Welcome to the
Model Aquatic Health Code Network Webinar

Make Your Voice Heard: Understanding the Process to Help Update the MAHC
Featured Presenter: Douglas Sackett, Technical Director, CMAHC

Tuesday, October 8, 2019

Join the MAHC Network! Email MAHCnet@naccho.org and request to be added to the mailing list.

Please use your computer speakers to listen to today’s presentation.

Questions may be submitted via the chat box.

This webinar is being recorded.

We will begin at 2:00 PM Eastern.

Thank you for your interest and attendance!
Help Improve the MAHC App

If you’re interested in sharing your feedback on the MAHC:

How Can You Help?

• Email Manjari Kumarappan at manjari@communicatehealth.com

We’d love to hear your thoughts!
Featured Guest Speaker

Douglas Sackett
Technical Director
Council for the Model Aquatic Health Code
DouglasSackett@cmahc.org
Model Aquatic Health Code (MAHC)
MAHC Update Process

NACCHO MAHC Network Webinar
Douglas Sackett, Technical Director, CMAHC
October 8, 2019
Outline

- Overview of process
- Change Requests
- Technical Review Committee
- Technical Support Committees
- Vote on the Code Conference
- Voting
- 2021 MAHC 4th Edition
- Timeline
The Council for the Model Aquatic Health Code (CMAHC): MAHC Update Process
Change Requests-Who Can Submit?

- CMAHC members
  - But, do not need to be a member to submit
- Public
- CMAHC Ad Hoc Committees
  - Cyanuric Acid
  - Indoor Aquatic Facility Ventilation Design & Air Quality
  - Interactive Water Play Venues (Spray Grounds)
  - Surf Pools
- Standing Committees
  - Annex Revision and Update
  - MAHC/ISPSC Consistency
Change Requests (CRs)

- Electronic CR Form
  - Only available on CMAHC website at: https://cmahc.org/enter-change-request.php

- Before submitting a CR, review the “MAHC Scope, Principles and Style Guidance”
  - CMAHC website has a link to CDC’s webpage: https://www.cdc.gov/mahc/editions/principles-style-guidance.html
MAHC Scope, Principles, and Style Guidance

**Scope**

- Covers aspects of public aquatic facilities/venues relating to design, operation and policies that can impact health and safety of users/occupants
  - Impact can be a result of design, water quality, air quality, operations and management
MAHC Scope, Principles, and Style Guidance

- **Scope (con’t)**
  - Not intended to replace existing codes/standards that cover other aspects where standards otherwise apply (e.g., electrical/plumbing codes)
  - Nor impinge on regulatory authority of other gov’t jurisdictions that regulate/inspect certain aspects/parts where existing standards are otherwise applicable (e.g., amusement rides/slides)
MAHC Scope, Principles, and Style Guidance

- Principles
  - Guidance on how state/local health depts can transform pool programs into:
    - Data-driven, knowledge-based, risk reduction effort to prevent disease and injuries
  - Evolution not Revolution
    - Incremental improvements to allow regulatory and industry partners to adapt to MAHC guidelines
MAHC Scope, Principles, and Style Guidance

- **Style**
  - Keep different enforceable elements separate under different section numbers
    - Do not consolidate elements for reading/brevity purposes
    - Allows for better data analysis
  - Code language must be enforceable
    - Wording is directive and imperative
      - Do not use “may”, “should consider”, etc.
Change Request Form

- On “Tools and Forms” page, click on “Submit CMAHC Change Request”
  - Click on “Enter Change Request”
    - [https://cmahc.org/enter-change-request.php](https://cmahc.org/enter-change-request.php)
THIRD EDITION MODEL AQUATIC HEALTH CODE
2020 Change Request Form

All change requests and supporting materials must be received by midnight EST January 6, 2020.

Please follow the instructions below to request changes to the Model Aquatic Health Code (MAHC).

Guidance for Submitting a Change Request

NOTE: All Change Requests and supporting documentation must be submitted electronically. No hard copy forms will be accepted.

Intent: Any interested person or group may submit a change request or multiple requests.

