

Industry Training for 2018 Aquatic Health Regulations

Chapter 4 – Policies and
Management





Contact Information

Aquatic Health Program Office
City of Las Vegas Development Services Center
333 N Rancho, Ste 450
Las Vegas NV 89106
702-759-0571
aquatic@snhd.org

Training Materials

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New Regulations- General Information

The Nevada Administrative Code Sections 444.010 - 444.546 is being replaced with a 117-page document which is based on the CDC's Model Aquatic Health Code (MAHC). The contents of the MAHC were modified in some places to accommodate the unique needs of aquatic health venues in Clark County.

New Regulations – Implementation and Orientation



The complete set of Aquatic Health Regulations can be found on the SNHD website at www.southernnevadahealthdistrict.org.

Implementation for **new** facilities under construction and orientation for **existing** facilities will begin in August, 2018.

After the one-year orientation period, enforcement of new regulations will begin July 1, 2019.

New Regulations -History

The Nevada Administrative Code Sections 444.010 - 444.546 served as SNHD's governing document to regulate the operation of public bathing places. Due to changes to industry and safety standards, SNHD developed and proposed regulations based on the CDC's Model Aquatic Health Code.

Following more than 3 years of collaboration with industry groups including HOAs, resort representatives, pool companies and other interested parties, the 2018 Aquatic Facility Regulations were approved by the Board of Health in April 2018 and approved by the Nevada State Board of Health on June 8, 2018.

New Regulations - Overview

Chapter 1: Glossary, Acronyms and Initialisms, Definitions

Chapter 2: Facility Design and Construction

Chapter 3: Facility Operation and Maintenance

Chapter 4: Policies and Management

Chapter 5: Compliance and Enforcement

Appendix A: Residential Facility Self-Management Program

This presentation only covers Chapter 4 revisions.

Scope of Training Materials

- This presentation covers major changes from the NAC. Regulations that have not changed may not be mentioned, but are still required. Not all revised language is included. The complete set of regulations can be found here: www.southernnevadahealthdistrict.org
- Your management has the right to be more strict than the regulations. If the information in this presentation contradicts your operational practices, please see your management for guidance.

Scope of Training Materials

- Words in CAPITAL LETTERS in the regulations (and items copied from the regulations) have definitions specified in [Chapter 1](#).
- Where possible, links to sections in other chapters are provided.
- Meanings of acronyms used in this presentation are provided on the next slide.

Acronyms use in this presentation

AED	Automated External Defibrillator	NSF	National Sanitation Foundation
ANSI	American National Standards Institute	ORP	Oxidation Reduction Potential
ASTM	American Society for Testing and Materials	PPE	Personal Protective Equipment
CDC	Centers for Disease Control	PPM	Parts per Million
CFU	Colony-Forming Units	PVC	Polyvinyl Chloride
CPR	Cardiopulmonary Resuscitation	STV	Single Test Value
CYA	Cyanuric Acid	TA	Total Alkalinity
EAP	Emergency Action Plan	UV	Ultraviolet
EMS	Emergency Management System	UVT	Ultraviolet Transmissivity
EPA	Environmental Protection Agency	WQTD	Water Quality Testing Device
FAC	Free Available Chlorine		
MAHC	Model Aquatic Health Code		
ml	Milliliter		

4-1 Qualified Operator Requirement

4-1 Qualified Operator Requirement

The provisions of this Section shall apply to all AQUATIC FACILITIES covered by these Regulations regardless of when constructed, unless otherwise noted.

Employees assigned to roles which have the potential for an occupational exposure to bloodborne pathogens, pathogens that cause RWIs, or other pathogens shall be trained to recognize and respond to body fluid (blood, feces, vomit) releases in and around the AQUATIC VENUE area.

4-1 Qualified Operator Requirement

4-101 Qualified Operator Qualification, Certification, and Registration

4-101.1 Operator Qualifications

- A. A QUALIFIED OPERATOR of an AQUATIC FACILITY shall have completed a training course that is recognized by the HEALTH AUTHORITY and maintain current certification as required by the HEALTH AUTHORITY.
- B. A QUALIFIED OPERATOR shall have a current certificate or written documentation acceptable to the HEALTH AUTHORITY showing completion of a training course.
 - (1) Originals or copies of such certificate or documentation shall be available on site for inspection by the HEALTH AUTHORITY for each QUALIFIED OPERATOR employed at or contracted by the site, as specified in these Regulations.
 - (2) Originals shall be made available upon request by the HEALTH AUTHORITY.

