

2018 Model Aquatic Health Code

Code Language

Mini-MAHC: Improving Swimmer Hygiene and Diaper-Changing



U.S. Department of
Health and Human Services
Centers for Disease
Control and Prevention

Extracted from the 2018 MAHC

CS295591-A

Mini-MAHC

Improving Swimmer Hygiene and Diaper-Changing

CDC's Model Aquatic Health Code (MAHC) consists of two guidance documents:

1. Code Language (3rd Edition, 2018)
2. Annex/ Rationale (3rd Edition, 2018)

Purpose:

Specific public health issues addressed in the MAHC are often spread across multiple chapters. Mini-MAHCs are intended to make the MAHC more user friendly by consolidating the code and annex language addressing a specific public health issue into a concise document. This will help environmental health practitioners and pool operators quickly find relevant MAHC recommendations and rationale so they can use the information to promote patron and staff health and safety.

This Mini-MAHC focuses on improving swimmer hygiene and diaper-changing practices to decrease pool water and surface contamination. The Mini-MAHC

- Addresses use of cleansing showers, poolside rinse showers and diaper-changing stations to reduce contamination.
- Promotes expanding swimmer education on hygienic practices and behaviors.
- Emphasizes limiting the walking distance to hygiene facilities to encourage use.

Although common health and safety elements such as garbage receptacles, drinking fountains, water supply, and sanitation are important for good public health, they are not discussed in this document. The full 2018 MAHC Code Language and Annex offers additional health and safety recommendations.

About swimmer hygiene and public health in the United States

- About 5% of the American public had diarrhea in the past month.
- People have about 0.14g of feces on their perianal surface.
- People sweat about 200ml/person/hour and urinate about 50ml/person/hour.
- One in five (20%) adults admits to peeing in public pools.
- About 20% of adults do not know they should not swim if ill with diarrhea.
- Swallowing pool water is common.
- A perianal surface cleansing shower before swimming can reduce the feces introduced into the pool.
- A 60-second poolside shower can significantly reduce the nitrogen-containing waste going into the pool.
- Changing diapers regularly and taking bathroom breaks can reduce fecal contamination of pool water.

Although chlorine and other disinfectants are an effective way to kill germs found in recreational water, they do not work instantly. Despite the use of disinfectants, treated recreational water-associated outbreaks continue to occur and affect thousands each year. Free chlorine oxidizes nitrogen-containing compounds from swimmers (e.g., sweat, urine, and personal care products) to form chloramines, which volatilize from the water and into the air and can cause eye and respiratory irritation. High chloramine production in indoor aquatic venues has been linked to outbreaks of eye and respiratory irritation. Improving swimmer hygiene through showering, improved diaper-changing practices, and education should improve pool water quality and reduce the incidence of outbreaks. We all share the water we swim in, so each of us needs to do our part to help keep our families, our friends and ourselves healthy.

IMPORTANT

Unless otherwise noted,

- Provisions in Chapter 4 (Aquatic Facility Design Standards and Construction) apply only to new construction or substantial alteration to an existing aquatic facility or venue.
- Provisions in Chapter 5 (Operation & Maintenance) apply to all aquatic facilities covered by the MAHC regardless of when constructed.
- Provisions in Chapter 6 (Policies & Management) apply to all aquatic facilities covered by the MAHC regardless of when constructed.

Citations were removed to condense the Mini-MAHCs. A list of references are in the complete version of the 2018 MAHC Annex (3rd Edition).

^A = denotes where information is further supplemented in the MAHC Annex (Rationale).

3.0 Glossary of Acronyms, Initialisms, Terms, Standards, Codes, and Laws Used in the MAHC Code

3.2 Glossary of Terms Used in the MAHC Code

Note: Defined glossary words and terms are in “SMALL CAPS” in the text of the code and annex chapters to alert the reader that there is a specific meaning assigned to those terms and that the meaning of a provision is to be interpreted in the defined context. Only Mini MAHC relevant terms are included here. Others are in the full 2018 MAHC 3rd Edition.