Members: Sign in as a member first and the form will auto-populate with your identifying information.

Change Requests: Change requests must be completed in accordance with the directions outlined on this form and based on the latest edition of the Model Aquatic Health Code (MAHC), which is published on CDC's MAHC website: www.cdc.gov/mahc/editions/current.html.

Collective Request: If submitting a change request on behalf of a group or organization, indicate the point of contact in the “Name” line and the group in the “Submitted on Behalf of” line.

Form and Content of Change Requests: Each Change Request should only include one MAHC section number (e.g., MAHC 5.6.9.1.2.1). Submit a new Change Request if proposing to change another MAHC section - DO NOT COMBINE.

Withdrawal of a Proposal or Comment: Withdraw a Change Request at any time prior to the announced closing date for receiving the Change Request by sending an e-mail stating the name of the Change Request and the Change Request Number to be withdrawn to info@cmahc.org.

Save Draft Copy: The draft copy is your working copy, which, when "Save Draft Copy", is clicked saves what has been entered so far but is not officially submitted for consideration nor available for review by others.

Submit: Click on "Submit" when the Change Request (CR) is complete. The CR number will be automatically assigned and you will receive an automated response acknowledging receipt, which will include the assigned CR number. Once submitted, the CR will be reviewed for completeness and scope, which may entail discussion with the CMAHC. After any issues are addressed, the CMAHC will approve posting so the CR is available for TRC processing and member review on the CMAHC website under "View Change Requests".

Members can then submit comments using the comment form. Comments can be viewed in the "View 2020 CMAHC Conference Change Requests and Member Comments View Change Requests" page. You can make revisions to your submitted CR until the closing deadline of January 6, 2020.

Attach Documents: To attach supporting information documents, you must first click on either the "Save Draft Copy" or "Submit" buttons. This must be done before clicking on "Close".

Insert Images: To insert images...click here to upload an image. Once the image has been uploaded in can be inserted into the change request using the "Insert/edit image" option.

Close: Clicking on "Close" will close your form, no entered information will be saved unless you first click on "Save Draft Copy" or "Submit".

Print: You may print your CR at any time.

Guidance for Completing Change Request Form

Required fields for Change Request form: The minimum fields that must be completed when you are "Saving a Draft Copy" are:
Guidance for Completing Change Request Form

**Required fields for Change Request form:** The minimum fields that must be completed when you are "Saving a Draft Copy" are:

1. your email address, and
2. MAHC section number

The minimum fields that must be completed when you are "Submitting" are:

1. first name
2. last name
3. telephone #
4. email address
5. MAHC Code or Annex
6. MAHC Code or Annex section number
7. content for Items 4, 5, & 6 on the form

**Specify the MAHC Section, Table, or Figure of this Change Request:** When changes to an existing section are proposed, upon entering the existing section number, the current MAHC text will be pre-populated in Section 4 of the form. If proposing a new section, enter the new section number and add the text in Section 4 of the form per instructions.

**Propose NEW or REVISED or DELETED Text:** Present the text of the change request in proper code format and terminology with the specific wording desired, including deletions and additions, shown as indicated on the form. A text editor, which provides for underlining, strikethroughs, etc, will appear when text is added. Ensure the request is complete and specific to eliminate misinterpretation.

**Provide a Description of the Change Request:** Description should be <140 characters. This will be used at the conference to distinguish between Change Requests (e.g., *The change clarifies wording in the section title*).

**Provide the Reason and Benefit of the Suggested Change:** Justify why the requested change is necessary to improve the current provisions of the MAHC. If requesting to add or delete a requirement then support the request with a clear explanation that:

1. Demonstrates why the current provisions are inadequate or absent, and
2. Explains how the change request will improve the MAHC.

**Substantiate Request with Supporting Information:** Substantiate the proposed change based on technical information, published scientific studies, economic impact to regulated parties and/or manufacturers, other references or editorial in nature. The responsibility of providing supporting material lies with the submitter of the change request.