4-1 Qualified Operator Requirement

4-101.2 Operator Registration

- A. A QUALIFIED OPERATOR shall register with the HEALTH AUTHORITY once a certification is obtained and prior to beginning work at any AQUATIC FACILITY or with any POOL COMPANY.
- B. All QUALIFIED OPERATORS currently registered with the HEALTH AUTHORITY shall obtain proof of national certification from a recognized testing entity at the time of their registration renewal within three years from the adoption of these Regulations. Registrations will expire in conjunction with the national certification date and must be renewed prior to expiration.
- C. Individuals not properly certified or registered may not perform service at a permitted AQUATIC FACILITY. All services provided must be in accordance with these Regulations.
- D. The QUALIFIED OPERATOR is responsible for maintaining the AQUATIC VENUE in accordance with these Regulations. If a defect or deficiency is discovered at an AQUATIC VENUE that presents a risk to PATRONS, it is the QUALIFIED OPERATOR's responsibility to close the AQUATIC VENUE until the required repairs have been made.

4-1 Qualified Operator Requirement

4-101.3 Registration of Pool Companies

- A. All pool companies who provide service to permitted AQUATIC VENUES must be registered with the HEALTH AUTHORITY and provide a current list of all registered person in their employ within 30 days of any changes in personnel. Registrations will expire two years after the date of issuance and must be renewed prior to expiration.

- B. The AQUATIC FACILITY shall promptly post in a conspicuous location within each ENCLOSURE at an AQUATIC FACILITY where services are provided by a POOL COMPANY, a legible sign which identifies the company name, phone number, and the company certificate number issued by the HEALTH AUTHORITY.

4-1 Qualified Operator Requirement

4-101.3 Registration of Pool Companies

- C. The AQUATIC FACILITY shall promptly remove the POOL COMPANY sign when the POOL COMPANY is no longer providing services.
- D. The AQUATIC FACILITY shall ensure each POOL COMPANY has current proof of certification while providing POOL services. Proof of certification shall consist of an unaltered and unexpired photo identification card issued by the HEALTH AUTHORITY which has the:
 - (1) Person's name,
 - (2) Type of certification,
 - (3) Certificate number, and
 - (4) Expiration date.

4-1 Qualified Operator Requirement

4-101.4 Required Servicing Equipment

The following list of equipment must be available for use by each QUALIFIED OPERATOR when providing service to a permitted AQUATIC VENUE:

A. Water Quality Testing Devices (WQTDs) which can reliably measure:

- (1) Disinfectant residual,
- (2) PH,
- (3) Total alkalinity,
- (4) Acid demand, and
- (5) Cyanuric acid concentration;

B. A brush suitable for cleaning the bottom of the POOL;

C. A thermometer;

Cont'd...

4-1 Qualified Operator Requirement

4-101.4 Required Servicing Equipment

- D. A vacuum cleaner, complete with attachments;
- E. A leaf SKIMMER;
- F. Hand tools and lubricants necessary for servicing mechanical equipment incident to swimming POOLS and their appurtenances;
- G. Materials and chemicals necessary for disinfecting POOL water and adjusting total alkalinity and PH; and
- H. Any other equipment deemed necessary by the HEALTH AUTHORITY.

4-1 Qualified Operator Requirement

4-101.5 Contractors

A licensed contractor may perform work at an AQUATIC FACILITY within the scope of the licensed contractor's qualifications.

4-101.6 Qualified Operator Training Courses must be in accordance with the criteria outlined in the most current MAHC published by the CDC.

4-2 Lifeguard Training

4-201 Lifeguard and Attendant Qualifications

4-201.1 A LIFEGUARD shall:

- A. Have successfully completed a recognized LIFEGUARD training course offered by a recognized training agency;
- B. Possess a current certificate for such training;
- C. Have met all pre-service requirements; and
- D. Participate in continuing in-service training requirements of the AQUATIC FACILITY.

4-201.2 Lifeguard Training Courses must be in accordance with the criteria outlined in the most current MAHC published by the CDC.

4-2 Lifeguard Training

4-201 Lifeguard and Attendant Qualifications

4-201.3 An ATTENDANT shall:

- A. Possess a current certification for CPR and First Aid; and
- B. Be trained by the employer to identify and correct safety hazards specific to the assigned attraction.

