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## Summary of TRC Call Agenda for 7/20/20

The following is a summary of phone-based discussions for Change Requests (CRs) addressed by the Technical Review Committee (TRC) for the week of 7/20/2020. 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: James Amburgey, Kevin Boyer, Vince Hill (for Joe Laco), Cindy Marshall, Ellen Meyer, Tina Moore, Chris Nelson, Amanda TARRIER

Members Absent: Michele Hlavsa, Jodi Jensen, Jason Schallock, Joe Stefanyak, Miklos Valdez

**4.7.1.8.2.1-0001 and 4.7.1.10.5.1.1-0001:** These CRs propose to add a turbidity standard for when VFDs and turndown systems are used, and to allow system turndown during times when the pool is occupied if the pool has a filtration system certified for 1-log Crypto oocyst removal. The TRC discussed these CRs and in general supported both, but felt that they needed to be rewritten and moved all into section 4.7.1.10.5 on flow turndown. The TRC members present would recommend Yes vote on these CRs with modified language. Please refer to the attached "VFD CRs" for the text of the original CRs and the proposed edits. The CR submitter accepts the modifications. As you can see from the attached, CR 4.7.1.8.2.1-0001 is being withdrawn due to the changes made to CR 4.7.1.10.5.1.1, so only the latter CR will be voted on. **The TRC members present recommended that the entire TRC recommend a Yes vote on the revised CR 4.7.1.10.5.1.1-0001.**

The remainder of the CRs primarily dealt with how references to other codes were addressed in various sections of the MAHC. The TRC felt that this issue was being addressed in CRs in an inconsistent manner and that referencing other codes, while adding to the length of the MAHC, provides a useful reminder of where other codes are applicable for particular items. In addition, they felt that the MAHC was not suggesting relief from other applicable codes or duplicating them, merely acknowledging where they need to be followed or where they may also be applicable. There was a discussion that attempts to make the MAHC a more concise document and decisions to include references to other codes may be best achieved with an ad hoc committee which can look into the rationale for including the references to begin with and determine a standardized way to address, which a package of clearly written CRs that could be submitted for the next change request cycle.

**3.4-0001: The TRC members present recommended that the entire TRC recommend a Yes vote on this CR, which some members leaning toward yes in the interest of achieving TRC consensus.**

This CR adds a section up front stating that the MAHC does not exempting any other applicable codes, etc. (Nothing in this code is intended to exempt an AQUATIC FACILITY and associated AQUATIC VENUES from any applicable federal, state, or local laws, rules, or ordinances. Other applicable requirements may include but are not limited to building codes, mechanical codes, plumbing codes, electrical codes, fire codes, FDA Food Code, OSHA requirements, EPA requirements, and the Code of Federal Regulations. Additional permits and inspections may be required based on the requirements of other applicable laws, rules, and ordinances.) Most TRC members did not feel strongly one way or the other about this addition, as more specific instances are addressed throughout the MAHC, and they generally found that the references in specific sections were useful and did not completely agree with the submitter's rationale to include this statement instead of similar statements in specific sections. They felt that ultimately it would boil down to whatever other codes, etc. are in effect in a given jurisdiction, so it would be up to the AHJ when adopting the MAHC to determine where references were needed.

**4.6.1.7.1-0001: The TRC members present recommended that the entire TRC recommend a No vote on this CR.**

This CR proposes to remove the requirement that emergency egress lighting be compliant with local building codes, and would just keep the requirement that emergency egress lighting be provided. The TRC felt that the remaining section had no information of what would constitute emergency egress lighting with respect to evaluating plans, and if it is a local building code requirement, than what is provided should be consistent with such. As written the section is still the responsibility of the AHJ, but there is no longer any guidance on what is needed.

**4.6.3.1.1.1-0001: The TRC members present recommended that the entire TRC recommend a No vote on this CR.**

This CR proposes to remove the section stating that nothing in the MAHC shall be construed as providing relief from the NEC or other applicable codes, with respect to the section on indoor/outdoor aquatic facility electrical systems and components. The TRC felt that this was a helpful statement, even if not completely necessary, and that the accompanying annex discussion for the section discusses how the MAHC requirements are in addition to requiring compliance with NEC, so it's useful to acknowledge up front that if there are specific MAHC standards related to electrical systems/components that they do not supersede or replace any NEC requirement.

**4.6.4.3-0001: The TRC members present recommended that the entire TRC recommend a No vote on this CR.**

This CR proposes to remove the requirement that pool water heating equipment be selected and installed in accordance with applicable codes, and just leave that it must be installed in accordance with manufacturer's requirements. The TRC felt that based on the annex discussion of the various codes that

may apply, referencing them in this section was a useful reminder that there are other applicable requirements for pool heaters.

**4.6.7.4-0001: The TRC members present recommended that the entire TRC recommend a **No** vote on this CR.**

This CR proposes to remove the requirement that drinking fountains be installed in accordance with all applicable plumbing codes. The TRC did not see any reason to remove this.

**4.6.7.6-0001: The TRC members present recommended that the entire TRC recommend a **No** vote on this CR.**

This CR proposes to remove the requirement that the wastewater discharged from a drinking fountain be routed to an approved sanitary sewer system or other approved disposal area according to applicable plumbing codes. The submitter's rationale is that this is already required for all plumbing fixtures by section 4.11.5. The TRC felt that it was still useful to have here since it was in a different location in the MAHC.

