

Conducting an inspection using the Model Aquatic Health Code (MAHC)

CROSS-REFERENCE GUIDE

The MAHC consists of 2 guidance documents:

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

Purpose:

This Reference Guide was developed for use in the field while conducting aquatic venue inspections and for report development. The Reference Guide links the MAHC Aquatic Facility Inspection Report to content in the Code Language and Annex documents. The Reference Guide allows an inspector to quickly locate Code Language requirements and supporting information in the Annex needed to develop a comprehensive and detailed inspection report. The Reference Guide lists the most important Code Language and Annex elements by MAHC Aquatic Facility Inspection Report item number.

The provisions of 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.

The provisions of Chapter 5 (Operation & Maintenance) apply to all Aquatic Facilities covered by the MAHC regardless of when constructed, unless otherwise noted.

The provisions of Chapter 6 (Policies & Management) apply to all Aquatic Facilities covered by the MAHC regardless of when constructed, unless otherwise noted.

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

Inspection Report Item Description (**Bold** = critical violations)

- Code Language, Annex Section, and Element Reference

Pool/Spa Area

Inspection Report Item #1: Enclosure: fencing, walls, gates and doors in good repair

4.0^A Aquatic Facility Design Standards and Construction

- 4.8.6 Barriers and Enclosures
 - 4.8.6.1.1 Enclosed
 - 4.8.6.1.1.1 Barriers

5.0^A Facility Operations and Maintenance

- 5.6.10 Aquatic Facility Maintenance
 - 5.6.10.5^A Fencing and Barriers
 - 5.6.10.5.1 Maintenance
- 5.8.6 Barriers and Enclosures
 - 5.8.6.1 General Requirements

6.0^A Policies and Management

- 6.1.2.1.4.12 Barriers
- 6.4.1.3.1 Daily Inspection Items
 - #17 Fencing/Barriers, Gates
- 6.6.3.1^A **Violations Requiring Immediate Correction or Closure**
 - #14 Maintain Enclosure or Barrier



Inspection Report Item #2: Self-closing/Self-latching gates or doors operational

4.0^A Aquatic Facility Design Standards and Construction

- 4.8.6 Barriers and Enclosures
 - 4.8.6.3^A Gates and Doors
 - 4.8.6.3.1^A Self Closing and Latching

5.0^A Facility Operations and Maintenance

- 5.8.6 Barriers and Enclosures
 - 5.8.6.3.1 Self Closing and Latching

6.0^A Policies and Management

- 6.4.1.3.1 Daily Inspection Items
 - #17 Fencing/Barriers, Gates
- 6.6.3.1^A Violations Requiring Immediate Correction or Closure
 - #14 Maintain Enclosure or Barrier

Inspection Report Item #3: Protected overhead electrical wires/GFCI electrical receptacles

4.0^A Aquatic Facility Design Standards and Construction

- 4.6.1 Lighting
 - 4.6.1.4^A Overhead Lighting
- 4.6.3 Indoor/Outdoor Aquatic Facility Electrical Systems and Components
 - 4.6.3.1^A General Guidelines
- 4.8.7^A Aquatic Venue Cleaning Systems
 - 4.8.7.4 GFCI Power
 - 4.8.7.6^A GFCI Connection

5.0^A Facility Operations and Maintenance

- 5.6.3 Indoor / Outdoor Aquatic Facility Electrical Systems and Components
 - 5.6.3.1^A Electrical Repairs
 - 5.6.3.2^A Electrical Receptacles
 - 5.6.3.3^A Ground-Fault Circuit Interrupter
 - 5.6.3.4^A Grounding
 - 5.6.3.4.1 Maintenance and Repair
 - 5.6.3.5 Bonding
 - 5.6.3.6 Extension Cords
 - 5.6.3.7 Portable Electrical Devices

6.0^A Policies and Management

- 6.4.1.3.1 Daily Inspection Items
 - #19 Electrical devices
- 6.6.3.1^A Violations Requiring Immediate Correction or Closure
 - #7 Overhead electrical wires
 - #8 GFCI protected electrical receptacles

Inspection Report Item #4: Grab rails, ladders secured; shell, deck in good repair

4.0^A Aquatic Facility Design Standards and Construction

- 4.5.5 Handrails
- 4.5.6 Grab Rails
 - 4.5.6.2 Anchored
- 4.5.8 Ladders
 - 4.5.8.1 General Guidelines for Ladders
 - 4.5.8.1.2 Anchored
 - 4.5.8.2^A Ladder Handrails
- 4.8 Decks and Equipment
 - 4.8.1 Decks
 - 4.8.1.1 General Standards for All Decks

5.0^A Facility Operations and Maintenance

- 5.5.6^A Pool Shell Maintenance
 - 5.5.6.1.1 Repaired
- 5.6.9 Decks
 - 5.6.9.3 Deck Maintenance
 - 5.6.9.3.4^A Original Design
 - » 5.6.9.3.4.1^A Crack Repair

6.0^A Policies and Management

- 6.4.1.3.1 Daily Inspection Items
 - #1 Walkways/Deck and Exits

Inspection Report Item #5: Float/safety line clearly present

4.0^A Aquatic Facility Design Standards and Construction

- 4.5.19^A Depth Markers and Markings
 - 4.5.19.1.1 Markings
- 4.5.19.5^A Depth Marking At Break in Floor Slope
 - 4.5.19.5.3 Safety Rope
- 4.12.2.5.2 Landing Area
- 4.12.3.2.6 Float Line

Inspection Report Item #6: Depth” & “no diving” markers; stair stripes; in good repair and visible

4.0^A Aquatic Facility Design Standards and Construction

- 4.5.4 Stairs
 - 4.5.4.2 Outlined Edges
- 4.5.19^A Depth Markers and Markings
 - 4.5.19.1.1 Markings
 - 4.5.19.1.2^A Depth Measurements
 - 4.5.19.4 No Diving Markers
 - 4.5.19.4.1^A Depths


- 4.5.19.5^A Depth Marking At Break in Floor Slope
- 4.5.19.7.1 Clearly Visible

5.0^A Facility Operations and Maintenance

- 5.5.5^A Depth Markings
 - 5.5.5.1 Depth Markers
 - 5.5.5.2 No Diving Markers

6.0^A Policies and Management

- 6.6.3.1^A **Violations Requiring Immediate Correction or Closure**
 - #12 Total absence of or improper depth markings

 **Inspection Report Item #7: Skimmers: Weirs and baskets installed; clean and operating; covers in good repair**

4.0^A Aquatic Facility Design Standards and Construction

- 4.7.1 Recirculation Systems and Equipment
 - 4.7.1.4 Perimeter Overflow Systems/Gutters
 - 4.7.1.5 Skimmers and Alternative Gutter Technologies

5.0^A Facility Operations and Maintenance

- 5.7.1.4 Surface Skimming Devices
 - 5.7.1.4.5 Strainer Baskets
 - 5.7.1.4.6 Weirs

6.0^A Policies and Management

- 6.4.1.3.1 Daily Inspection Items
 - #3 Skimmer baskets, weirs

 **Inspection Report Item #8: Recirculation inlets functional**

4.0^A Aquatic Facility Design Standards and Construction

- 4.7.1 Recirculation Systems and Equipment
 - 4.7.1.3 Inlets
 - 4.7.1.3.1^A General
 - » 4.7.1.3.1.2 Inlets
 - 4.7.1.3.2^A Floor Inlets
 - 4.7.1.3.3 Wall Inlets

5.0^A Facility Operations and Maintenance

- 5.7.1 Recirculation Systems and Equipment
 - 5.7.1.3^A Inlets

6.0^A Policies and Management

- 6.4.1.3.1 Daily Inspection Items
 - #4 Inlet and return covers

Inspection Report Item #9: Main drain grate secured in place & in good repair

4.0^A Aquatic Facility Design Standards and Construction

- 4.5.2 Bottom Slope
 - 4.5.2.3^A Drain
- 4.7.1 Recirculation Systems and Equipment
 - 4.7.1.6^A Submerged Suction Outlet
- 4.12.1 Spas
 - 4.12.1.8 Drain
- 4.12.8 Interactive Water Play Venues
 - 4.12.8.4 Drains

5.0^A Facility Operations and Maintenance

- 5.7.1.5 Submerged Drains/Suction Outlet Covers or Gratings
 - 5.7.1.5.1 Replaced