4-2 Lifeguard Training

4-202 Lifeguard Supervisor Training

4-202.1 LIFEGUARD SUPERVISOR Candidate Prerequisites

LIFEGUARD SUPERVISOR candidate prerequisites shall include but not be limited to:

- A. Current LIFEGUARD certification;
- B. Having a current LIFEGUARD SUPERVISOR Certification; and
- C. Ability to effectively communicate verbally in English.

4-3 Facility Staffing

4-301 Qualified Operator Requirements and Availability

4-301.1 All AQUATIC VENUES must have a QUALIFIED OPERATOR contracted or employed to monitor and maintain the AQUATIC VENUE whenever the facility is operating.

4-301.2 The AQUATIC FACILITY'S QUALIFIED OPERATOR must be available to respond to an emergency or IMMANENT HEALTH HAZARD within two hours.

4-3 Facility Staffing

4-301 Qualified Operator Requirements and Availability

4-301.3 QUALIFIED OPERATORS SHALL MONITOR THE POOL WEEKLY during the off season, a minimum of three (3) times per week during the peak season, or more as necessary to maintain compliance with these Regulations.

- A. Weekly visits shall be documented and be available at the AQUATIC FACILITY for review by the HEALTH AUTHORITY.
- B. The written documentation shall indicate the checking, MONITORING, and testing required in these Regulations.
- C. The written documentation shall indicate what corrective actions, if any, were taken by the contracted off-site QUALIFIED OPERATOR during the scheduled visits or assistance requests.

Cont'd...

4-3 Facility Staffing

4-301 Qualified Operator Requirements and Availability

- D. All AQUATIC FACILITIES with on-site staff and without a full time on-site QUALIFIED OPERATOR shall have a designated on-site RESPONSIBLE PERSON.
- E. The RESPONSIBLE PERSON shall:
 - (1) Determine when the AQUATIC FACILITY or individual AQUATIC VENUE should be closed, and quickly execute proper closing procedures;
 - (2) Not make adjustments or perform any maintenance at the AQUATIC VENUE; and
 - (3) Contact the contracted off-site QUALIFIED OPERATOR immediately following AQUATIC VENUE closure.

4-3 Facility Staffing

4-302 Aquatic Facilities Requiring Lifeguards

4-302.1 All AQUATIC VENUES with standing water and any of the following conditions listed in this Section shall be required to have a LIFEGUARD(s) conducting BATHER surveillance at all times the AQUATIC VENUE is open.

- A. A LIFEGUARD shall be required for any of the following conditions:
- (1) Any POOL that allows unsupervised children under the age of 14 years;
 - (2) Any POOL while it is being used for the recreation of youth groups, including but not limited to childcare usage or school groups;
 - (3) Any POOL while it is being used for group training including but not limited to competitive swimming and/or sports, LIFEGUARD training, exercise programs, and swimming lessons;

Cont'd...

4-3 Facility Staffing

4-302 Aquatic Facilities Requiring Lifeguards

4-302.1 (cont'd)

- (4) Any POOL with a surface area of at least 2000 square feet,
 - (a) AQUATIC VENUES jointly owned by all residents in a development or a homeowner's association do not require a LIFEGUARD(S), but must have a written procedure for supervision of BATHERS approved by the HEALTH AUTHORITY prior to being issued a permit to operate,
 - (b) A LIFEGUARD must be provided if the number of patrons exceeds 80 percent of the THEORETICAL PEAK OCCUPANCY;
- (5) Any POOL ENCLOSURE with a cumulative unsupervised POOL surface area of 4000 square feet or more;
- (6) Any POOL with an induced current or wave action including but not limited to WAVE POOLS and LAZY RIVERS;
- (7) WATERSLIDE LANDING POOLS;

Cont'd

4-3 Facility Staffing

4-302 Aquatic Facilities Requiring Lifeguards

4-302.1 (cont'd)

- (8) Any POOL in which BATHERS enter the water from any height above the DECK including but not limited to diving boards, DROP SLIDES, starting platforms, and/or climbing walls;
- (9) Any POOL that charges an admission fee including a fee charged for the use of poolside amenities that includes the use of the POOL; or
- (10) Any POOL not associated with multiple living or lodging units.