“Aquatic Facility” means a physical place that contains one or more aquatic venues and support infrastructure.

“Aquatic Venue” means an artificially constructed structure or modified natural structure where the general public is exposed to water intended for recreational or therapeutic purpose and where the primary intended use is not watering livestock, irrigation, water storage, fishing, or habitat for aquatic life. Such structures do not necessarily contain standing water, so water exposure may occur via contact, ingestion, or aerosolization. Examples include swimming pools, wave pools, lazy rivers, surf pools, spas (*including spa pools and hot tubs*), therapy pools, waterslide landing pools, spray pads, and other interactive water venues.

“Bather” means a person at an aquatic venue who has contact with water either through spray or partial or total immersion. The term bather as defined, also includes staff members, and refers to those users who can be exposed to contaminated water as well as potentially contaminate the water.

“Cleansing Shower” means a shower located within a hygiene facility using warm water and soap. The purpose of these showers is to remove contaminants including perianal fecal material, sweat, skin cells, personal care products, and dirt before bathers enter the aquatic venue.

“Contaminant” means a substance that soils, stains, corrupts, or infects another substance by contact or association.

“Diaper-Changing Station” means a hygiene station that includes a diaper-changing unit, hand-washing sink, soap and dispenser, a means for drying hands, trash receptacle, and disinfectant products to clean after use.

“Diaper-Changing Unit” means a diaper-changing surface that is part of a diaper-changing station.

“Foot Baths” means standing water in which bathers or aquatics staff rinse their feet.

“Hand Wash Station” means a location which has a hand wash sink, adjacent soap with dispenser, hand drying device or paper towels and dispenser, and trash receptacle.

“Hot Water” means an aquatic venue with water temperature over 90 degrees Fahrenheit (*30 degrees Celsius*).

“Hygiene Facility” means a structure or part of a structure that contains toilet, shower, diaper-changing unit, hand wash station, and dressing capabilities serving bathers and patrons at an aquatic facility.

“Hygiene Fixtures” means all components necessary for hygiene facilities including plumbing fixtures, diaper-changing stations, hand wash stations, trashcans, soap dispensers, paper towel dispensers or hand dryers, and toilet paper dispensers.

“Increased Risk Aquatic Venue” means an aquatic venue which due to its intrinsic characteristics and intended users has a greater likelihood of affecting the health of the bathers of that venue by being at increased risk for microbial contamination (*e.g., by children less than 5 years old*) or being used by people that may be more susceptible to infection (*e.g., therapy patients with open wounds*). Examples of increased-

risk aquatic venues include spray pads, wading pools and other aquatic venues designed for children less than 5 years old as well as therapy pools.

“Patron” means a bather or other person or occupant at an aquatic facility who may or may not have contact with aquatic venue water either through partial or total immersion. Patrons may not have contact with aquatic venue water, but could still be exposed to potential contamination from the aquatic facility air, surfaces, or aerosols.

“Plumbing Fixture” means a receptacle, fixture, or device that is connected to a water supply system or discharges to a drainage system or both and may be used for the distribution and use of water; for example: toilets, urinals, showers, and hose bibs. Such receptacles, fixtures, or devices require a supply of water; or discharge liquid waste or liquid-borne solid waste; or require a supply of water and discharge waste to a drainage system.

“Rinse Shower” means a shower typically located in the pool deck area with ambient temperature water. The main purpose is to remove dirt, sand, or organic material prior to entering the aquatic venue to reduce the introduction of contaminants and the formation of disinfection by-products.

“Shower” means a device that sprays water on the body.

4.0^A Aquatic Facility Design Standards and Construction

The provisions of MAHC Chapter 4 (*Aquatic Facility Design Standards and Construction*) apply to construction of a new AQUATIC FACILITY or AQUATIC VENUE or SUBSTANTIAL ALTERATION to an existing AQUATIC FACILITY or AQUATIC VENUE, unless otherwise noted.