List all references used within the substantiation section of the change request form by first author and article title. Attach PDF copies of the references cited in the change request.
Change Request Form

- Refer to and follow instructions for completion and submission of a CR
  - One MAHC section per CR
  - Click “Save Draft Copy” to save as working copy
    - Clicking on “Close” will close form and *NOT* save entered information
    - Not officially submitted for consideration nor available for review by others
  - Click on “Submit” when CR is complete
    - CR # automatically assigned
    - Automated response sent acknowledging receipt
Change Request Form

- To access your saved or submitted CR forms:
  - For members, log-in
  - Your CR’s will be displayed

- For Non-members, follow same instructions, except
  - Fill in Change Request Key (issued when CR saved/submitted)

Your CR’s will be displayed
THIRD EDITION MODEL AQUATIC HEALTH CODE
2020 Change Request Form
(CR #: - Proposed)

**NOTE:** If part of a larger group or organization, please consolidate submissions to speed the CMAHC review process.

**NOTE:** Only submissions using this form will be accepted.

<table>
<thead>
<tr>
<th><strong>Name:</strong></th>
<th>First Name</th>
<th>Last Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of Submission:</td>
<td>09-30-2019</td>
<td></td>
</tr>
<tr>
<td><strong>Organization:</strong></td>
<td>Organization Name</td>
<td></td>
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<tr>
<td>Submitted on Behalf of:</td>
<td>Submitted on Behalf of</td>
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<td>Country:</td>
<td>United States</td>
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<td><strong>State or Province:</strong></td>
<td>Select State</td>
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<td>Zip or Mail Code:</td>
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<tr>
<td><strong>Email:</strong></td>
<td>Email Address</td>
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</tbody>
</table>

Your information will be used by the CMAHC staff, TRC, and/or TSC to contact you if there are questions about your CR submission.

Are you also willing to be contacted directly by other CMAHC members regarding your Change Request?  
[ ] Yes  [ ] No

Support committees assigned to this CR:
(This section to be completed by Executive Director)
Completing a Change Request Form

- Refer to and Follow Instructions for completing a Change Request Form
  - A text editor will appear, which provides for underlining, strikethroughs, etc.
    - Use underline on text to be added, strikethrough for text to be deleted.
Support committees assigned to this CR:
(This section to be completed by Executive Director)

- Design and Construction
- Disinfection and Water Quality
- Injury Prevention, Risk Management, and Safety
- Lifeguarding and Bather Supervision
- Operation and Maintenance
- Recirculation and Filtration
- Ventilation and Air Quality

1) Specify the MAHC Section, Table, or Figure that is the subject of this Change Request
   Check the box to indicate proposed changes to MAHC Section, Table, or Figure.
   Type the specific MAHC number beside "Number" (e.g., "5.7.4.4.1").
   The form will auto-populate with this MAHC item

   | ☐ Code | ☐ Annex | ☐ Both |
   | ☐ Section | ☐ Table | ☐ Figure |

   Section Number:  

2) Note Other MAHC Sections Affected by this Change:  ☐ Unknown  ☐ None

3) Select How MAHC Section Should Change
   Check the applicable box.

   | ☐ Revise/Edit as follows |
   | ☐ Add new Section text as follows |
   | ☐ Delete and substitute as follows |
   | ☐ Delete without substitution |

4) Propose NEW or REVISED or DELETED Text
   Use "Strikethrough" for text to be deleted. Use "Underline" on text to be added.
   Remember: Only one change request per form.
   
   Code Section:

   Code Section

5) Short Descriptive Title: Describe the Suggested Change 140 Characters or Less to be used as the CR Descriptive Title
   (e.g., Clarifies wording on required emergency phones at aquatic venues)

   Describe Suggested Change
Completing a Change Request Form (con’t)

- Provide justification why change is necessary to improve the MAHC with clear explanation that:
  - Demonstrates why current provisions are inadequate or absent
  - Explains how the CR will improve the MAHC
Completing a Change Request Form (con’t)

- Provide Estimated Costs
  - New for 2020
  - List costs to regulated parties and/or manufacturers to implement
  - Indicate information and methodology for cost estimate
Completing a Change Request Form (con’t)

- Provide substantiation to support proposed change
  - Must be supported by technical information, published scientific studies, other references, or editorial in nature
    - List all references used
5) **Short Descriptive Title: Describe the Suggested Change 140 Characters or Less to be used as the CR Descriptive Title**
   (e.g., Clarifies wording on required emergency phones at aquatic venues)

   **Describe Suggested Change**

6) **Explain the Purpose of, the Necessity for, and the Benefits Derived from the Proposed Change**
   (e.g., cost reduction, public health impact, new technology, etc.)