4-3 Facility Staffing

4-303 Safety Plan

4-303.1 All AQUATIC FACILITIES shall create and implement a SAFETY PLAN to include, but not be limited to the following elements:

- A. Staffing Plan,
- B. EMERGENCY ACTION PLAN (EAP),
- C. Biohazard action plan,
- D. Pre-Service Training Plan, and
- E. In-service Training Plan.

4-3 Facility Staffing

4-303 Safety Plan

4-303.2 When LIFEGUARDS are required, a Lifeguard Staffing Plan shall be submitted to the HEALTH AUTHORITY for approval prior to opening. The plan shall include diagrammed zones of BATHER surveillance for each AQUATIC VENUE such that:

- A. At least one LIFEGUARD shall be required for every 2000 square feet or major fraction thereof, unless an independent lifeguard auditing entity provides documentation supporting a reduced number of LIFEGUARDS;
- B. The LIFEGUARD is capable of viewing the entire area of the assigned zone of BATHER surveillance;
- C. The LIFEGUARD is able to reach the furthest extent of the assigned zone of BATHER surveillance within 20 seconds;

Cont'd...

4-3 Facility Staffing

4-303 Safety Plan

4-303.2 cont'd

- D. Identify whether the LIFEGUARD is in an elevated stand, walking, in-water and/or other APPROVED position;
- E. Additional responsibilities for each zone as identified; and
- F. All areas of each AQUATIC VENUE are assigned a zone of BATHER surveillance.
- G. Any modifications to the APPROVED LIFEGUARD plan must be submitted and APPROVED by the HEALTH AUTHORITY prior to implementation.

4-3 Facility Staffing

4-303 Safety Plan

4-303.3 The Lifeguard Staffing Plan shall include the following:

- A. Identification of all zones of BATHER surveillance at the AQUATIC FACILITY;
- B. Description of methods used for maintaining coverage of the zone of BATHER surveillance during LIFEGUARD rotation; and
- C. Staffing rotation schedule which provides an alternation of tasks such that no LIFEGUARD conducts BATHER surveillance activities for more than 60 continuous minutes. Alternation of tasks includes a period of non-PATRON surveillance activity such as taking a break, conducting maintenance, station rotation or conducting ride dispatch.

4-3 Facility Staffing

4-303 Safety Plan

4-303.4 The Lifeguard Staffing Plan shall include LIFEGUARD supervision protocols to achieve the requirements of [Section 4-304.3](#).

4-303.5 LIFEGUARDS shall be trained on and receive a copy of the EAP that is posted and always available at the AQUATIC FACILITY, as well as the following policies and procedures:

- A. Zone of BATHER Surveillance Plan,
- B. Rotation Plan,
- C. Minimum Staffing Plan, and
- D. Rescue/First Aid Response plan.

4-3 Facility Staffing

4-303 Safety Plan

4-303.6 The RESPONSIBLE PERSON(s) with CPR/AED and first aid training shall present unexpired certificate(s) maintained on site and available for review at the time of inspection.

4-303.7 Any modifications to the APPROVED Lifeguard Staffing Plan must be submitted and APPROVED by the HEALTH AUTHORITY prior to implementation.

4-3 Facility Staffing

4-304 Staff Management

4-304.1 Prior to use of any AQUATIC VENUE, the AQUATIC FACILITY shall provide staff required per the provisions of the SAFETY PLAN as stated in [Section 4-303.1](#).

4-304.2 RESPONSIBLE PERSON duties shall include but not be limited to:

- A. Enforcing the AQUATIC FACILITY rules and regulations by interfacing with PATRONS;
- B. Respond to reported emergencies;
- C. Identify health and safety hazards and take action to mitigate or avoid the hazard;
- D. Know where the PPE is located and use it when required; and
- E. Interface with the HEALTH AUTHORITY related to the requirements of these Regulations.

4-3 Facility Staffing

4-304.3 Lifeguard Staff

4-304.3 Lifeguard Staff

A. Where LIFEGUARDS are used, the AQUATIC FACILITY shall provide, prior to opening the AQUATIC FACILITY to the public, the minimum number of LIFEGUARDS and staff required per the provisions of the SAFETY PLAN such that:

- (1) All zones of BATHER surveillance are staffed during operation;
- (2) Zones of BATHER surveillance for individual AQUATIC VENUES not open for use, must also be staffed unless an effective means is provided to restrict and monitor access to the AQUATIC VENUE;
- (3) Rotations can be conducted while all zones are staffed;
- (4) LIFEGUARD SUPERVISOR is present; and
- (5) Additional PERSON(s) to rapidly respond to an emergency to help the initial rescuer are present.