4.1 Plan Submittal

4.1.2 Content of Design Report

4.1.2.2 Plans and Specifications

4.1.2.2.7 Hygiene Facility Design Detailed scaled and dimensional drawings for each AQUATIC FACILITY shall show the location and number of all available HYGIENE FACILITIES provided including dressing rooms, lockers and basket STORAGE, SHOWERS, lavatory, toilet FIXTURES, and DIAPER-CHANGING STATIONS.

4.10 Hygiene Facilities

4.10.1^A General

4.10.1.1 New Construction or Substantial Alteration All design provisions shall be required for new construction or SUBSTANTIAL ALTERATION to an existing AQUATIC FACILITY.

4.10.1.1.1 At Time of Adoption Exception: the following MAHC sections shall be required for all AQUATIC FACILITIES at time of adoption or within 1 year of adoption as stated:

- 1) MAHC 4.10.4.5: DIAPER-CHANGING STATIONS,
- 2) MAHC 4.10.4.6.5: Soap Dispensers, and
- 3) MAHC 4.10.4.6.9: Trash Can

4.10.1.2^A Minimum to Provide AQUATIC FACILITIES shall provide HYGIENE FACILITIES that include, at a minimum, toilets, urinals, SHOWERS, DIAPER-CHANGING STATIONS, and other HYGIENE FIXTURES, as specified herein.

4.10.1.3 Construction HYGIENE FACILITIES shall be constructed in accordance with applicable state and local CODES or as modified herein.

4.10.1.4 Minimum Toilets, Urinals, and Other Fixtures The minimum number of toilets, urinals, and other HYGIENE FIXTURES provided, excluding SHOWERS, shall be the greater of the following two options:

- 1) In accordance with applicable state and local CODES, or
- 2) Based upon maximum THEORETICAL PEAK OCCUPANCY of each AQUATIC VENUE.

4.10.1.5^A Theoretical Peak Occupancy THEORETICAL PEAK OCCUPANCY for all AQUATIC VENUES shall be calculated as defined in MAHC 4.1.2.3.5.3.

4.10.2 Location

4.10.2.1^A Distance Except as required in MAHC 4.10.2.2, a drinking fountain, toilet, HAND WASH STATION, and DIAPER-CHANGING STATION shall be located no greater than 300 feet (91 m) walking distance from each AQUATIC VENUE.

4.10.2.2^A Children Less than Five Years of Age An AQUATIC VENUE designed primarily for use by children less than 5 years of age shall have a drinking fountain, toilet, HAND WASH STATION, and DIAPER-CHANGING STATION located no greater than 200 feet (61 m) walking distance and in clear view from the nearest entry/exit of the AQUATIC VENUE.

4.10.3^A Design and Construction

4.10.3.1 Floors The floors of HYGIENE FACILITIES and dressing areas serving AQUATIC FACILITIES shall

have a smooth, easy-to-clean, impervious-to-water, slip-resistant surface.

4.10.3.1.1 *Coefficient of Friction* All surfaces required to be slip-resistant shall have a minimum dynamic coefficient of friction at least equal to the requirements of ANSI A137.1-2012 for that installation as measured by the DCOF AcuTest.

4.10.3.2^A **Floor Base** A hard, smooth, impervious-to-water, easy-to-clean base shall provide a sealed, coved juncture between the wall and floor and extend upward on the wall at least 6 inches (15.2 cm).

4.10.3.3 **Floor Drains** Floor drains shall be installed in HYGIENE FACILITIES and dressing areas where PLUMBING FIXTURES are located.

4.10.3.3.1^A *Opening Grill Covers* Floor drain opening grill covers shall be ½-inch (1.3 cm) or less in width or diameter.

4.10.3.3.2^A *Sloped to Drain* Floors shall be sloped to drain water or other liquids.

4.10.3.3.2.1 *Accessible Routes* Where DECK areas serve as ACCESSIBLE ROUTES or portions thereof, slopes in any direction shall not exceed ADA Standards and MAHC 4.8.1.3.1.

4.10.3.4 **Partitions and Enclosures** Partitions and ENCLOSURES adjacent to HYGIENE FACILITIES shall have a smooth, easy-to-clean, impervious surface.