7) **Estimated Costs: List costs to regulated parties and/or manufacturers for implementation of the proposed change and indicate the information and methodology upon which the estimate is based.**

8) **Substantiate Request with Data and Supporting Information**
   Provide substantiation to support proposed change. Use "Attach Documents" button below to submit supporting information. Changes must be supported by technical information, published scientific studies, other references, or editorial in nature. Below, please cite references by name of first author and article title. (e.g., Author, Title.)
Change Request Form (con’t)

- Supporting information documents can be attached
- Images can be uploaded and inserted
Submission of a Completing a Change Request Form

▪ Click on “Submit” when CR is complete
▪ CMAHC staff will review submitted CRs for completeness and Scope
  ▪ CMAHC may contact submitter and submitter may need to address issues following discussion
Processing Completed Change Request Forms

- CMAHC staff will approve posting once any issues are addressed
- Posted CRs will be available for viewing on CMAHC website [https://cmahc.org/view-change-requests.php](https://cmahc.org/view-change-requests.php)
Member Comments During Processing

- CMAHC members can submit a member comment for a specific CR
  - Only CMAHC members can submit the electronic comment form
  - Member comment form accessible at bottom of posted CR form
    - Must be logged into website as a member
  - Member comment forms automatically posted for viewing and linked to the specific CR
Member Comments During Processing

- Three member comment periods
  - 1\textsuperscript{st} while CR is under TRC review and potential editing
  - 2\textsuperscript{nd} after CR finalized, TRC review released, but before Conference
    - To be included with CR discussions at conference
  - 3\textsuperscript{rd} after conference to influence voting
Processing Completed Change Request Forms

- Posted CRs are routed to the Technical Review Committee (TRC) for review
- TRC
  - ~11 members
  - Public health
  - Aquatics Industry
  - Academia
- Chair: Amanda Tarrier, New York State Dept. of Health
- Members in process of selection
  - Additional applications for membership are being accepted ([https://cmahc.org/technical-review-committee.php](https://cmahc.org/technical-review-committee.php))
Processing Completed Change Request Forms

- TRC role includes:
  - Review of technical/scientific data or other references submitted to support CR
  - Solicit input from the 7 Technical Support Committees (TSCs) as needed
Processing Completed Change Request Forms

- Technical Support Committees (TSCs)
  - Design & Construction
  - Disinfection & Water Quality
  - Injury Prevention, Risk Management, & Safety
  - Lifeguarding & Bather Supervision
  - Operation & Maintenance
  - Recirculation & Filtration
  - Ventilation & Air Quality

- Members in process of selection
  - Additional applications for membership are being accepted
    (https://cmahc.org/technical-support-committees.php)
Industry CR Content Liaisons

- New for 2020
- CMAHC members appointed (1 to each of the 7 categories)
  - Design & Construction
  - Disinfection & Water Quality
  - Injury Prevention, Risk Management, & Safety
  - Lifeguarding & Bather Supervision
  - Operation & Maintenance
  - Recirculation & Filtration
  - Ventilation & Air Quality
Industry CR Content Liaisons

- **Role:**
  - review CRs in their area of expertise/interest
  - Alert members to CRs needing member attention and participation in TRC conference calls and making member comments
- **Members to be selected**
Processing Completed Change Request Forms

- **TRC role (con’t):**
  - Schedule conference calls for CR reviews
    - Open to public for listening only to discussions
    - Members can submit comments in response/reaction to discussions
  - Review submitted Member Comments
  - Develop technical reviews and recommendations
    - With support/input of the TSCs
    - Includes consideration of member comments
  - Final TRC reviews and recommendations posted on CMAHC website for viewing
2020 *Vote on the Code* Triennial Conference