Cont'd...

4-3 Facility Staffing

4-304.3 Lifeguard Staff

4-304.3 Lifeguard Staff

B. LIFE GUARD responsibilities shall include but not be limited to:

- (1) Monitor BATHERS within the zone of BATHER surveillance responsibility;
- (2) Enforce facility rules;
- (3) Respond to emergencies including water rescue, CPR, AED use, and First Aid;
- (4) Identify health and safety hazards and take action to mitigate or avoid the hazard;
- (5) Maintain skills at a test-ready proficiency level;
- (6) Wear the identifying uniform;
- (7) If needed for effective BATHER surveillance, wear corrective eyewear and/or wear polarized sunglasses;
- (8) Know where PPE is located and use it when required.

Cont'd...

4-3 Facility Staffing

4-304.3 Lifeguard Staff

4-304.3 Lifeguard Staff

- C. LIFEGUARDS assigned responsibilities for BATHER surveillance shall not be assigned other tasks that intrude on BATHER surveillance.
- D. While conducting BATHER surveillance, LIFEGUARDS shall not engage in social conversations or have on their person or LIFEGUARD STATION cellular telephones, texting devices, music players, or other similar non-emergency electronic devices.

4-3 Facility Staffing

4-304.6 Emergency Action and Communications Plans

- A. AQUATIC FACILITIES with required LIFEGUARD staff shall create and maintain an operating procedure manual containing information on the emergency response and communications plan including an EAP, Facility Evacuation Plan, and Inclement Weather Plan.
- B. A written EAP shall be developed, maintained, and updated as necessary for the AQUATIC FACILITY.
- C. The written EAP shall be kept at the AQUATIC FACILITY and available for emergency personnel and/or the HEALTH AUTHORITY upon request.

4-3 Facility Staffing

4-304.6 Emergency Action and Communications Plans

D. The EAP shall include at a minimum:

- (1) A diagram of the AQUATIC FACILITY;
- (2) A list of emergency telephone numbers;
- (3) The location of first aid kit and other rescue equipment (bag valve mask, AED, if provided, backboard, etc.);
- (4) An emergency response plan for accidental chemical release; and
- (5) A fecal/vomit/blood CONTAMINATION RESPONSE PLAN as outlined in [Section 4-501](#).

E. A written Facility Evacuation Plan shall be developed and maintained for the AQUATIC FACILITY. This plan shall include, at a minimum:

- (1) Actions to be taken in cases of drowning, serious illness or injury, chemical handling accidents, weather emergencies, and other serious incidents; and
- (2) Defined roles and responsibilities for all staff.

Cont'd...

4-3 Facility Staffing

4-304.6 Emergency Action and Communications Plans

- F. A communication plan shall exist to facilitate activation of internal emergency response centers and/or community 911/EMS as necessary.
- G. The AQUATIC FACILITY shall have a contingency/response plan for localized weather events that may affect their operation (i.e., lightning, high winds, etc.).

4-3 Facility Staffing

4-304.7 Remote MONITORING Systems

- A. Lifeguard-based remote safety MONITORING systems shall not replace the need for LIFEGUARDS. Remote safety MONITORING systems may be used to aid the operation but not as a substitute for LIFEGUARDS or ATTENDANTS when critical areas such as blind spots in an AQUATIC VENUE or area of a SLIDE are visually obstructed or otherwise cannot be viewed by a LIFEGUARD or ATTENDANT.
- B. QUALIFIED OPERATOR-based remote water quality MONITORING systems shall not be a substitute for manual water quality testing of the AQUATIC VENUE.
- C. When LIFEGUARD or QUALIFIED OPERATOR-based remote MONITORING systems are used, AQUATIC FACILITY staff shall be trained on their use, limitations, and communication and response protocols for communications with the MONITORING group.

4-3 Facility Staffing

4-304.8 Employee Illness and Injury Policy

- A. LIFEGUARD SUPERVISORS shall not permit employees who are ill with diarrhea to enter the water or perform in a LIFEGUARD role.
- B. LIFEGUARD SUPERVISORS shall not permit employees with open wounds in the water or in a LIFEGUARD role unless they have healthcare provider approval or wear a waterproof, occlusive bandage to cover the wound.