4.10.3.5^A **Hose Bibb** At least one hose bibb or other potable water source capable of connecting a hose shall be located in each HYGIENE FACILITY to facilitate cleaning.

4.10.4^A **Plumbing Fixture Requirements**

4.10.4.1 **General**

4.10.4.1.1^A *Protected* PLUMBING FIXTURES shall be installed and operated in a manner to adequately protect the potable water supply from back siphonage or BACKFLOW in accordance with local, state or federal regulation.

4.10.4.1.2 *Easily Cleaned* PLUMBING FIXTURES shall be designed so that they may be readily and frequently cleaned, SANITIZED, and DISINFECTED.

4.10.4.1.3^A *Toilet Counts* Total toilet or urinal counts shall be in accordance with applicable state and local CODES or as modified herein.

4.10.4.1.4 *Hand Wash Sink* Hand wash sink counts shall be in accordance with applicable state and local CODES or as modified herein.

4.10.4.2^A **Cleansing Showers**

4.10.4.2.1^A *Count* The minimum number of CLEANSING SHOWERS shall be one per sex for AQUATIC FACILITIES less than 4000 square feet (372 m²) in collective AQUATIC VENUE surface area.

4.10.4.2.1.1 *Additional Cleansing Showers* An additional CLEANSING SHOWER per sex shall be added for each additional 4000 square feet (372 m²) of AQUATIC VENUE space or portion thereof.

4.10.4.2.2 *Distributed* CLEANSING SHOWERS shall be evenly distributed between sexes, as applicable.

4.10.4.2.3^A *Location* CLEANSING SHOWERS shall be located in a HYGIENE FACILITY that is near the entrance and within clear view of the AQUATIC VENUE.

4.10.4.2.4^A *Enclosed* Entryways to private or group CLEANSING SHOWER areas shall be enclosed by a door or curtain.

4.10.4.2.4.1 *Doors* SHOWER doors shall be of a smooth, hard, easy-to-clean material.

4.10.4.2.4.2 *Curtains* SHOWER curtains shall be of a smooth, easy-to-clean material.

4.10.4.2.5 Soap Dispenser CLEANSING SHOWERS shall be supplied with soap and a soap dispenser adjacent to the SHOWER.

4.10.4.2.6^A Exemption AQUATIC VENUES located in lodging and residential settings shall be exempt from MAHC 4.10.4.2.

4.10.4.3^A Rinse Showers

4.10.4.3.1 Minimum and Location A minimum of one RINSE SHOWER shall be provided on the DECK near an entry point to the AQUATIC VENUE.

4.10.4.3.2 Temperature Water used for RINSE SHOWERS may be at ambient temperature.

4.10.4.3.3^A Floor Sloped Floors of RINSE SHOWERS shall be sloped to drain wastewater away from the AQUATIC VENUE and meet local applicable CODES.

4.10.4.3.4^A Large Aquatic Facilities RINSE SHOWERS in AQUATIC FACILITIES greater than 7500 square feet (697 m^2) of water surface area shall be situated adjacent to each AQUATIC VENUE entry point or arranged to encourage BATHERS to use the RINSE SHOWER prior to entering the AQUATIC VENUE.

4.10.4.3.5^A Beach Entry A minimum of four showerheads per 50 feet (15.2 m) of beach entry AQUATIC VENUES shall be provided as a RINSE SHOWER.

4.10.4.3.6^A Lazy River A minimum of one RINSE SHOWER shall be provided at each entrance to a LAZY RIVER AQUATIC VENUE.

4.10.4.3.7^A Waterslide A minimum of one RINSE SHOWER shall be provided at each entrance to a WATERSLIDE queue line.

4.10.4.4^A All Showers AQUATIC FACILITIES with 7500 square feet (697 m^2) of water area or more may be flexible in the number of CLEANSING SHOWERS they provide based on the THEORETICAL PEAK OCCUPANCY in MAHC 4.1.2.3.5:

- 1) 25% of the required SHOWERS shall be CLEANSING SHOWERS,
- 2) 25% of the required SHOWERS shall be RINSE SHOWERS, and
- 3) the remaining 50% may be either cleansing or RINSE SHOWERS.