6.0^A Policies and Management

- 6.4.1.3.1 Daily Inspection Items
 - #2 Drain covers
- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #16 Broken, unsecured, or missing main drain

Inspection Report Item #10: Water is clear, main drain visible

4.0^A Aquatic Facility Design Standards and Construction

- 4.5.1.2 Water Clarity

5.0^A Facility Operations and Maintenance

- 5.7.6^A Water Clarity
 - 5.7.6.1 Water Clarity
 - 5.7.6.1.1 Observation
 - 5.7.6.2 Visible
 - 5.7.6.2.1 Spas

6.0^A Policies and Management

- 6.4.1.3.1 Daily Inspection Items
 - #21 Assessing water clarity
- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #11 Bottom not visible

Inspection Report Item #11: Starting blocks removed, covered, or access blocked

4.0^A Aquatic Facility Design Standards and Construction

- 4.8.3 Starting Platforms
 - 4.8.3.5 Secure and Stable

❑ **5.0^A Facility Operations and Maintenance**

- 5.8.3^A Starting Platforms
 - 5.8.3.1.1 Supervision
 - 5.8.3.1.2 Removed or Restricted

↪ **Inspection Report Item #12: Pool deck free from obstructions; emergency exit marked**

❑ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.6.6 Emergency Exit
 - 4.6.6.1 Labeling
- 4.8.1 Decks
 - 4.8.1.5.2 Fixed Equipment
 - 4.8.1.5.2.1 Unobstructed Deck
- 4.12.1 Spas
 - 4.12.1.5^A Perimeter Deck
- 4.12.8 Interactive Water Play Venues
 - 4.12.8.7 Deck Area

❑ **5.0^A Facility Operations and Maintenance**

- 5.6.6 Emergency Exits
 - 5.6.6.1 Exit Routes
- 5.6.9 Decks
 - 5.6.9.3 Deck Maintenance
 - 5.6.9.3.1^A Free From Obstructions

❑ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items
 - #1 Walkways/Deck and exits are clear
 - #5 Safety warning signs and other signage

↪ **Inspection Report Item #13: Emergency phone or other communication device available and well-marked**

❑ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.8.5 Lifeguard- and Safety-Related Equipment
 - 4.8.5.2 Safety Equipment Required At All Aquatic Facilities
 - 4.8.5.2.1^A Emergency Communication Equipment
 - » 4.8.5.2.1.1 Conspicuous and Accessible
 - » 4.8.5.2.1.4 Signage

❑ **5.0^A Facility Operations and Maintenance**

- 5.8.5 Lifeguard- and Safety-Related Equipment
 - 5.8.5.2 Safety Equipment Required at All Aquatic Facilities

- 5.8.5.2.1 Emergency Communication Equipment
 - » 5.8.5.2.1.1^A Functioning Communication Equipment
 - » 5.8.5.2.1.2^A Hard-Wired Telephone for 911 Call
 - » 5.8.5.2.1.3 Conspicuous and Easily Accessible
 - » 5.8.5.2.1.4^A Alternate Communication Systems

☐ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items
 - #14 Emergency communication equipment

↪ **Inspection Report Item #14: First Aid Kit available**

☐ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.6.5 First Aid Area
 - 4.6.5.1^A Station Design

☐ **5.0^A Facility Operations and Maintenance**

- 5.8.5 Lifeguard- and Safety-Related Equipment
 - 5.8.5.2 Safety Equipment Required at All Aquatic Facilities
 - 5.8.5.2.2 First Aid Equipment
 - » 5.8.5.2.2.1^A Location for First Aid
 - » 5.8.5.2.2.2^A First Aid Supplies
 - 5.8.5.2.3 Signage
 - » 5.8.5.2.3.1^A Sign Indicating First Aid Location

☐ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items
 - #13 First aid supplies are stocked

↪ **Inspection Report Item #15: Appropriate safety equipment present & in good repair**

☐ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.8.5 Lifeguard- and Safety-Related Equipment
 - 4.8.5.3 Safety Equipment Required at Facilities with Lifeguards
 - 4.8.5.3.1^A Lifeguard Chair and Stand Placement
 - 4.8.5.3.2^A Lifeguard Chair and Stand Design
 - 4.8.5.3.3^A UV Protection for Chairs and Stands

☐ **5.0^A Facility Operations and Maintenance**

- 5.8.5 Lifeguard- and Safety-Related Equipment
 - 5.8.5.3 Safety Equipment Required at Facilities with Lifeguards
 - 5.8.5.3.1^A UV Protection for Chairs and Stands
 - 5.8.5.3.2^A Backboard
 - 5.8.5.3.3^A Rescue Tube Immediately Available
 - 5.8.5.3.4^A Rescue Tube on Person
 - 5.8.5.3.5^A Identifying Uniform

- 5.8.5.3.6^A Signal Device
- 5.8.5.3.7^A Sun Blocking Methods
- 5.8.5.3.8^A Polarized Sunglasses
- 5.8.5.3.9^A Personal Protective Equipment
- 5.8.5.3.10^A Rescue Throwing Device
- 5.8.5.3.11^A Reaching Pole
- 5.8.5.4 Safety Equipment and Signage Required at Facilities without Lifeguards
 - 5.8.5.4.1^A Throwing Device
 - 5.8.5.4.2^A Reaching Pole
 - 5.8.5.4.3^A CPR Posters
 - 5.8.5.4.4^A Imminent Health Hazard Sign
 - 5.8.5.4.5^A Additional Signage

□ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items
 - #6 Safety equipment
- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #10 Absence of all required lifesaving equipment

↪ **Inspection Report Item #16: Adequate supervision of the aquatic facility**

□ **6.0^A Policies and Management**

- 6.2.1^A Lifeguard Qualifications
- 6.3.2^A Aquatic Facilities Requiring Qualified Lifeguards
 - 6.3.2.1 List of Aquatic Facilities Requiring Qualified Lifeguards
- 6.3.3^A Safety Plan
 - 6.3.3.1.1^A Zone of Patron Surveillance
 - 6.3.3.1.2^A Rotation Procedures
 - 6.3.3.1.3 Alternation of Tasks
- 6.3.4 Staff Management
 - 6.3.4.1 Staff Provided Prior to Aquatic Venue Use
 - 6.3.4.2 Safety Team Responsibilities
 - 6.3.4.3 Lifeguard Staff
 - 6.3.4.3.1^A Minimum Number of Lifeguards
 - 6.3.4.3.2^A Lifeguard Responsibilities
 - 6.3.4.3.4^A Direct Surveillance
 - 6.3.4.3.5^A Distractions
- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #1 Failure to provide adequate supervision

Inspection Report Item #17: Signs: Bathing load/rules/chemicals/spa legible and in good repair

4.0^A Aquatic Facility Design Standards and Construction

- 4.6.6 Emergency Exit
 - 4.6.6.1 Labeling
- 4.9.1 Equipment Room
 - 4.9.1.7^A Separation from Chemical Storage Spaces
 - 4.9.1.7.3 Indoor Aquatic Facility Access
 - » 4.9.1.7.3.4 Warning Sign
- 4.9.2^A Chemical Storage Spaces
 - 4.9.2.4^A Chemical Storage Space Doors
 - 4.9.2.4.1^A Signage
 - 4.9.2.10 Ozone Rooms
 - 4.9.2.10.4 Signage
- 4.12.1^A Spas
 - 4.12.1.11^A Emergency Shutoff

5.0^A Facility Operations and Maintenance

- 5.8.5 Lifeguard-and Safety Related Equipment
 - 5.8.5.4 Safety Equipment and Signage Required at Facilities without Lifeguards
 - 5.8.5.4.3^A CPR Posters
 - 5.8.5.4.4^A Imminent Health Hazard Sign
 - 5.8.5.4.5^A Additional Signage
- 5.9.1 Chemical Storage
 - 5.9.1.14 Warning Signs
- 5.12.2 ^A Waterslides and Landing Pools
 - 5.12.2.1 Signage

