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Summary of TRC Call Agenda for 5/26

The following is a summary of phone-based discussions for Change Requests (CRs) addressed by the Technical Review Committee (TRC) for the week of 5/26/20. A link the recording of the call can be viewed at the CMAHC's Youtube channel by visiting our website at <https://cmahc.org/technical-review-committee.php>.

Members present (12): James Amburgey, Kevin Boyer, Jodi Jensen, Joe Laco, Cindy Marshall, Ellen Meyer, Tina Moore, Chris Nelson, Jason Schallock, Joe Stefanyak, Amanda Tarrier, Miklos Valdez

Members absent (1): Michele Hlavsa

At the end of the call, the TRC discussed putting a 5 minute time limit on most CRs on future calls, and also about trying to discuss non-substantive CRs over email. That effort should be spearheaded by the CR champion, and the TRC agreed to try this over the next week with any of the CRs that were not addressed on the 5/26 call.

4.5.1.2-0002, 5.7.6.1-0001: These two CRs change the water clarity requirements to require that the bottom be visible at all times when the pool is in use, not when the water is static. TRC members expressed concern about a requirement that does not take into account the realities of operation, such as turbulence created by patron use and water agitation by jets in spas or from spray features. Another TRC member pointed out that lifeguarding courses address water turbulence as a known factor affecting bather supervision. The TRC unanimously recommended a "No" vote on both CRs.

4.7.4.1.2-0002: This CR would add a requirement for water discharge that "INCREASED RISK AQUATIC VENUES with turnover times of 0.5 hours or less that use UV disinfection shall have a feedback loop connected to the discharge (or treatment and reuse) system that increases the flow whenever the UVT drops below the validated range of the UV disinfection system, and all INCREASED RISK AQUATIC VENUES with turnover times of 0.5 hours or less shall have a feedback loop connected to the discharge (or treatment and reuse) system that increases the flow whenever the turbidity exceeds 5 NTU in the main body of water." The TSC assigned to this CR recommended a no vote. The TRC discussed that discharge amount is usually dependent on system maintenance and often determined by backwash. The TRC felt that the MAHC adequately addresses this concern with required alarms, and had concern with continuing to

run the system when conditions require maintenance. The TRC recommended a “No” vote on this CR.

4.7.4.1.2-0003: This CR would add requirements for water discharge: 4.7.4.1.2.1 The amount and rate of water discharge can be based on daily attendance measured with turnstiles and/or paid admissions. And 4.7.4.1.2.2 The required volume of water shall be discharged at least weekly, or immediately after the amount to be discharged exceeds 10% of the total system volume. The TRC felt noted the difficulty in determining attendance at public pools and spray grounds with no fencing/gates that are not staffed. Also, the 10% figure does not have any scientific basis behind it. The TSC assigned to this CR recommended a no vote. There was considerable discussion on this CR but members felt that water replenishment is dependent on system maintenance and with backwashing there may actually be a higher percentage discharged. The TRC recommended a “No” vote on this CR.

4.7.1.9.1.1-0001: This CR removes the requirement that flow meters be certified, listed, and labeled to NSF/ANSI 50 by an ANSI-accredited certification organization. The TRC discussed that section 4.3.1 of the MAHC already requires equipment to be of proven design and construction and certified, listed, and labeled to a specific standard for the specified equipment use by an ANSI-accredited certification organization, and section 4.3.3. requires equipment to be suitable for its intent. This would allow for flow meters used in drinking water to be used in the MAHC. In addition, it was discussed that flow meters are equipment that may not meet the requirements to need to be tested/certified to NSF/ANSI 50 because of the small amount of the product that comes into contact with water. The TRC voted to recommend a “Yes” vote on this CR.

4.7.2.1.2-0001, 4.7.2.1.4-0001: These CRs modify their existing sections to allow filters and filter media, respectively, that are approved by the AHJ with proper engineering justification, to be used. The sections currently require all filters and filter media to be CERTIFIED, LISTED, AND LABELED to NSF/ANSI 50 by an ANSI-accredited certification organization. The TRC discussed that this would be different than the usual variance process as it would allow the AHJ to approve as part of the plan review process, but there was concern about what “proper engineering justification” would be. This would enable products not tested to NSF/ANSI 50 to be used if acceptable to the AHJ. The TRC recommended a “Yes” vote on both CRs, with slight modification to remove “local” before “AHJ” and with agreement from the CR submitter to add some Annex language discussing what proper engineering justification for filters and filter media should consist of.

4.7.3.2.4.2-0001: This CR removes a reference from the section prohibiting use of chlorine gas as a disinfectant in new construction to the section on chemical storage requirements for when chlorine gas is used in existing facilities. The TRC unanimously recommended a “Yes” vote on the CR, noting that the section on chemical storage requirements specifies that chlorine gas is not permitted for new construction and the reference in section 4.7.3.2.4.2 is unnecessary.