4-4 Facility Management

4-401 Operations

4-401.1 Operations Manual

- A. Each AQUATIC FACILITY shall develop an operations manual to keep at the AQUATIC FACILITY in either a printed or electronic format that is readily available for review during inspection.

- B. The manual shall at minimum include, but not be limited to, the following items:
 - (1) AQUATIC VENUE and AQUATIC FEATURE description(s) and locations;
 - (2) Facility communication;
 - (3) List of chemicals and system information;
 - (4) Fecal/vomit and body fluid contamination response protocols;
 - (5) Preventive maintenance plan; and
 - (6) Any other standard operation and maintenance policies and instructions or applicable information for each AQUATIC VENUE and AQUATIC FEATURE at the facility.

4-4 Facility Management

4-401.3 Safety and Maintenance Inspection and Recordkeeping

A. The QUALIFIED OPERATOR or RESPONSIBLE PERSON shall ensure a daily AQUATIC FACILITY preventive maintenance inspection is done before opening which includes:

- (1) Walkways/DECK and exits are clear, clean, free of debris;
- (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;
- (4) INLET and return covers and any other fittings are in place, secure, and unbroken;
- (5) Safety warning signs and other signage are in place and in good repair;
- (6) Safety equipment required by these Regulations are in place and in good repair, including emergency instructions and phone numbers;

4-4 Facility Management

4-401.3 Safety and Maintenance Inspection and Recordkeeping

- (7) Entrapment prevention systems are operational;
- (8) Recirculation, DISINFECTION systems, controller(s), and probes are operating as required;
- (9) SECONDARY and/or SUPPLEMENTAL DISINFECTION SYSTEMS are operating as required;
- (10) Underwater lights and other lighting are intact with no exposed wires or water in lights
- (11) Slime and biofilm has been removed from accessible surfaces of AQUATIC VENUES, SLIDES, and other AQUATIC FEATURES;
- (12) Doors to nonpublic areas (*CHEMICAL STORAGE SPACES, offices, etc.*) are locked;
- (13) First aid supplies are stocked;
- (14) Emergency communication equipment and systems are operational;
- (15) Fecal/vomit/blood incident contamination response protocols, materials, and equipment are available;

Cont'd...

4-4 Facility Management

4-401.3 Safety and Maintenance Inspection and Recordkeeping

- (16) Water features and amenities are functioning in accordance with the manufacturer's recommendations;
- (17) ENCLOSURES, gates, and self-latching or other locks are tested, intact, and functioning properly, and ENCLOSURES do not have nearby furniture to encourage climbing;
- (18) Drinking fountains are clean and in functional condition;
- (19) Electrical devices are in good working condition and meet NEC requirements;
- (20) Alarms, if required, are tested and functioning properly; and
- (21) Assessing water clarity such that the bottom and objects in the POOL are clearly visible.
- (22) Monthly tests of GFCI devices and emergency phone,
- (23) Inspections every six months of bonding conductors, where accessible.

4-4 Facility Management

4-401.5 Staff Certifications on File

Copies of all required LIFEGUARD, LIFEGUARD SUPERVISOR, or QUALIFIED OPERATOR certificates shall be maintained at the AQUATIC FACILITY and made available to the HEALTH AUTHORITY, staff, and PATRONS upon request.

4-4 Facility Management

4-401.6 Bodily Fluids Remediation Log

- A. A Body Fluid Contamination Response Log shall be maintained to document each occurrence of contamination of the water or its immediately adjacent areas by formed or diarrheal fecal material, stomach discharge of vomit, and blood.
- B. The AQUATIC FACILITY's standard operating procedures for responding to these contamination incidents shall be readily available for review by the HEALTH AUTHORITY.
- C. The log shall include the following information recorded at the time of the incident:
 - (1) Person conducting response;
 - (2) QUALIFIED OPERATOR or on-site RESPONSIBLE PERSON on duty;
 - (3) Date and time of incident response;
 - (4) Specific area, if not in the water, contaminated by incident;
 - (5) BATHER COUNT in the AQUATIC VENUE at the time of incident;

Cont'd...