6.0^A Policies and Management

- 6.4.1.3.1 Daily Inspection Items
 - #5 Safety warning signs
- 6.4.2 Patron-Related Management Aspects
 - 6.4.2.2^A Signage
 - 6.4.2.2.1 Facility Rules
 - 6.4.2.2.3^A Sign Messages
 - 6.4.2.2.4 Hygiene Facility Signage
 - 6.4.2.2.5 Diaper-Changing Station Signage
 - 6.4.2.3 Swimmer Empowerment Methods
 - 6.4.2.3.1^A Public Information and Health Messaging
 - 6.4.2.3.2^A Post Inspection Results

Inspection Report Item #18: Water temperature ≤ 104°F (40°C)

4.0^A Aquatic Facility Design Standards and Construction

- 4.6.4^A Pool Water Heating
 - 4.6.4.1A High Temperature
- 4.12.1 Spas
 - 4.12.1.7^A Temperature

5.0^A Facility Operations and Maintenance

- 5.7.4 Water Sample Collection and Testing
 - 5.7.4.7^A Water Temperature
 - 5.7.4.7.2^A Maximum Temperature

Water Chemicals

Inspection Report Item #19: Approved NSF/ANSI Standard 50 DPD test kit

4.0^A Aquatic Facility Design Standards and Construction

- 4.7.3^A Disinfection and pH Control
 - 4.7.3.5^A Water Quality Testing Devices and Kits
 - 4.7.3.5.1 Compliance

5.0^A Facility Operations and Maintenance

- 5.7.3 Water Treatment Chemicals and Systems
 - 5.7.3.6 Testing for Water Circulation and Quality
 - 5.7.3.6.1 Water Quality Testing Devices Available
 - 5.7.3.6.2 Store
 - 5.7.3.6.3 Temperature
 - 5.7.3.6.4 Calibration
 - 5.7.5^A Water Quality Chemical Testing Frequency
 - 5.7.5.1^A Chemical Levels

6.0^A Policies and Management

- 6.4.1 Operations
 - 6.4.1.6^A Daily Water Monitoring and Testing Records

Inspection Report Item #20: Proper disinfectant level

5.0^A Facility Operations and Maintenance

- 5.7.3 Water Treatment Chemicals and Systems
 - 5.7.3.1.1^A Chlorine (Hypochlorites)
 - 5.7.3.1.1.2.1 Not Using Cyanuric Acid
 - 5.7.3.1.1.2.2 Using Cyanuric Acid
 - 5.7.3.1.1.2.3 Spas
 - 5.7.3.1.1.5^A Maximum FAC Concentrations

- 5.7.3.1.2 Bromine
 - 5.7.3.1.2.2^A Minimum Bromine Concentrations
 - 5.7.3.1.2.3^A Maximum Bromine Concentrations
- 5.7.3.1.4^A Compressed Chlorine Gas
- 5.7.3.6 Testing for Water Circulation and Quality
 - 5.7.3.6.1 Water Quality Testing Devices Available
- 5.7.5^A Water Quality Chemical Testing Frequency
 - 5.7.5.1^A Chemical Levels
 - 5.7.5.2 Manual Disinfectant Feed System
 - 5.7.5.3 Automatic Disinfectant Feed System
- ☐ **6.0^A Policies and Management**
 - 6.4.1.3.1 Daily Inspection Items
 - #8 Recirculation, disinfection systems, controllers, and probes operating as required
 - #9 Secondary disinfection and/or supplemental treatment systems are operating as required
 - **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #2 Failure to provide minimum disinfectant residual levels
 - #5 Failure to continuously operate the aquatic venue filtration and disinfection equipment

Inspection Report Item #21: pH between 7.2 and 7.8

- ☐ **5.0^A Facility Operations and Maintenance**
 - 5.7.3 Water Treatment Chemicals and Systems
 - 5.7.3.4^A pH
 - 5.7.3.4.1 pH levels
 - 5.7.3.4.2 Approved Substances
 - 5.7.3.6 Testing for Water Circulation and Quality
 - 5.7.3.6.1 Water Quality Testing Devices Available
 - 5.7.5^A Water Quality Chemical Testing Frequency
 - 5.7.5.1^A Chemical Levels
- ☐ **6.0^A Policies and Management**
 - 6.4.1.3.1 Daily Inspection Items
 - #8 Recirculation, disinfection systems, controllers, and probes operating as required
 - **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #3 pH level below 6.5
 - #4 pH level above 8.0

Inspection Report Item #22: Combined chlorine < 0.4 ppm

- ☐ **5.0^A Facility Operations and Maintenance**
 - 5.7.4 Water Sample Collection and Testing
 - 5.7.4.4^A Aquatic Venue Water Chemical Balance
 - 5.7.4.4.2^A Combined Chlorine (Chloramines)

□ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items
 - #8 Recirculation, disinfection systems, controllers, and probes operating as required

↪ **Inspection Report Item #23: Cyanuric acid ≤ 90 ppm**

□ **5.0^A Facility Operations and Maintenance**

- 5.7.3 Water Treatment Chemicals and Systems
 - 5.7.3.1.3 Stabilizers
 - 5.7.3.1.3.1^A Cyanuric Acid
 - 5.7.3.1.3.2 Aquatic Venues
- 5.7.5^A Water Quality Chemical Testing Frequency
 - 5.7.5.7 Cyanuric Acid
 - 5.7.5.8 Saturation Index
 - 5.7.5.8.1 Tested
 - 5.7.5.8.2 Stabilized Chlorine

Equipment/Chemical Room

↪ **Inspection Report Item #24: Automated feeder operable**

□ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.7.3^A Disinfection and pH Control
 - 4.7.3.1 Chemical Addition Methods
 - 4.7.3.1.1 Disinfection and pH
 - » 4.7.3.1.1.2 Feeder
 - 4.7.3.2 Feed Equipment
 - 4.7.3.2.1^A General
 - » 4.7.3.2.1.1 Required
 - » 4.7.3.2.1.2 Feeders & Devices
 - » 4.7.3.2.1.3 Interlock Controls and No or Low Flow Deactivation
 - 4.7.3.2.2^A Sizing of Disinfection Equipment
 - » 4.7.3.2.2.1 Sizing
 - » 4.7.3.2.2.2 Chlorine Dosing
 - ◆ 4.7.3.2.2.2.1 Chlorine Demand Factors
 - » 4.7.3.2.2.4 Upon Operation
 - 4.7.3.2.3 Introduction of Chemicals
 - » 4.7.3.2.3.1 Separation
 - » 4.7.3.2.3.2 Backflow
 - » 4.7.3.2.3.3 Coagulants
 - 4.7.3.2.4 Compressed Chlorine Gas
 - » 4.7.3.2.4.1 Prohibited for New Construction

- 4.7.3.2.5^A Types of Feeders
 - » 4.7.3.2.5.1 Liquid Solution Feeders
 - » 4.7.3.2.5.2 Erosion
 - » 4.7.3.2.5.3 Gas Feed Systems
 - » 4.7.3.2.5.4 Ventilation
 - » 4.7.3.2.5.5 Alarms
 - » 4.7.3.2.5.6 UV Systems
- 4.7.3.2.6 Salt Electrolytic Chlorine Generators, Brine Electrolytic Chlorine, or Bromine Generators
 - » 4.7.3.2.6.1 Salt Electrolytic Chlorine Generators
 - » 4.7.3.2.6.2 In-line Method
 - » 4.7.3.2.6.3 Batch Method
- 4.7.3.2.7^A Feeders for pH Adjustment
 - » 4.7.3.2.7.1 Provided
 - » 4.7.3.2.7.2 Approved Substances

□ 5.0^A Facility Operations and Maintenance

- 5.7.3 Water Treatment Chemicals and Systems
 - 5.7.3.5^A Feed Equipment
 - 5.7.3.5.1 Acceptable Chemical Delivery
 - » 5.7.3.5.1.3 Fail Proof Safety Features
 - » 5.7.3.5.1.4 Maintained
 - 5.7.3.5.2 Chemical Feeders
 - 5.7.3.5.3 Dry Chemical Feeders
 - 5.7.3.5.4 Venturi Inlet
 - 5.7.3.5.5 Erosion Feeders
 - 5.7.3.5.6 Liquid Solution Feeders
 - 5.7.3.5.7 Checked Daily
 - 5.7.3.5.8 Gas Feed Systems
 - 5.7.3.5.9 Carbon Dioxide
- 5.7.5^A Water Quality Chemical Testing Frequency
 - 5.7.5.3 Automatic Disinfectant Feed System