- CRs presented w/TRC recommendations and review of membership comments
  - Attendee discussions
- Opportunities for Caucus groups (based on sectors) to deliberate amongst themselves
- CR submitter can edit CR based on Conference attendee feedback
  - Edits reviewed by TRC
    - Any change to TRC vote recommendation posted within 3 week after end of conference
2020 *Vote on the Code* Triennial Conference

- Voting
  - Only CMAHC members can vote!
  - Opens 3 weeks after end of conference
  - Electronic only via CMAHC website
  - Continues for 1 month after opening
CMAHC Member Voting

- CMAHC Member Voting
  - Split by sector (public health/regulatory; aquatics)
  - Weighted vote
    - 50% public health
    - 50% aquatics
    - see example voting scenario at http://cmahc.org/voting-and-weighting.php
- Need 60% “yes” vote to pass
  - Changed from 50% “yes” vote
2020 *Vote on the Code* Triennial Conference

- **Voting Results**
  - Reviewed by CMAHC Board of Directors
  - Submitted to the CDC for final consideration for acceptance
  - 4th edition of the MAHC posted by CDC during swim season of the year following the conference (~July/August 2021)
Timeline - Key Dates

- **September 2019**
  - Official solicitation of Change Requests began on Sept. 2
  - Recruiting of TRC and TSC members and finalizing memberships
  - CRs being pre-screened and reviewed for completeness, scope and style

- **January 2020**
  - CR submission period ends on Jan. 6
  - Pre-screened CRs passed to TRC for review by Jan. 20
  - TRC Chair and Vice Chair review to determine workload
  - TSC assignments made
  - TRC conference call schedules posted
Timeline-Key Dates

- **February 2020**
  - TRC starts CR and member comment review process

- **May 2020**
  - Close of member comment period for influencing TRC reviews and recommendations on May 31

- **June 2020**
  - TRC submits final CR reviews and recommendations to CMAHC by June 30
Timeline - Key Dates

- July 2020
  - Final CRs and TRC reviews posted on CMAHC website
  - 2\textsuperscript{nd} member comment period opens. Comments intended to influence member discussion
  - Preliminary agenda for Conference posted on CMAHC website
Timeline - Key Dates

- October 2020
  - Deadline for CR comment submission to be included in CR slide presentation Friday 2.5 weeks before conference
  - *Vote on the Code* Conference in mid-October
  - CRs can be edited based on conference discussions
  - 3rd member comment period opens to influence vote and consider edited CRs
  - TRC reviews edited CRs, change voting recommendations as decided
  - Voting for CRs opens 3 weeks after conference. Voting open for 1 month from opening vote
Timeline-Key Dates

- **November 2020**
  - Voting closes Sunday, November 2020 at midnight EST

- **January 2021**
  - CMAHC delivers recommended changes to MAHC and rationale to CDC
  - Voting results posted

- **Summer 2021**
  - CDC launches 2021 MAHC 4th Edition
MAHC
More Information: Search on “CDC MAHC” or visit the Healthy Swimming MAHC Website: www.cdc.gov/mahc Email: mahc@cdc.gov

CMAHC
More Information: Search on “CMAHC” or visit the CMAHC Website: www.cmahc.org Email: info@cmahc.org
Contact Information

Doug Sackett
Technical Director, CMAHC
E-mail: DouglasSackett@cmahc.org
Phone: 678-221-7218
Questions ?
Announcements

• The World Aquatic Health Conference (WAHC): October 16-18, 2019 in Williamsburg, VA
  • [https://www.nspf.org/wahc](https://www.nspf.org/wahc)

• If you are interested in sharing your feedback on the MAHC App contact
  • Manjari Kumarappan at [manjari@communicatehealth.com](mailto:manjari@communicatehealth.com)

• Learn more and contact the Model Aquatic Health Code Network:
  • E-mail: [MAHCnet@naccho.org](mailto:MAHCnet@naccho.org)