4.10.4.5^A Diaper-Changing Stations

4.10.4.5.1 Each Facility All AQUATIC FACILITIES allowing use by DIAPER-AGED BATHERS shall, upon adoption of this CODE, have at least one DIAPER-CHANGING STATION in each male and female HYGIENE FACILITY or make available a unisex DIAPER-CHANGING STATION.

4.10.4.5.1.1^A Hand Wash Sink For existing AQUATIC FACILITIES, the adjacent plumbed hand wash sink shall be installed and operational within 1 year from the date of the AHJ's adoption of the MAHC.

4.10.4.5.1.2^A Portable For existing AQUATIC FACILITIES that do not yet have an adjacent plumbed hand wash sink as specified in MAHC 4.10.4.5.1.1, a portable HAND WASH STATION shall be available adjacent to the station at all times.

4.10.4.5.2^A Conform DIAPER-CHANGING UNITS shall conform to either of the following STANDARDS:

- 1) ASTM Standard F2285-04: *Consumer Performance Standards for Commercial Diaper-Changing Stations*, or
- 2) The STANDARDS for diaper-changing surfaces in the most current version of *Caring for Our Children: National Health and Safety Performance Standards: Guidelines for Out-of-Home Child Care Programs*.

4.10.4.5.3^A Unisex If only a unisex HYGIENE FACILITY is provided, it shall have a DIAPER-CHANGING STATION that conforms to MAHC 4.10.4.5.

4.10.4.5.4^A Trash Can A covered, hands-free, plastic-lined trash receptacle or diaper pail shall be located directly adjacent to the DIAPER-CHANGING UNIT.

4.10.4.5.5 *Disinfecting Surface* An EPA-REGISTERED DISINFECTANT shall be provided for maintaining a clean and DISINFECTED DIAPER-CHANGING UNIT surface before and after each use.

4.10.4.6 Non-Plumbing Fixture Requirements

4.10.4.6.1 *Easy to Clean* All HYGIENE FIXTURES and appurtenances in the dressing area shall have a smooth, hard, easy-to-clean, impervious-to-water surface and be installed to permit thorough cleaning.

4.10.4.6.2 *Glass* Glass, excluding mirrors, shall not be permitted in HYGIENE FACILITIES.

4.10.4.6.3 *Mirrors* Mirrors shall be shatter resistant.

4.10.4.6.4^A *Lockers* If lockers are provided, they shall be installed at least 3.5 inches (8.9 cm) above the finished floor or on legs or a base at least 3.5 inches (8.9 cm) high and far enough apart to allow for cleaning and drying underneath the locker.

4.10.4.6.5 *Soap Dispensers* Soap dispensers shall be securely attached adjacent to hand washing sinks and at each CLEANSING SHOWER.

4.10.4.6.5.1 *Dispenser Materials* The dispensers shall be of all metal, plastic, or other shatterproof materials that can be readily and frequently cleaned.

4.10.4.6.6^A *Dryers / Paper Towels* Hand dryers or paper towel dispensers shall be provided and securely attached adjacent to hand washing sinks.

4.10.4.6.6.1 *Materials* Hand dryers and paper towel dispensers shall be of all metal, plastic or other shatterproof materials that can be readily and frequently cleaned.

4.10.4.6.7 *Toilet Paper Dispensers* Toilet paper dispensers shall be securely attached to wall or partition adjacent to each toilet.

4.10.4.6.8 *Female Facilities* In female HYGIENE FACILITIES, covered receptacles adjacent to each toilet shall be provided for disposal of used feminine hygiene products.

4.10.4.6.9 *Trash Can* A minimum of one hands-free trash receptacle shall be provided in areas adjacent to hand washing sinks.

4.10.5^A Provision of Suits, Towels, and Shared Equipment

4.10.5.1 *Adequate Space* AQUATIC FACILITIES supplying reusable suits, towels, and/or shared equipment shall provide adequate equipment and space for cleaning, sanitizing, drying, and storing of these materials.

