Task Group on Water Quality Testing Devices

Teleconference Meeting Summary DRAFT

March 17, 2022

Participating members:

Town of Flower Mound, Texas	Vyles, Tom
Industrial Test Systems, Inc.	Bailey, George
Consultant - Public Health/Regulatory	Campbell, Suzie
LaMotte Co.	Egan, Jim
Richard Falk	Falk, Richard
NSF International	Schaefer, Kevin

Participating observers:

IAPMO	Choe, Sung
Industrial Test Systems, Inc.	Jaunakais, Lea
Centers for Disease Control and Prevention...	Laco, Joe
LaMotte Co.	Maisano, Joseph
Solenis	Meyer, Ellen
NSF International	Pattison, Megan
NSF International	Ramankutty, Nidhin
Industrial Test Systems, Inc.	Ray, Howard
Industrial Test Systems, Inc.	Tatineni, Balaji
NSF International	Snider, Jason

Discussion

T. Vyles welcomed everyone and called the meeting to order. J. Snider took roll and read the anti-trust statement. Six of the 8 voting members were present (75%) which did represent a quorum.

The group began with RWF-2020-8 Sensor WQTD. The group began with a review of the 50i172r2 language that was being drafted in response to the comments received on the 50i172r1 – Sensor WQTD straw ballot. K. Schaefer explained that the goal of the language was to allow for probe based WQTD to be certified to the standard, while maintaining the existing requirements for WQTD. He noted that much of the language was borrowed from existing sections, namely the automatic controllers section. G. Bailey expressed concerns that the sensor based langague was not as rigorous as the existing language for test kits. It was noted the new language referenced the Accuracy Level (L1, L2, & L3) testing of Annex N-11.12. G. Bailey asked if the language would take into account a sensor based WQTD that floats in the pool – would direct sunlight, temperature, and exposure to the elements be considered? R. Falk added that water exchange and flow could also be factors. S. Choe noted that the standard does not address how big of a body water should be used for this and other testing. T. Vyles suggested this be addressed in a separate issue paper. There was discussion on the end use of a floating sensor-based unit – would this be aimed primarily for residential use? This led to possible conditions that could be tested for a floating unit – UV or sun exposure and rain spray. G. Bailey and R. Martin both expressed the need for a unit to be tested in the conditions it would be operating under in the real world. K. Schaefer suggested that existing language could be incorporated from the flow meters section of the standard. R. Martin agreed, adding that ASPS 16 could also be a source. S. Choe cautioned against placing too many requirements on a unit likely intended for residential use. G. Bailey stated that temperature could be a factor with a floating unit sitting in the sun all day. K. Schaefer responded that the UV exposure testing is at an elevated temperature (50 to 60 °C). J. Egan asked if the group were making the testing too complicated for what would likely be residential use items. S. Campbell asked if a test for freezing were necessary as a floating sensor could be left in the pool over the winter. It was suggested that manufacturers who may produce such sensors should be involved. J. Snider offered to reach out to RWF participants from Pentair and PoolCop who may have knowledge on these items. G. Bailey asked if the group should consider an operational life test as well. K. Schaefer offered to revise the language based on today's discussions.

As the group was almost out of time, it was agreed that more time would be given to the two other issue papers before the group (RWF-2020-9 WQTD Accuracy and RWF-2019-11 – Shelf life) on the next call. J. Snider stated he would send out a doodle poll to schedule the group's next call.

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Action items

K. Schaefer to revise sensor based WQTD language based on discussion.
J. Snider to perform outreach to manufacturers of in-pool sensor based WQTD.
J. Snider to send out doodle pool to schedule the group's next meeting, early May timeframe.