Task Group on NSF 385

Teleconference Meeting Summary DRAFT

July 26, 2021

Participating members:

Bio-Microbics, Inc.	Bell, Jim
Anua	Bishop, Colin
LBC Manufacturing	Braden, Mike
Texas On-Site Wastewater Association	Chelette, Randall
Salcor Inc.	Cruver, Jim
Pro Flo Aerobic Systems	Jumper, David
Norweco, Inc.	Meyer, Jim
Florida Department of Health	Roeder, Eberhard
North Carolina State University	Rubin, A.
SeptiTech, Inc.	Sherman, Kevin
Sun-Mar Corp.	Sneddon, Fraser

Participating observers:

North Carolina Div. Of Env. Health	Berkowitz, PE, Steven
NSF International	Nejad, Eliza
NSF International	Stark, Blake
NSF International	Williams, Steve
NSF International	Snider, Jason

Discussion

J. Bell welcomed everyone and called the meeting to order. J. Snider took roll and read the anti-trust statement. Eleven of the 12 voting members were present (92%) which did represent a quorum.

Motion by K. Sherman	Accept the WWT TG on NSF 385 Meeting summary 4-19-21
Second:	J. Meyer
Discussion:	None
Vote:	All in favor
Motion:	Carries

Next the group discussed the UVT portion of the WWT-2019-8 – 385 revisions. The group had revised the r1 straw ballot into r2 language and had discussed adding an informational annex. C. Bishop provided a first draft of that language. B. Rubin asked if log reduction values would be reported to assist with compliance with NSF/ANSI 350. The group agreed to review this language and discuss the topic further during its next teleconference.

The group next resumed the photorepair discussion. J. Cruver and provided a review of the Water disinfection by UV irradation testing, and offered to draft language modeled on this testing.

The next agenda item was the discussion of the Ozone portion of the WWT-2019-8 – 385 revisions issue paper. The two recent ballots, 385i8r1 – Ozone Flow Design, and 385i9r1 – Ozone resistance evaluation had been approved, and the only portion remaining was Ozone loss evaluation. J. Bell suggested the group include language from NSF/ANSI 46 into the section to help clarify where the collection should occur:

8.6.2 Ozone loss evaluation

The test setup shall simulate an ozone disinfection device installed between a treatment device and a pump vault in accordance with the manufacturer's installation instructions. An ozone detector shall be installed near the inlet to the ozone disinfection device to detect ozone gas feeding back into the treatment device. A second ozone detector shall be installed near the discharge of the contact chamber to monitor ozone discharge through the outlet of the contact chamber. The detectors shall be mounted above and within 0.3 m (1 ft) in all directions of the vent pipe of the contact chamber. In

the event of multiple inlets or outlets, all inlets and outlets shall be monitored for ozone loss. Readings from the detectors shall be measured and recorded on three separate days evenly spaced throughout the life test (one day during the 1st, 14th, and 26th week of testing).

The ozone loss evaluation shall be conducted simultaneously with the ozone disinfection test and microbiological organism deactivation test. All data collected during this test shall be included in the final report and will not be used as criteria for the performance evaluation.

R. Chelette suggested A. Jantrania would be able to provide more information on Ozone testing. A. Rubin suggested the group consider peracetic acid for the standard, and M. Braden suggested Hydrogen Peroxide be considered. J. Bell offered to investigate this further.

Action items

Group to review peat transmittance Informational Annex.
J. Bell to investigate including Log Reduction Values language in the standard with goal of having it ready for straw ballot soon.
J. Bell to discuss Ozone loss testing with A. Jantrania.
J. Cruver to draft photorepair testing language.
Next teleconference: August 31st, 2021