4.10.6^A Foot Baths

4.10.6.1 *Prohibited* FOOT BATHS shall be prohibited.

4.10.7^A Sharps

4.10.7.1 *Container* If razors or other sharps are supplied by the AQUATIC FACILITY, a sharps container approved by local, state or federal regulations shall be provided within the HYGIENE FACILITY.

4.12 Specific Aquatic Venues

4.12.10^A Floatation Tanks

4.12.10.1^A *Design and Construction* Only the Design and Construction provisions contained in MAHC 4.12.10.1 thru 4.12.10.11 apply to construction of a new FLOATATION TANK facility or FLOATATION TANK or SUBSTANTIAL ALTERATION to an existing FLOATATION TANK facility or FLOATATION TANK, unless otherwise noted.

4.12.10.1.3 *Plans and Specifications*

4.12.10.1.3.8 *Hygiene Facility Design* Detailed scaled and dimensional drawings for each

FLOATATION TANK facility shall show the location and number of all available HYGIENE FACILITIES provided including dressing rooms, lockers, SHOWERS, lavatory, and toilet fixtures.

4.12.10.11 Cleansing Showers CLEANSING SHOWERS shall be provided in or immediately available/accessible to the room containing the FLOATATION TANK(S).

5.0^A Aquatic Facility Operation and Maintenance

5.6 Indoor / Outdoor Environment

5.6.9 Decks

5.6.9.3 Deck Maintenance

5.6.9.3.2 *Diaper Changing* Diaper changing shall only be done at a designated DIAPER-CHANGING STATION.

5.6.9.3.2.1 *Prohibited* Diaper changing shall be prohibited on the DECK.

5.10 Hygiene Facilities

5.10.4 Plumbing Fixture Requirements

5.10.4.1^A General Requirements

5.10.4.1.1 *Cleaned and Sanitized* HYGIENE FACILITY FIXTURES, dressing area fixtures, and furniture shall be cleaned and SANITIZED daily and more often if necessary with an EPA-REGISTERED product and more often if necessary to provide a clean and sanitary environment.

5.10.4.1.2 *Mold and Mildew* HYGIENE FACILITY floors, walls, and ceilings shall be kept clean and free of visible mold and mildew.

5.10.4.1.3 *Hand Wash Station* HAND WASH STATIONS shall include the following items:

- 1) Hand wash sink,
- 2) Adjacent soap with dispenser,
- 3) Hand drying device or paper towels and dispenser, and
- 4) Trash receptacle.

5.10.4.2 Cleansing Showers

5.10.4.2.1 *Cleaned and Sanitized* CLEANSING SHOWERS shall be cleaned and SANITIZED daily and more often if necessary with an EPA-REGISTERED product and more often if necessary to provide a clean and sanitary environment.

5.10.4.3^A Rinse Showers

5.10.4.3.1 *Cleaned* RINSE SHOWERS shall be cleaned daily and more often if necessary with an EPA-REGISTERED product and more often if necessary to provide a clean and sanitary environment.

5.10.4.3.2 *Easy Access* RINSE SHOWERS shall be easily accessible.

5.10.4.3.3 *Not Blocked* Equipment and furniture on the DECK shall not block access to RINSE SHOWERS.

5.10.4.3.4 *No Soap* Soap dispensers and soap shall be prohibited at RINSE SHOWERS.

5.10.4.4 All Showers [N/A]

5.10.4.5^A *Diaper-Changing Stations* DIAPER-CHANGING STATIONS are required in all AQUATIC FACILITIES upon adoption of this CODE per MAHC 4.10.4.5.1.

5.10.4.5.1 *Hand Wash Sink Installed and Operational* The adjacent hand wash sink shall be installed and operational within **1** year from the date of the AHJ's adoption of the MAHC.

5.10.4.5.2 *Cleaned* DIAPER-CHANGING STATIONS shall be cleaned and DISINFECTED daily and more often if necessary to provide a clean and sanitary environment.

5.10.4.5.2.1 *Maintained* They shall be maintained in good condition and free of visible

contamination.