□ 6.0^A Policies and Management

- 6.4.1.3.1 Daily Inspection Items
 - #8 Recirculation, disinfection systems, controllers, and probes operating as required

Inspection Report Item #25: Automated controller operable

□ 4.0^A Aquatic Facility Design Standards and Construction

- 4.7.3^A Disinfection and pH Control
 - 4.7.3.1 Chemical Addition Methods
 - 4.7.3.1.1 Disinfection and pH
 - » 4.7.3.1.1.1 Controller Used

- 4.7.3.2 Feed Equipment
 - 4.7.3.2.8^A Automated Controllers
 - 4.7.3.2.8.1 Required
 - 4.7.3.2.8.2 NSF Standard
 - 4.7.3.2.8.3 Operation Manuals
 - 4.7.3.2.8.4 Set Point

☐ **5.0^A Facility Operations and Maintenance**

- 5.7.3 Water Treatment Chemicals and Systems
 - 5.7.3.7 Automated Controllers and Equipment Monitoring
 - 5.7.3.7.1 Use of Controller
 - » 5.7.3.7.2 Sampling
 - » 5.7.3.7.3 Monitor
 - » 5.7.3.7.4 Activities
 - » 5.7.3.7.6 Calibration
 - » 5.7.3.7.7^A Ozone System
 - » 5.7.3.7.8^A UV Systems
 - » 5.7.3.7.9 UV Alarm Testing and Maintenance

☐ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items
 - #8 Recirculation, disinfection systems, controllers, and probes operating as required

↪ **Inspection Report Item #26: Piping and valves identified and marked**

☐ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.7.1 Recirculation Systems and Equipment
 - 4.7.1.7 Piping
 - 4.7.1.7.1 Design
 - » 4.7.1.7.1.2 Standards
 - ◆ 4.7.1.7.1.2.1 Certified, Listed, and Labeled
 - ◆ 4.7.1.7.1.2.2 Certified
 - 4.7.1.7.4 Piping and Component Identification
 - » 4.7.1.7.4.1^A Clearly Marked
 - » 4.7.1.7.4.2 Flow Direction and Source
 - » 4.7.1.7.4.3 Valves
 - » 4.7.1.7.4.4 Schematic Displayed
- 4.9.1 Equipment Room
 - 4.9.1.5^A Markings
 - 4.9.1.5.1 Piping Identified
 - » 4.9.1.5.1.1 Components to Identify
 - 4.9.1.5.2 Piping Marked

- 4.9.1.5.3 Valves Identified
 - » 4.9.1.5.3.1 Valves Described
 - » 4.9.1.5.3.2 Piping Diagram
- 4.9.2.7 Pipes and Tubes in Interior Chemical Storage Spaces
 - 4.9.2.7.1 Not Enter
 - 4.9.2.7.2 Devices
 - 4.9.2.7.3 Wall Penetrations

Inspection Report Item #27: Flow meter present and operating

4.0^A Aquatic Facility Design Standards and Construction

- 4.7.1 Recirculation Systems and Equipment
 - 4.7.1.9 Flow Measurement and Control
 - 4.7.1.9.1^A Flow Meters
 - » 4.7.1.9.1.1 Certified, Listed, and Labeled

5.0^A Facility Operations and Maintenance

- 5.7.1 Recirculation Systems and Equipment
 - 5.7.1.8^A Flow Meters

Inspection Report Item #28: Recirculation pump: approved, good repair, operating

4.0^A Aquatic Facility Design Standards and Construction

- 4.3 Equipment Standards
 - 4.3.1^A Accredited Standards
 - #2 Certified, Listed, and Labeled
 - 4.3.3 Suitable for Intent
- 4.7.1 Recirculation Systems and Equipment
 - 4.7.1.1^A General
 - 4.7.1.1.3 Recirculation System
 - 4.7.1.6^A Submerged Suction Outlet
 - 4.7.1.10^A Flow Rates / Turnover Times
 - Table 4.7.1.10: Aquatic Venue Maximum Allowable Turnover Times

5.0^A Facility Operations and Maintenance

- 5.7.1 Recirculation Systems and Equipment
 - 5.7.1.1^A General
 - 5.7.1.1.1 Continuous Operation
 - 5.7.1.5 Submerged Drains/Suction Outlet Covers or Gratings
 - 5.7.1.9 Flow Rates / Turnovers

6.0^A Policies and Management

- 6.4.1.3.1 Daily Inspection Items
 - #4 Inlet and return covers and any other fittings are in place, secure, and unbroken
 - #8 Recirculation, disinfection systems, controllers, and probes operating as required

- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #5 Failure to continuously operate the aquatic venue filtration and disinfection equipment

↪ **Inspection Report Item #29: Filter: approved, good repair, operating**

☐ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.7.2^A Filtration
 - 4.7.2.1 All Filters
 - 4.7.2.1.1 Required
 - 4.7.2.2 Granular Media Filters
 - 4.7.2.3 Precoat Filters
 - 4.7.2.4 Cartridge Filters

☐ **5.0^A Facility Operations and Maintenance**

- 5.7.2 Filtration
 - 5.7.2.1 General
 - 5.7.2.1.1 Certified, Listed, and Labeled
 - 5.7.2.1.2 Cleaned
 - 5.7.2.2 Granular Media Filters
 - 5.7.2.2.1 Filtration Rates
 - 5.7.2.2.2 Backwashing Rates
 - 5.7.2.2.3 Clear Water
 - 5.7.2.2.4^A Backwashing Frequency
 - 5.7.2.3 Precoat Filters
 - 5.7.2.3.2^A Return to the Pool
 - 5.7.2.3.4^A Cleaning
 - 5.7.2.3.5 Continuous Feed Equipment
 - 5.7.2.3.7^A Filter Media
 - 5.7.2.4 Cartridge Filters
 - 5.7.2.4.2^A Filtration Rates
 - 5.7.2.4.3^A Filter Elements
 - 5.7.2.4.4 Spare Cartridge

☐ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items
 - #8 Recirculation, disinfection systems, controllers, and probes operating as required
- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #5 Failure to continuously operate the aquatic venue filtration and disinfection equipment

Inspection Report Item #30: Pump strainer: baskets in good condition, not clogged

4.0^A Aquatic Facility Design Standards and Construction

- 4.7.1 Recirculation Systems and Equipment
 - 4.7.1.4 Perimeter Overflow Systems/Gutters
 - 4.7.1.4.1 General
 - » 4.7.1.4.1.1^A Skimming
 - » 4.7.1.4.1.2 Zero Depth Entry
 - 4.7.1.5 Skimmers and Alternative Gutter Technologies Using In-Pool Surge Capacity
 - 4.7.1.5.1 General
 - » 4.7.1.5.1.2^A Provided
 - » 4.7.1.5.1.3^A Hybrid Systems
 - 4.7.1.5.2 Skimmer Location
 - 4.7.1.5.3^A Skimmer Flow Rate
 - 4.7.1.8 Strainers and Pumps
 - 4.7.1.8.1 Strainers
 - » 4.7.1.8.1.1 Strainer / Screen

5.0^A Facility Operations and Maintenance

- 5.7.1 Recirculation Systems and Equipment
 - 5.7.1.4 Surface Skimming Devices
 - 5.7.1.4.1 Perimeter Overflow
 - 5.7.1.4.3 Skimmer Water Levels
 - 5.7.1.4.4 Flow
 - 5.7.1.4.5 Strainer Baskets
 - 5.7.1.4.6 Weirs
 - 5.7.1.7 Strainers & Pumps

6.0^A Policies and Management

- 6.4.1.3.1 Daily Inspection Items
 - #2 Drain covers, vacuum fitting covers, SKIMMER equalizer covers, and any other suction outlet covers are in place, secure, and unbroken
 - #3 SKIMMER baskets, weirs, lids, flow adjusters, and suction outlets are free of any blockage

Inspection Report Item #31: Filter gauges operable: filter inlet and outlet, strainer, sight glass

4.0^A Aquatic Facility Design Standards and Construction

- 4.7.1 Recirculation Systems and Equipment
 - 4.7.1.8 Strainers and Pumps
 - 4.7.1.8.1 Strainers
 - » 4.7.1.8.1.1 Strainer / Screen
 - 4.7.1.8.3^A Operating Gauges
 - » 4.7.1.8.3.1 Vacuum Gauge
 - » 4.7.1.8.3.2 Suction Lift