4.7.3.2.5.2.3-0001: This CR removes the requirement use aquatic venue water post-filtration as the source water unless approved by the feeder manufacturer and adds one that erosion feeders shall be installed in accordance with the manufacturer’s installation instructions. The TRC felt that the section is clear as written and as there is a possibility for confusion during installation it is important to be sure installation is post-filtration unless the manufacturer’s installation instructions specify otherwise. The TRC reached consensus (11 of 12 members present) for a “No” vote recommendation for this CR.

4.7.5.2.1-0001: This CR removes the phrase “as defined in the MAHC” for SPAS. The TRC discussed that terms with definitions in Chapter 3 of the MAHC are indicated by being typed using all capital letters where they occur, so this phrase is unnecessary as SPAS appears appropriately in all caps. The TRC unanimously recommended a “Yes” vote on this CR.

4.7.5.3-0001: This CR adds a requirement that spa inlets be located below the surface of the underwater bench. The CR champion began presenting this CR but then got disconnected from the meeting, so it was not addressed further. The TRC is currently discussing this CR over email and will vote on a recommendation on the next call.

4.9.2.2.2-0001: This CR proposes to remove the examples of things from which the chemical storage space needs to be designed to protect against, with the rationale that the list was unnecessary and incomplete. The TRC felt that the examples listed covered the three primary factors, although questioned the use of “wild fires” instead of ignition sources, and were not in favor of removing the examples. They did however feel that the section could be revised slightly to highlight these three factors but leave room to include others. The CR champion will send the following proposed modified language to the CR submitter, and this CR will be revisited on the June 29 TRC call. The construction of the CHEMICAL STORAGE SPACE shall, to the extent practical, protect the STORED materials against factors including, but not limited to tampering, sources of ignition, and unintended exposure to water. ~~against tampering, wild fires, unintended exposure to water, etc.~~

The TRC did not have time to address the following CRs. They will be moved to the end of the 6/2 call agenda:

4.9.2.3.2-0001, 4.9.2.4.2-0001, 4.9.2.4.4-0001, 4.9.2.4.5-0001, 4.9.2.4.5.6.1-0001, 4.9.2.4.5.7-0001, 4.9.2.5.2.3.1-0001, 4.9.2.5.2.4-0001, 4.9.2.6-0001, 4.9.2.7-0001, 4.9.2.8-0001, 4.9.2.9-0001, 4.9.2.13-0001

4.11.1.1-0001

4.11.2.4-0001

4.11.3.1-0001

5.7.1.6-0001

5.7.2.2.1.1-0001

5.7.2.2.4.1.1-0001, 5.7.2.2.4.1.2-0001

5.7.2.3.1.1-0001, 5.7.2.3.7.1-0001

5.7.2.3.3.1.1-0001

6.1.2.1.1.6-0001

1.0-0001

3.0.1-0001

3.0.2-0001

3.4-0001

4.1.1.2-0002, 4.6.1.7.1-0001, 4.6.3.1.1.1-0001, 4.6.4.3-0001, 4.6.7.4-0001, 4.6.7.6-0001, 4.6.9.1-0001, 4.6.10.4-0001, 4.7.3.3.4.8-0001, 4.8.1.1.6-0001, 4.8.6.1.1.2-0002, 4.9.1.3.1-0001, 4.9.1.8.1.1-0001, 4.9.1.8.3.2.2-0001, 4.12.8.13-0001, 5.6.3.1.1-0001, 5.6.3.1.3-0001, 5.6.3.2.2-0001, 5.6.3.4.1-0001, 5.6.3.4.2-0001, 6.1.2.1.5.4-0001, 6.4.1.3.1-0002

4.6.2-0001

4.7.5.4-0001, 4.12.1.10-0001, 4.12.1.10.1-0001, 4.12.1.11-0001, 4.12.4.3-0001, 6.5.3.6.1-0001

6.5.4.6-0001

3.2-0031, 4.5.19.5.3-0002, 4.12.2.5.2-0001, 4.12.2.10.4.1-0001, 4.12.3.2.6-0001, 4.12.3.2.6.1-0002, 4.12.3.3.3-0001, 4.12.3.3.3-0002, 5.5.5.3-0001

4.5.1.2-0001, 4.5.1.2.1-0001, 4.5.1.2.2-0001, 4.5.1.2.3-0001, 5.7.6.1.1-0001, 5.7.6.1.2-0001, 5.7.6.1.3-0001

4.5.1.2.4-0001

3.2-0010

3.2-0013

3.2-0011

4.12.10-0001, 5.12.10-0001

6.6.3.1-0007

4.1.2.2.3-0002

4.12.3.2.1.1-0001

5.7.3.6.1-0001

3.2-0009

3.2-0016

3.2-0027

4.7.1.5.1.5-0001, 4.7.1.5.2.4-0001