5.10.4.5.3 Disinfectant EPA-REGISTERED DISINFECTANT shall be provided in the form of either of the following:

- 1) A solution in a spray dispenser with paper towels and dispenser, or
- 2) Wipes contained within a dispenser.

5.10.4.5.3.1 Covers If disposable DIAPER-CHANGING UNIT covers are provided in addition to DISINFECTANT, they shall cover the DIAPER-CHANGING UNIT surface during use and keep the unit in clean condition.

5.10.4.5.4 Portable Hand Wash Station If a portable HAND WASH STATION is provided for use it shall be operational and maintained in good condition at all times.

5.10.4.6^A Non-Plumbing Fixture Requirements

5.10.4.6.1 Paper Towels If paper towels are used for hand drying, a dispenser and paper towels shall be provided for use at HAND WASH STATIONS.

5.10.4.6.2 Soap Soap dispensers shall be provided at HAND WASH STATIONS and CLEANSING SHOWERS and shall be kept full of liquid or granular soap.

5.10.4.6.2.1 Bar Soap Bar soap shall be prohibited.

5.10.4.6.3 Trash A minimum of one hands-free trash receptacle shall be provided in areas adjacent to hand washing sinks.

5.10.4.6.3.1 Trash Emptying Trash receptacles shall be emptied daily and more often if necessary to provide a clean and sanitary environment.

5.10.4.6.4 Floor Coverings Non-permanent floor coverings (*including but not limited to mats and racks*) shall be removable and maintained in accordance with MAHC 5.10.4.1.1.

5.10.4.6.4.1 Wood Wooden racks, duckboards, and wooden mats shall be prohibited on HYGIENE FACILITY and dressing area flooring.

5.10.4.7 Sharps

5.10.4.7.1 Biohazard Action Plan A biohazard action plan shall also be on file as required by local, state or federal regulations and as part of the AQUATIC FACILITY SAFETY PLAN.

5.10.4.7.2 Disposed Sharps within approved containers shall be disposed of as needed by the AQUATIC FACILITY in accordance with local, state, or federal regulations.

5.10.5 Provision of Suits, Towels, and Shared Equipment

5.10.5.1^A Towels All towels provided by the AQUATIC FACILITY shall be washed with detergent in warm water, rinsed, and thoroughly dried at the warmest temperature listed on the fabric label after each use.

5.10.5.2 Suits Any attire provided by the AQUATIC FACILITY shall be washed in accordance with the fabric label or manufacturer's instructions.

5.10.5.3 Receptacles Non-absorbent, easily cleanable receptacles shall be provided for collection of used suits and towels.

5.10.5.4^A Shared Equipment Cleaned and Sanitized Equipment provided by the AQUATIC FACILITY that comes into contact with BATHER's eyes, nose, ears, and mouth (*including but not limited to snorkels, nose clips, and goggles*) shall be cleaned, SANITIZED between uses, and stored in a manner to prevent biological growth.

5.10.5.5^A Other Equipment Other shared equipment provided by the AQUATIC FACILITY, including but not limited to fins, kickboards, tubes, lifejackets, and noodles, shall be kept clean and stored in a manner to

prevent mold and other biological growth.

5.10.5.6 Good Repair Shared equipment shall be maintained in good repair.

5.10.5.7 Used Equipment Used and un-SANITIZED shared equipment shall be kept separate from cleaned and SANITIZED shared equipment.

5.10.5.7.1 Receptacles Non-absorbent, easily cleanable receptacles shall be provided for collection of used shared equipment.

5.12 Special Requirements for Specific Aquatic Venues

5.12.10^A Floatation Tanks Only the Operation and Maintenance provisions contained in MAHC sections 5.12.10.1 through 5.12.10.15 apply to FLOATATION TANKS unless otherwise noted.

5.12.10.11 Cleansing Showers and Hygiene Facilities

5.12.10.11.1 Signage Signs or other comparable means of notification shall be provided instructing PATRONS to SHOWER before entering the FLOATATION TANK.