- » 4.7.1.8.3.3 Installed
- » 4.7.1.8.3.4 Easily Read
- » 4.7.1.8.3.5 Valves
- 4.7.2^A Filtration
 - 4.7.2.2 Granular Media Filters
 - 4.7.2.2.1^A General
 - » 4.7.2.2.1.2 Filtration Accessories
 - 4.7.2.2.2^A Filter Location and Spacing
 - » 4.7.2.2.2.1 Installed
- **6.0^A Policies and Management**
 - 6.4.1.3.1 Daily Inspection Items
 - #8 Recirculation, disinfection systems, controllers, and probes operating as required

↪ Inspection Report Item #32: Proper functioning UV system; ozone system

□ 4.0^A Aquatic Facility Design Standards and Construction

- 4.7.3^A Disinfection and pH Control
 - 4.7.3.3 Secondary Disinfection Systems
 - 4.7.3.3.2^A Log Inactivation and Oocyst Reduction
 - » 4.7.3.3.2.1^A Log Inactivation
 - » 4.7.3.3.2.2^A Installation
 - » 4.7.3.3.2.4^A Minimum Flow Rate Calculation
 - » 4.7.3.3.2.5^A Equation
 - » 4.7.3.3.2.6 Time for Dilution Reduction
 - » 4.7.3.3.2.7^A Flow Rate Measurements
 - 4.7.3.3.3^A Ultraviolet Light Systems
 - » 4.7.3.3.3.3 Installation
 - ◆ 4.7.3.3.3.3.2 Strainer Installation
 - » 4.7.3.3.3.4.2 Operation
 - » 4.7.3.3.3.5 Calibrated UV Sensors
 - » 4.7.3.3.3.6 Automated Shut Down
 - 4.7.3.3.4 Ozone Disinfection
 - » 4.7.3.3.4.1^A 3-log Inactivation
 - » 4.7.3.3.4.4 Ozone System Components
 - » 4.7.3.3.4.7 Installation and Injection Point
 - » 4.7.3.3.4.10 Automatic Shut Down

□ 5.0^A Facility Operations and Maintenance

- 5.7.3 Water Treatment Chemicals and Systems
 - 5.7.3.2^A Secondary or Supplemental Treatment Systems
 - 5.7.3.2.1 Ultraviolet Light
 - » 5.7.3.2.1.1 Operate with Recirculation System

- » 5.7.3.2.1.2^A Log Inactivation
- » 5.7.3.2.1.3 Free Available Chlorine and Bromine Levels
- » 5.7.3.2.1.4^A Calibrated Sensors
- 5.7.3.2.2 Ozone
 - » 5.7.3.2.2.1 Log Inactivation
 - » 5.7.3.2.2.2 Residual Ozone Concentration
 - » 5.7.3.2.2.3 Free Available Chlorine and Bromine Levels
 - » 5.7.3.2.2.4 Standard Operating Manual
- 5.7.3.2.3^A Copper / Silver Ions
 - » 5.7.3.2.3.2 Concentrations
- 5.7.3.7.7^A Ozone System
 - » Table 5.7.3.7.7: Ozone System Monitoring Frequency
- 5.7.3.7.8^A UV Systems
 - » Table 5.7.3.7.8: UV System Monitoring and Calibration Frequency
- 5.7.3.7.9 UV Alarm Testing and Maintenance

□ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items
 - #9 Secondary Disinfection Systems and/or Supplemental treatment Systems are operating as required

 **Inspection Report Item #33: Chemicals: labeled, stored safely, secured**

□ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.9.1 Equipment Room
 - 4.9.1.7^A Separation from Chemical Storage Spaces
- 4.9.2^A Chemical Storage Spaces
 - 4.9.2.1 Outdoor / Indoor Storage
 - 4.9.2.1.1 Stored Outdoors
 - 4.9.2.1.2 Minimize Vapors
 - 4.9.2.1.3^A Dedicated Space
 - 4.9.2.1.4^A Eyewash
 - 4.9.2.2^A Construction
 - 4.9.2.2.2 Protected
 - 4.9.2.2.4 Minimize Fumes
 - 4.9.2.2.6^A No Openings
 - 4.9.2.3^A Exterior Chemical Storage Spaces
 - 4.9.2.3.2^A Fencing
 - 4.9.2.3.3 Gate
 - 4.9.2.4^A Chemical Storage Space Doors
 - 4.9.2.4.1^A Signage
 - 4.9.2.4.2^A Emergency Egress
 - 4.9.2.4.3^A Interior Door

- 4.9.2.4.4^A Equipment Space
- 4.9.2.4.5 Interior Opening
 - » 4.9.2.4.5.1 Corrosion-Resistant
 - » 4.9.2.4.5.2^A Automatic Lock
- 4.9.2.5^A Interior Chemical Storage Spaces
 - 4.9.2.5.1^A No Air Movement
 - 4.9.2.5.2^A Electrical Conduit System
- 4.9.2.6 Air Ducts in Interior Chemical Storage Spaces
 - 4.9.2.6.1^A No Air Movement
 - 4.9.2.6.2 Chemical Storage
 - » 4.9.2.6.2.1 Corrosion-Resistant
- 4.9.2.7 Pipes and Tubes in Interior Chemical Storage Spaces
 - 4.9.2.7.1 Not Enter
 - » 4.9.2.7.1.2 Automatic Fire Suppression
 - » 4.9.2.7.1.3 Drainage
 - 4.9.2.7.2 Devices
 - 4.9.2.7.3 Wall Penetrations
- 4.9.2.8^A Combustion Equipment in Interior Chemical Storage Spaces
 - 4.9.2.8.1 Installed
- 4.9.2.10 Ozone Rooms
 - 4.9.2.10.1 Only Ozone Equipment
 - 4.9.2.10.2 Emergency Ventilation
 - 4.9.2.10.4 Signage
 - 4.9.2.10.5 Alarm System
- 4.9.2.11^A Gaseous Chlorination Space
 - 4.9.2.11.3 Secure Tanks
 - 4.9.2.11.5 Compressed-Chlorine Gas
 - 4.9.2.11.6 Entry Door
 - » 4.9.2.11.6.1 Pool or Deck
 - 4.9.2.11.8 Ventilation
- 4.9.2.13 Sealing and Blocking Materials
 - 4.9.2.13.1 Minimize Leakage
 - 4.9.2.13.2 Compatible
 - 4.9.2.13.3 Fire Rating

□ 5.0^A Facility Operations and Maintenance

- 5.9.1 Chemical Storage
 - 5.9.1.1^A Local Codes
 - 5.9.1.2^A OSHA and EPA
 - 5.9.1.3^A Safety Data Sheets
 - 5.9.1.4 Access Prevention

- 5.9.1.5^A Protected
- 5.9.1.6^A No Mixing
- 5.9.1.7^A Ignition Sources
- 5.9.1.8 Smoking
- 5.9.1.9^A Lighting
- 5.9.1.10^A Personal Protective Equipment
- 5.9.1.11 Storage
- 5.9.1.12 Single Container
- 5.9.1.13 Separate
- 5.9.1.14 Warning Signs
- 5.9.2 Chemical Handling
 - 5.9.2.1 Identity
 - 5.9.2.1.1 Labeling
- ☐ **6.0^A Policies and Management**
 - 6.4.1.3.1 Daily Inspection Items
 - #12 Doors to nonpublic areas (Chemical Storage Spaces) are locked

Inspection Report Item #34: Appropriate Personal Protective Equipment (PPE) available

- ☐ **4.0^A Aquatic Facility Design Standards and Construction**
 - 4.9.2^A Chemical Storage Spaces
 - 4.9.2.1 Outdoor / Indoor Storage
 - 4.9.2.1.4^A Eyewash
 - 4.9.2.11^A Gaseous Chlorination Space
 - 4.9.2.11.8 Ventilation
 - » 4.9.2.11.8.4 Personal Protective Equipment Available
 - » 4.9.2.11.8.5 SCBA Systems
- ☐ **5.0^A Facility Operations and Maintenance**
 - 5.8.5 Lifeguard-and Safety Related Equipment
 - 5.8.5.3 Safety Equipment Required at Facilities with Lifeguards
 - 5.8.5.3.9^A Personal Protective Equipment
 - 5.9.1 Chemical Storage
 - 5.9.1.10^A Personal Protective Equipment