4-4 Facility Management

4-401.6 Bodily Fluids Remediation Log cont'd

- (6) Type and form of body fluid observed e.g., diarrheal or formed stool, vomitus, or blood;
- (7) Date and time the area was closed;
- (8) Whether the POOL used CHLORINE stabilizer and concentration at time of incident;
- (9) Free residual disinfectant and PH levels at the time of incident;
- (10) Remediation procedures used after the incident including contact time, if applicable;
- (11) Free residual disinfectant and PH level at the time of reopening the AQUATIC VENUE to the public;
- (12) Stabilizer concentration, if used, at the time of reopening; and
- (13) Date and time of reopening.

4-4 Facility Management

4-402 Patron-Related Management Aspects

4-402.1 BATHER COUNT-Maximum Occupancy

- A. AQUATIC VENUES shall not exceed the maximum designed THEORETICAL PEAK OCCUPANCY for the individual AQUATIC VENUES as provided in section [2-102.3\(E\)](#) unless operating under a WAIVER approved in accordance with [Section 5-3](#).
- B. AQUATIC FACILITIES that typically operate with low BATHER OCCUPANCY shall have a plan in place to adjust for potential higher BATHER use. Such plans shall not exceed the maximum designed THEORETICAL PEAK OCCUPANCY for the individual AQUATIC VENUES or the AQUATIC FACILITY.

4-5 Fecal/Vomit/Blood Contamination Response



4-501 Contamination Response Plan

4-501.1 All AQUATIC FACILITIES shall have a CONTAMINATION RESPONSE PLAN within the EAP for responding to formed-stool contamination, diarrheal-stool contamination, vomit contamination, and contamination involving blood.

4-501.2 The Response Plan shall be reviewed at least annually and updated as necessary.

4-501.3 The Response Plan shall be kept on site and available for viewing by the HEALTH AUTHORITY.

4-5 Fecal/Vomit/Blood Contamination Response



4-502 Aquatic Venue Water Contamination Response

4-502.1 Closure

In the event of a fecal or vomit contamination in an AQUATIC VENUE, the QUALIFIED OPERATOR shall immediately close the AQUATIC VENUE to swimmers until remediation procedures are complete. This closure shall include the affected AQUATIC VENUE and other AQUATIC VENUES that share the same RECIRCULATION SYSTEM.

4-502.2 Physical Removal

Contaminating material shall be removed and disposed of in a sanitary manner.

- A. The item used to remove fecal or vomit contamination shall undergo thorough cleaning followed by DISINFECTION.
- B. Aquatic vacuum cleaners shall not be used for removal of contamination from the water or adjacent surfaces unless vacuum waste is discharged to a sanitary sewer and the vacuum equipment can be adequately disinfected.

4-5 Fecal/Vomit/Blood Contamination Response



4-503 Aquatic Venue Water Contamination Treatment and Disinfection

4-503.1 In the event of a fecal, vomit, or blood contamination incident, the AQUATIC FACILITY shall follow the most recent response guidelines from the CDC, Healthy Swimming Fecal Incident Response Recommendations for Aquatic Staff.

Note: The use of stabilized chlorine or CYA inhibits the effectiveness of the disinfecting agent and may require the draining of an AQUATIC VENUE if the concentration cannot be lowered to 15PPM prior to treatment per guidelines above.

4-5 Fecal/Vomit/Blood Contamination Response



4-504 Surface Contamination Cleaning and Disinfection

4-504.1 If a bodily fluid, such as feces, vomit, or blood, has contaminated a surface in an AQUATIC FACILITY, facility staff shall limit access to the affected area until remediation procedures have been completed.

4-504.2 Before DISINFECTION, all visible contaminant shall be cleaned and removed with disposable cleaning products effective with regard to type of contaminant present, type of surface to be cleaned, and the location within the facility.

4-504.3 Contaminant removed by cleaning shall be disposed of in a sanitary manner or as required by law.

4-5 Fecal/Vomit/Blood Contamination Response



4-504 Surface Contamination Cleaning and Disinfection

4-504.4 Contaminated surfaces shall be disinfected with one of the following DISINFECTION solutions:

- A. A 1:10 dilution of fresh household bleach with water; or
- B. An equivalent EPA REGISTERED disinfectant that has been approved for body fluids DISINFECTION.

4-504.5 The disinfectant shall be left to soak on the affected area for a minimum of 20 minutes or as otherwise indicated on the disinfectant label directions.

4-504.6 Disinfectant shall be removed by cleaning and shall be disposed of in a sanitary manner or as required by the HEALTH AUTHORITY.