5.12.10.11.2 Cleaned and Sanitized HYGIENE FACILITY fixtures, CLEANSING SHOWERS, dressing area fixtures, and furniture shall be cleaned and SANITIZED daily and more often if necessary with an EPA-REGISTERED product and more often if necessary to provide a clean and sanitary environment.

5.12.10.11.3 Mold and Mildew HYGIENE FACILITY floors, walls, and ceilings shall be kept clean and free of visible mold and mildew.

5.12.10.11.4 Hand Wash Station HAND WASH STATIONS shall include the following items:

- 1) Hand wash sink,
- 2) Adjacent soap with dispenser,
- 3) Hand drying device or paper towels and dispenser, and
- 4) Trash receptacle.

6.0^A Aquatic Facility Policies and Management

6.4^A Aquatic Facility Management

6.4.2 Patron-Related Management Aspects

6.4.2.2^A Signage

6.4.2.2.1 Facility Rules The operator shall post and enforce the AQUATIC FACILITY rules governing health, SAFETY, and sanitation.

6.4.2.2.2 Lettering The lettering shall be legible and at least 1 inch (25.4 mm or 36 point type) high, with a contrasting background.

6.4.2.2.3^A Sign Messages Signage shall be placed in a conspicuous place at the entrance of the AQUATIC FACILITY communicating expected and prohibited behaviors and other information using text that complies with the intent of the following information:

- 1) In case of an emergency, dial 911 or other emergency instructions, per MAHC 6.3.4.5.8;
- 2) Hours of operation;
- 3) THEORETICAL PEAK OCCUPANCY;
- 4) Pollution of AQUATIC VENUE prohibited;
- 5) Do not swim if you have open wounds;
- 6) Do not swim if you are ill with diarrhea or have had diarrhea within the past 2 weeks;
- 7) SHOWER before entering the water;
- 8) No glass items in the AQUATIC VENUE or on the DECK;
- 9) Do not swallow or spit water;
- 10) Diaper changing on the DECK is prohibited;
- 11) No Diving, as applicable per MAHC 5.5.5;
- 12) Intentional hyperventilation or extended breath holding activities are dangerous and prohibited;
- 13) No animals in the AQUATIC VENUE and no animals on the DECK, except service animals, if applicable;
- 14) No rough play; and
- 15) Children must be supervised by a responsible adult (parent or caregiver) up to the minimum age established by the AQUATIC FACILITY.

6.4.2.2.4 Hygiene Facility Signage Signage shall be posted at the HYGIENE FACILITY exit used to access AQUATIC VENUES stating or containing information, or text complying with the intent of the following information:

- 1) Do not swim when ill with diarrhea;
- 2) Do not swim with open wounds and sores;
- 3) SHOWER before entering the water;
- 4) Check your child's swim diapers/rubber pants regularly;
- 5) Diaper changing on the DECK is prohibited;
- 6) Do not poop or pee in the water;
- 7) Do not swallow or spit water; and
- 8) Wash hands before returning to the POOL.

6.4.2.2.5 Diaper-Changing Station Signage Signage shall be posted at DIAPER-CHANGING STATIONS stating or containing information, or text complying with the intent of the following information:

- 1) Dispose of used disposable diapers in the diaper bucket or receptacle provided;
- 2) Dump contents from reusable diapers into toilets and bag diapers to take home;
- 3) Use the materials provided to clean/SANITIZE the surface of the DIAPER-CHANGING STATION before and

after each use;

- 4) Wash your hands and your child's hands after diapering; and
- 5) Do not swim if ill with diarrhea.

6.4.2.3 Swimmer Empowerment Methods

6.4.2.3.1^A Public Information and Health Messaging The owner/operator shall ensure that a public information and health messaging program to inform INDOOR AQUATIC FACILITY PATRONS of their impact on INDOOR AQUATIC FACILITY air quality is developed and implemented.

6.4.2.3.2^A Post Inspection Results The results of the most recent AHJ inspection of the AQUATIC FACILITY shall be posted at the AQUATIC FACILITY in a location conspicuous to the public.