Hygiene Facilities

Inspection Report Item #35: Diaper-changing station present; sink, adjacent trash can, sanitizer

- ☐ **4.0^A Aquatic Facility Design Standards and Construction**
 - 4.10.4^A Plumbing Fixture Requirements
 - 4.10.4.5^A Diaper-Changing Stations
 - 4.10.4.5.1 Each Facility
 - » 4.10.4.5.1.1^A Hand Wash Sink
 - » 4.10.4.5.1.2^A Portable

- 4.10.4.5.2^A Conform
- 4.10.4.5.3^A Unisex
- 4.10.4.5.4^A Trash Can
- 4.10.4.5.5 Disinfecting Surface

☐ **5.0^A Facility Operations and Maintenance**

- 5.10.4 Plumbing Fixture Requirements
 - 5.10.4.5^A Diaper-Changing Stations
 - 5.10.4.5.1 Hand Wash Sink Installed and Operational
 - 5.10.4.5.2 Cleaned
 - 5.10.4.5.3 Disinfectant
 - 5.10.4.5.4 Portable Hand Wash Station
 - 5.10.4.6^A Non-Plumbing Fixture Requirements
 - 5.10.4.6.1 Paper Towels
 - 5.10.4.6.2 Soap
 - 5.10.4.6.3 Trash

↪ **Inspection Report Item #36: Used equipment separated from cleaned equipment**

☐ **5.0^A Facility Operations and Maintenance**

- 5.10.5 Provision of Suits, Towels, and Shared Equipment
 - 5.10.5.3 Receptacles
 - 5.10.5.4^A Shared Equipment Cleaned and Sanitized
 - 5.10.5.5^A Other Equipment
 - 5.10.5.7 Used Equipment
 - 5.10.5.7.1 Receptacles

↪ **Inspection Report Item #37: Toilets: clean, good repair, bathroom appropriately stocked**

☐ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.10 Hygiene Facilities
 - 4.10.1^A General
 - 4.10.1.2^A Minimum to Provide
 - 4.10.1.4 Minimum Toilets, Urinals, and Other Fixtures
 - 4.10.2 Location
 - 4.10.2.1^A Distance
 - 4.10.2.2^A Children Less than Five Years of Age
 - 4.10.4^A Plumbing Fixture Requirements
 - 4.10.4.1 General
 - » 4.10.4.1.1^A Protected
 - » 4.10.4.1.2 Easily Cleaned
 - » 4.10.4.1.3^A Toilet Counts
 - » 4.10.4.1.4 Hand Wash Sink
 - 4.10.4.6 Non-Plumbing Fixture Requirements

- » 4.10.4.6.1 Easy to Clean
- » 4.10.4.6.5 Soap Dispensers
- » 4.10.4.6.6^A Dryers / Paper Towels
- » 4.10.4.6.7 Toilet Paper Dispensers
- » 4.10.4.6.8 Female Facilities
- » 4.10.4.6.9 Trash Can

☐ 5.0^A Facility Operations and Maintenance

- 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
 - » 5.10.4.1.3 Hand Wash Station
 - 5.10.4.6^A Non-Plumbing Fixture Requirements
 - » 5.10.4.6.1 Paper Towels
 - » 5.10.4.6.2 Soap
 - » 5.10.4.6.3 Trash


🔗 Inspection Report Item #38: Rinse showers: good repair, accessible

☐ 4.0^A Aquatic Facility Design Standards and Construction

- 4.10 Hygiene Facilities
 - 4.10.4^A Plumbing Fixture Requirements
 - 4.10.4.3^A Rinse Showers
 - » 4.10.4.3.1 Minimum and Location
 - » 4.10.4.3.2 Temperature
 - » 4.10.4.3.3^A Floor Sloped
 - » 4.10.4.3.4^A Large Aquatic Facilities
 - » 4.10.4.3.5^A Beach Entry
 - » 4.10.4.3.6^A Lazy River
 - » 4.10.4.3.7^A Waterslide
 - 4.10.4.4^A All Showers

☐ 5.0^A Facility Operations and Maintenance

- 5.10 Hygiene Facilities
 - 5.10.4 Plumbing Fixture Requirements
 - 5.10.4.3^A Rinse Showers
 - » 5.10.4.3.1 Cleaned
 - » 5.10.4.3.2 Easy Access
 - » 5.10.4.3.3 Not Blocked
 - » 5.10.4.3.4 No Soap

 **Inspection Report Item #39: Cleansing showers: Warm, non-scalding water available; good repair; soap**

4.0^A Aquatic Facility Design Standards and Construction

- 4.10 Hygiene Facilities
 - 4.10.4^A Plumbing Fixture Requirements
 - 4.10.4.2^A Cleansing Showers
 - » 4.10.4.2.1^A Count
 - ◆ 4.10.4.2.1.1 Additional Cleansing Showers
 - » 4.10.4.2.2 Distributed
 - » 4.10.4.2.3^A Location
 - » 4.10.4.2.4^A Enclosed
 - » 4.10.4.2.5 Soap Dispenser
 - 4.10.4.4^A All Showers
 - 4.10.4.6 Non-Plumbing Fixture Requirements
 - » 4.10.4.6.5 Soap Dispensers

5.0^A Facility Operations and Maintenance

- 5.10 Hygiene Facilities
 - 5.10.4 Plumbing Fixture Requirements
 - 5.10.4.2 Cleansing Showers
 - » 5.10.4.2.1 Cleaned and Sanitized
 - 5.10.4.6^A Non-Plumbing Fixture Requirements
 - » 5.10.4.6.2 Soap

Records Room

 **Inspection Report Item #40: Operator training certification available onsite**

6.0^A Policies and Management

- 6.1.1^A Qualified Operator Qualifications and Certification
 - 6.1.1.1 Qualifications
 - 6.1.1.2 Training Documentation
 - 6.1.1.2.1 Certificate Available
 - 6.4.1 Operations
 - 6.4.1.7 Staff Certifications on File

 **Inspection Report Item #41: Lifeguard training certification available onsite**

6.0^A Policies and Management

- 6.2^A Lifeguard Training
 - 6.2.1^A Lifeguard Qualifications
 - 6.2.1.3 Competency and Certification
 - 6.2.1.3.4^A Certifications
 - 6.2.1.3.6^A Documentation
- 6.3 Facility Staffing

- 6.3.3^A Safety Plan
 - 6.3.3.3 Pre-Service Requirements
 - » 6.3.3.3.6^A Documentation of Pre-Service Training
 - ◆ 6.3.3.3.6.1 Lifeguard Certificate
- 6.4^A Aquatic Facility Management
 - 6.4.1 Operations
 - 6.4.1.7 Staff Certifications on File

↪ **Inspection Report Item #42: Inspection report conspicuously posted at each entrance**

- 6.0^A Policies and Management**
 - 6.4.2 Patron-Related Management Aspects
 - 6.4.2.3 Swimmer Empowerment Methods
 - 6.4.2.3.2^A Post Inspection Results

↪ **Inspection Report Item #43: Operator inspection daily items: checklist used daily**

- 6.0^A Policies and Management**
 - 6.4.1 Operations
 - 6.4.1.3 Safety and Maintenance Inspection and Recordkeeping
 - 6.4.1.3.1 Daily Inspection Items
 - 6.4.1.6^A Daily Water Monitoring and Testing Records

↪ **Inspection Report Item #44: Operator inspection items: evidence of appropriate steps promptly taken**

- 6.0^A Policies and Management**
 - 6.4.1.2 Operation Records
 - 6.4.1.3 Safety and Maintenance Inspection and Recordkeeping

↪ **Inspection Report Item #45: Chemical records: filled out daily**

- 6.0^A Policies and Management**
 - 6.4.1 Operations
 - 6.4.1.5 Chemical Inventory Log

↪ **Inspection Report Item #46: Chemical records: evidence of appropriate steps promptly taken**

- 6.0^A Policies and Management**
 - 6.4.1 Operations
 - 6.4.1.5 Chemical Inventory Log

↪ **Inspection Report Item #47: Emergency Action Plan available on site**

- 6.0^A Policies and Management**
 - 6.3.3^A Safety Plan
 - 6.3.3.2^A Emergency Action Plan
 - 6.3.3.2.1^A Coordination of Response