**4.6.9.1-0001: The TRC members present recommended that the entire TRC recommend a **No** vote on this CR.**

This CR proposes to remove the requirement that concessions for food and drink in an aquatic facility meet all AHJ requirements. The public health members of the TRC felt that it was usual in state and local health codes to address compliance with regulation for other permitted operation types at a facility and that the section should stay in.

**4.6.10.4-0001: The TRC members present recommended that the entire TRC recommend a **No** vote on this CR.**

This CR proposes to remove the requirement that bleachers in a spectator area be designed according to the ICC's most recent version of the 300 Standard or another applicable code. The TRC felt that this was a useful requirement for safety and that an AHJ's role would just be limited to having the designer provide information that the plans are compliant with this standard/signed off by the local code enforcement agency.

**4.7.3.3.4.8-0001: The TRC members present recommended that the entire TRC recommend a **No** vote on this CR.**

This CR proposes to remove the requirement that ozone system installations comply with the NFPA 1 Fire Code or the International Fire Code and any other CODES, STANDARDS, or requirements as mandated by the AHJ. The TRC felt this was a useful requirement for health and safety and the AHJ's

role would generally just consist of requesting information/signoff during the plan review process that the installation complied with the other applicable code(s).

**4.8.1.1.6-0001: The TRC members present recommended that the entire TRC recommend a No vote on this CR.**

This CR proposes to delete the requirement that concrete decking be installed in accordance with local building codes. The TRC felt that this requirement should stay in and would just be part of the requested information from the operator to indicate that the plans have approval from local code enforcement.

**4.8.6.1.1.2-0002: The TRC members present recommended that the entire TRC recommend a No vote on this CR.**

This CR proposes to remove the “in accordance with local building codes” part of the requirement that barriers be provided between chemical storage spaces, pool, mechanical spaces, and areas accessible to the public, in accordance with local building CODES. The TRC did not agree.

**4.9.1.3.1-0001: The TRC members present recommended that the entire TRC recommend a No vote on this CR.**

This CR proposes the following changes to wiring requirements: ~~All electrical wiring shall conform to the edition of NEC adopted by the AHJ.~~ Metal parts of electrical equipment associated with the pool recirculation system shall be bonded to the equipotential grid with minimum 8 AWG solid copper wire and provided with GFCI protection in accordance with the NEC. The TRC was unsure if the specific requirements were already what was in the NEC, but did not see a reason not to just require compliance with NEC and that as part of the plan review the AHJ request a copy of the certificate of electrical compliance to ensure that the wiring requirements are met.

**4.9.1.8.1.1-0001: The TRC members present recommended that the entire TRC recommend a No vote on this CR.**

This CR proposes to change the requirement for access spaces to just require that they meet manufacturer’s recommendations and not be the greater of those required by OSHA, NEC, National Fuel Gas Code, or other official requirements; or the equipment-manufacturers’ recommendations. The TRC did not agree.

**4.12.8.13-0001: The TRC members present recommended that the entire TRC recommend a No vote on this CR.**

This CR would remove the requirement that NEC swimming POOL requirements apply to interactive water play venues. Although other MAHC sections require compliance with the NEC, the TRC did not feel

this needed to be removed from this section, especially given that the Interactive Water Play Venues committee did not propose removing it.

**5.6.3.2.2-0001: The TRC members present recommended that the entire TRC recommend a **No** vote on this CR.**

This CR proposes to remove the requirement that repairs or maintenance to existing receptacles maintain compliance with the NEC and with 29 CFR 1910.304(b) (3) (ii). The TRC did not agree with the proposed change.

**5.6.3.4.2-0001: The TRC members present recommended that the entire TRC recommend a **No** vote on this CR.**

This CR proposes to remove the requirement that grounding conductors that have been disconnected be re-inspected as required by the local building CODE authority prior to AQUATIC VENUE being used by BATHERS. The TRC did not agree with the proposed change.

**6.1.2.1.5.4-0001: The TRC members present recommended that the entire TRC recommend a **Yes** vote on this CR.**

This CR proposes to remove “and meet the requirements specified in the NEC and MAHC” from the daily inspection item “Electrical devices are in good working condition and meet the requirements specified in the NEC and MAHC” that should be included in operator training course curriculum. The TRC felt that checking compliance with those requirements did not make sense as a daily inspection item and that the daily inspection should just consist in making sure the electrical devices are in good working order.

**6.4.1.3.1-0002: The TRC members present recommended that the entire TRC recommend a **Yes** vote on this CR.**

This CR proposes to remove “and meet the requirements specified in the NEC and MAHC” from the daily inspection item “Electrical devices are in good working condition and meet the requirements specified in the NEC and MAHC” that should be performed daily before opening. The TRC felt that checking compliance with those requirements did not make sense as a daily inspection item and that the daily inspection should just consist in making sure the electrical devices are in good working order.

**6.5.4.6-0001: The TRC members present recommended that the entire TRC recommend a **No** vote on this CR.**

This CR proposes to remove “or as required by the AHJ” from the requirement “DISINFECTANT shall be removed by cleaning and shall be disposed of in a sanitary manner or as required by the AHJ” that applies to the clean-up of body fluid spills. Although the TRC wasn’t sure what these other requirements

maybe they felt that the statement was included in this section for a reason and they did not see justifiable rationale to remove it.

The TRC was unable to address the remainder of the CRs on the call, they will be moved to future call agendas or be addressed via email.