclear.

**Action items**

- J. Snider to straw ballot E. coli strain issue paper, if approved move to JC ballot.
- J. Snider to email WWT 2018-1 Fresh water addition to group and collect comments.
- C. Thompson to send web address for product literature to J. Snider for distribution to the group.
  
  **C. Thompson provided** [www.greyter.com/residential/](http://www.greyter.com/residential/) **for information.**

NSF to determine if lowering limit from 400 gal/day will overlap with an existing Standard.

Next meeting will be scheduled once progress is made on action items.