- 6.3.3.3 Pre-Service Requirements
 - 6.3.3.3.1^A Safety Team EAP Training
 - 6.3.3.3.2^A Safety Team Skills Proficiency
 - 6.3.3.3.3^A Qualified Lifeguard Emergency Action Plan Training
 - 6.3.3.3.4^A Qualified Lifeguard Skills Proficiency

General

Inspection Report Item #48: Floatation Tanks: Ozone or UV system in proper working order

4.0^A Aquatic Facility Design Standards and Construction

- 4.12.10 Floatation Tanks
 - 4.12.10.8^A Disinfection
 - 4.12.10.8.1 Disinfection Types
 - 4.12.10.8.2 Ozone and UV Disinfection Systems
 - 4.12.10.8.3 Ozone Disinfection
 - » 4.12.10.8.3.1 Ozone Levels
 - 4.12.10.8.4 UV Disinfection

5.0^A Facility Operations and Maintenance

- 5.12.10 Floatation Tanks
 - 5.12.10.9 Disinfection
 - 5.12.10.9.1 3-log Inactivation
 - 5.12.10.9.2 Operation
 - 5.12.10.9.3 Ozone Concentration
 - 5.12.10.9.4 UV calibrated sensors

Inspection Report Item #49: Floatation Tanks: Ozone or UV system meets volumetric turnover requirements

4.0^A Aquatic Facility Design Standards and Construction

- 4.12.10^A Floatation Tanks
 - 4.12.10.7 Circulation System
 - 4.12.10.7.1 Hydraulically Balanced
 - 4.12.10.7.2 Filter Sizing
 - 4.12.10.7.3 Pump Sizing
 - 4.12.10.7.4 Submerged Suction Fittings or Suction Outlets

5.0^A Facility Operations and Maintenance

- 5.12.10^A Floatation Tanks
 - 5.12.10.6 Plumbing
 - 5.12.10.6.1 Water Supply
 - » 5.12.10.6.1.1 Water Pressure
 - » 5.12.10.6.1.2 Cross-Connection Control
 - 5.12.10.6.2 Waste Water
 - » 5.12.10.6.2.1 Waste Water Disposal

- » 5.12.10.6.2.2 Drainage
- » 5.12.10.6.2.3 Drain Line
- 5.12.10.8^A Treatment System Required Operation Time
 - 5.12.10.8.1 Turnover at Opening and Closing
 - » 5.12.10.8.1.1 Turnovers Between Users
 - 5.12.10.8.2 Treatment
 - 5.12.10.8.3 Controller
 - » 5.12.10.8.3.1 Turnovers

↪ Inspection Report Item #50: Floatation Tank: Interior surfaces cleaned to prevent build-up of slime and biofilm layers

□ 5.0^A Facility Operations and Maintenance

- 5.12.10^A Floatation Tanks
 - 5.12.10.12^A Cleaning
 - 5.12.10.12.1 Daily Cleaning
 - 5.12.10.12.2 Weekly Cleaning
 - 5.12.10.12.3 Draining
 - 5.12.10.14 Operations
 - 5.12.10.14.3 Safety and Maintenance Inspection and Recordkeeping
 - » 5.12.10.14.3.1 Daily Inspection Items

↪ Inspection Report Item #51: Substantial unauthorized alterations/equipment replacement

□ 4.0^A Aquatic Facility Design Standards and Construction

- 4.1.1 Plan Submittal
 - 4.1.1.2 Conform
 - 4.1.1.3 Approved Plans
 - 4.1.1.4 Plan Preparation
 - 4.1.1.5 Required Statements
- 4.1.3^A Plan Approval
 - 4.1.3.1 New Construction
 - 4.1.3.1.1 Approval Limitations
 - 4.1.3.1.5 Plans Maintained
 - 4.1.3.2 Non-Substantial Alterations
 - 4.1.3.2.1 Alteration Review
 - 4.1.3.2.2 Alteration Scope
 - 4.1.3.3^A Replacements
 - 4.1.3.3.1 Replacement Approval
 - 4.1.3.3.2 Replacement Equipment Equivalency
 - 4.1.3.3.4 Replacement Record Maintenance
- 4.1.4^A Compliance Certificate
 - 4.1.4.1 Construction Compliance Certificate
 - 4.1.4.5 Maintenance

» **Approved water supply source**

4.0^A Aquatic Facility Design Standards and Construction

- 4.11.1 Water Supply
 - 4.11.1.1 Public Water System
 - 4.11.1.1.1^A Other Sources
 - 4.11.1.1.2^A Condensate / Reclaimed Water
 - 4.11.1.2^A Sufficient Capacity
 - 4.11.1.2.1 Refill Pool

5.0^A Facility Operations and Maintenance

- 5.6.7 Plumbing
 - 5.6.7.1^A Water Supply
 - 5.6.7.1.2 Availability
- 5.7.4 Water Sample Collection and Testing
 - 5.7.4.5^A Source (Fill) Water

6.0^A Policies and Management

- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #6 Use of an unapproved or contaminated water supply source for potable water use

» **Plumbing cross-connections**

4.0^A Aquatic Facility Design Standards and Construction

- 4.8.1 Decks
 - 4.8.1.3 Drains
 - 4.8.1.3.3^A Cross Connection Control
- 4.11.3^A Cross-Connection Control
 - 4.11.3.1 Protected

5.0^A Facility Operations and Maintenance

- 5.6.7 Plumbing
 - 5.6.7.1^A Water Supply
 - 5.6.7.1.3 Cross-Connection Control
- 5.8.1^A Spectator Areas
 - 5.8.1.1 Cross-Connection Control
 - 5.8.1.1.1 Deck Drains

6.0^A Policies and Management

- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #13 Plumbing Cross-connections between drinking water supply and aquatic venue water or between sewage system and the aquatic venue including filter backwash facilities

» **Inadequate pH level**

❑ **5.0^A Facility Operations and Maintenance**

- 5.7.3 Water Treatment Chemicals and Systems
 - 5.7.3.4^A pH
 - 5.7.3.4.1 pH levels
 - 5.7.3.4.2 Approved Substances
 - 5.7.3.6 Testing for Water Circulation and Quality
 - 5.7.3.6.1 Water Quality Testing Devices Available
 - 5.7.5^A Water Quality Chemical Testing Frequency
 - 5.7.5.1^A Chemical Levels

❑ **6.0^A Policies and Management**

- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #3 pH level below 6.5
 - #4 pH level above 8.0
 - 6.6.3.1.1 Low pH Violations
 - 6.6.3.1.2 High pH Violations

» **Underwater lighting**

❑ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.6.1 Lighting
 - 4.6.1.5^A Underwater Lighting
 - 4.6.1.5.1^A Minimum Requirements
 - » 4.6.1.5.1.1 Location
 - » 4.6.1.5.1.2 Higher Light Levels
 - 4.6.1.5.2 Dimmable Lighting
 - 4.6.1.6^A Night Swimming with No Underwater Lighting
 - 4.6.1.6.1 Minimum Requirements

❑ **5.0^A Facility Operations and Maintenance**

- 5.6.1 Lighting
 - 5.6.1.1 Lighting Maintained
 - 5.6.1.1.3^A Underwater Lighting
 - 5.6.1.3 Night Swimming

❑ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items
 - #10 Underwater lights and other lighting are intact

» **Emergency light source**

❑ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.6.1 Lighting
 - 4.6.1.7^A Emergency Lighting

- 4.6.1.7.1 Emergency Egress Lighting
- 4.6.1.7.2 Footcandles

☐ **5.0^A Facility Operations and Maintenance**

- 5.6.1 Lighting
 - 5.6.1.4 Emergency Lighting

☐ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items
 - #10 Underwater lights and other lighting are intact
- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #9 Failure to maintain an emergency lighting source

» **Glass objects**

☐ **5.0^A Facility Operations and Maintenance**

- 5.6.9 Decks
 - 5.6.9.2^A Glass
 - 5.6.9.2.1 Containers
 - 5.6.9.2.2 Furniture

☐ **6.0^A Policies and Management**

- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #18 Broken glass or sharp objects in aquatic venue or on deck area

» **Chemicals**

☐ **6.0^A Policies and Management**

- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #15 Use of unapproved chemicals or the application of chemicals by unapproved methods to the Aquatic Venue water

» **Overcrowding**

☐ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.1.2 Content of Design Report
 - 4.1.2.3 Technical Specifications
 - 4.1.2.3.5^A Theoretical Peak Occupancy
 - » 4.1.2.3.5.3^A Calculating Theoretical Peak Occupancy

☐ **6.0^A Policies and Management**

- 6.4.2 Patron-Related Management Aspects
 - 6.4.2.1 Bather Count
 - 6.4.2.1.1^A User Guidelines
 - 6.4.2.1.2 Maximum Occupancy
 - 6.4.2.2^A Signage
 - 6.4.2.2.3^A Sign Messages
 - » #3 Theoretical peak occupancy

- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #17 Number of bather/patrons exceeds the theoretical peak occupancy

» **Floataction Tanks: Ventilation**

☐ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.12.10^A Floataction Tanks
 - 4.12.10.9A Ventilation
 - 4.12.10.9.1 Room Air Handling System
 - 4.12.10.9.2 Tank Air Quality

☐ **5.0^A Facility Operations and Maintenance**

- 5.12.10^A Floataction Tanks
 - 5.12.10.4 Ventilation
 - 5.12.10.4.1 Purpose
 - 5.12.10.4.2 Original Characteristics

» **Floataction Tanks: Electrical Systems**

☐ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.12.10^A Floataction Tanks
 - 4.12.10.4^A Floataction Tank Electrical Systems and Components
 - 4.12.10.4.1 General Guidelines
 - » 4.12.10.4.1.1 NEC Requirements
 - ◆ 4.12.10.4.1.1.1 Providing Relief
 - » 4.12.10.4.1.2 Indoor Aquatic Facilities

☐ **5.0^A Facility Operations and Maintenance**

- 5.12.10^A Floataction Tanks
 - 5.12.10.5 Electrical Systems and Components
 - 5.12.10.5.1 Electrical Repairs
 - » 5.12.10.5.1.1 Local Codes
 - » 5.12.10.5.1.2 Immediately Repaired
 - » 5.12.10.5.1.3 Wiring
 - 5.12.10.5.2 Electrical Receptacles
 - » 5.12.10.5.2.1 New Receptacles
 - » 5.12.10.5.2.2 Repairs
 - » 5.12.10.5.2.3 Replacement
 - » 5.12.10.5.2.4 Substitutions
 - 5.12.10.5.3 Ground Fault Circuit Interrupter
 - » 5.12.10.5.3.1 Manufacturer's Recommendations
 - » 5.12.10.5.3.2 Testing
 - 5.12.10.5.4 Grounding
 - » 5.12.10.5.4.1 Maintenance and Repair
 - » 5.12.10.5.4.2 Grounding Conductors

- » 5.12.10.5.4.3 Damaged Conductors
- » 5.12.10.5.4.4 Damaged Conductor Repair
- » 5.12.10.5.4.5 Public Access
- » 5.12.10.5.4.6 Venue Closure
- 5.12.10.5.5 Bonding
 - » 5.12.10.5.5.1 Local Codes
 - » 5.12.10.5.5.2 Bonding Conductors
 - » 5.12.10.5.5.3 Disconnected Conductors
 - » 5.12.10.5.5.4 Removable Covers
 - » 5.12.10.5.5.5 Scheduled Maintenance
 - » 5.12.10.5.5.6 Corrosion
 - » 5.12.10.5.5.7 Continuity
- 5.12.10.5.6 Extension Cords
 - » 5.12.10.5.6.1 Temporary Cords and Connectors
 - » 5.12.10.5.6.2 Minimum Distance from Water
 - » 5.12.10.5.6.3 Exception
 - » 5.12.10.5.6.4 GCFI Protection
 - » 5.12.10.5.6.5 Local Code
 - » 5.12.10.5.6.6 Compliance
- 5.12.10.5.7 Portable Electric Devices
- 5.12.10.5.8 Communication Devices and Dispatch Systems
- 5.12.10.14 Operations
 - 5.12.10.14.3 Safety and Maintenance Inspection and Recordkeeping
 - » 5.12.10.14.3.1 Daily Inspection Items
 - » 5.12.10.14.3.2 Other Inspection Items

» **Total alkalinity between 60 and 180 ppm (mg/L)**

□ **5.0^A Facility Operations and Maintenance**

- 5.7.4 Water Sample Collection and Testing
 - 5.7.4.4^A Aquatic Venue Water Chemical Balance
 - 5.7.4.4.1^A Total Alkalinity Levels
- 5.7.5^A Water Quality Chemical Testing Frequency
 - 5.7.5.5 Total Alkalinity

» **Calcium hardness ≤ 1000 ppm**

□ **5.0^A Facility Operations and Maintenance**

- 5.7.4 Water Sample Collection and Testing
 - 5.7.4.4^A Aquatic Venue Water Chemical Balance
 - 5.7.4.4.3^A Calcium Hardness
- 5.7.5^A Water Quality Chemical Testing Frequency
 - 5.7.5.6 Calcium Hardness

» **Free Chlorine**

□ **5.0^A Facility Operations and Maintenance**

- 5.7.3 Water Treatment Chemicals and Systems
 - 5.7.3.1 Primary Disinfectants
 - 5.7.3.1.1^A Chlorine (Hypochlorites)
 - » 5.7.3.1.1.2^A Minimum FAC Concentrations
 - ◆ 5.7.3.1.1.2.1 Not Using Cyanuric Acid
 - ◆ 5.7.3.1.1.2.2 Using Cyanuric Acid
 - ◆ 5.7.3.1.1.2.3 Spas
 - » 5.7.3.1.1.5^A Maximum FAC Concentrations
 - 5.7.3.1.4^A Compressed Chlorine Gas
 - 5.7.3.6 Testing for Water Circulation and Quality
 - 5.7.3.6.1 Water Quality Testing Devices Available
- 5.7.5^A Water Quality Chemical Testing Frequency
 - 5.7.5.1^A Chemical Levels
 - 5.7.5.2 Manual Disinfectant Feed System
 - 5.7.5.3 Automatic Disinfectant Feed System

□ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items
 - #8 Recirculation, disinfection systems, controllers, and probes operating as required
 - #9 Secondary disinfection and/or supplemental treatment systems are operating as required
- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #2 Failure to provide minimum disinfectant residual levels
 - #5 Failure to continuously operate the aquatic venue filtration and disinfection equipment

» **Free Bromine**

□ **5.0^A Facility Operations and Maintenance**

- 5.7.3 Water Treatment Chemicals and Systems
 - 5.7.3.1 Primary Disinfectants
 - 5.7.3.1.2 Bromine
 - » 5.7.3.1.2.2^A Minimum Bromine Concentrations
 - » 5.7.3.1.2.3^A Maximum Bromine Concentrations
 - 5.7.3.6 Testing for Water Circulation and Quality
 - 5.7.3.6.1 Water Quality Testing Devices Available
- 5.7.5^A Water Quality Chemical Testing Frequency
 - 5.7.5.1^A Chemical Levels
 - 5.7.5.2 Manual Disinfectant Feed System
 - 5.7.5.3 Automatic Disinfectant Feed System

□ **6.0^A Policies and Management**

- 6.4.1.3.1 Daily Inspection Items

- #8 Recirculation, disinfection systems, controllers, and probes operating as required
- #9 Secondary disinfection and/or supplemental treatment systems are operating as required
- **6.6.3.1^A Violations Requiring Immediate Correction or Closure**
 - #2 Failure to provide minimum disinfectant residual levels
 - #5 Failure to continuously operate the aquatic venue filtration and disinfection equipment

» **Water Temperature**

□ **4.0^A Aquatic Facility Design Standards and Construction**

- 4.10.4^A Plumbing Fixture Requirements
 - 4.10.4.3^A Rinse Showers
 - 4.10.4.3.2 Temperature
- 4.6.4^A Pool Water Heating
 - 4.6.4.1^A High Temperature
- 4.12.1 Spas
 - 4.12.1.7^A Temperature

□ **5.0^A Facility Operations and Maintenance**

- 5.7.4 Water Sample Collection and Testing
 - 5.7.4.7^A Water Temperature
 - 5.7.4.7.2^A Maximum Temperature