



*City of Taunton*  
*Board of Health*  
45 School Street  
Massachusetts 02780-3212

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**POOL INSPECTION CHECK LIST**

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Required Signs

• Swimming pools:

[105 CMR 435.22(3)]

- “All persons are required to take a cleansing shower bath before entering the pool”
- “No person with a communicable disease is allowed to use the pool” [105 CMR 435.23(2)]
- “Warning – No lifeguard on duty” (if no lifeguards are required at the pool)
- “Children under age 16 should not use swimming pool without an adult in attendance”
- “Adults should not swim alone” (if no lifeguards are required at the pool)

• Special purpose pools (spas, wading pools):

- Prominently marked emergency shut off pump switch [105 CMR 435.08(5)]
- Permanently mounted and easily readable clock [105 CMR 435.22(5)] [105 CMR 435.22(3)]
- “All persons are required to take a cleansing shower bath before entering the pool”
- “No person with a communicable disease is allowed to use the pool” [105 CMR 435.22(4)]
- “Do not use when alone”
- “Do not use while under the influence of alcohol, anticoagulants, antihistamines, vasoconstrictors, stimulants, hypnotics, narcotics or tranquilizers”
- “Elderly persons, pregnant women, and persons suffering from heart disease, diabetes, high or low blood pressure should not use this pool until they consult with their physician”
- “Do not use the pool when the water temperature is greater than 104°F”
- “Observe a reasonable time limit (e.g., ten minutes), then shower, cool down, and, if you wish, return for another brief stay. Long exposure may result in nausea, dizziness or fainting”
- “The use of oils and body lotion by bathers is prohibited” [105 CMR 435.23(2)]
- “Warning – No lifeguard on duty” (if no lifeguards are required at the pool)
- “Children under age 16 should not use swimming pool without an adult in attendance”
- “Adults should not swim alone” (if no lifeguards are required at the pool)

**First Aid Equipment**

[105 CMR 435.25(1)]

- 35 1” bandaids
- 10 3”x 3” sterile gauze pads
- 2 5” x 5” surgipads
- 1 8” x 10” surgipad
- 2 2” soft roller bandages
- 2 3” soft roller bandages
- 1 ½” roll of hypoallergenic tape
- 1 triangular bandage
- 1 scissors
- 1 tweezers
- 1 rescue blanket
- 12 antiseptic wipes
- 2 disposable instant ice packs
- 1 sterile isotonic buffered eye wash
- 2 pairs of one-size-fits-all latex (vinyl) gloves
- 1 micro-shield or pocket mask with a one way valve

### Pool Computations

Bather Load = (NON-SWIMMING SURFACE AREA/15) + (SWIMMING SURFACE AREA/20)

Surface area of a square or rectangle = (L x W)      Surface area of a circle = (3.14 x rxr)

Square or Rectangular Pool Volume = (L x W x avg. depth x 7.48)

Circular Pool Volume = (rxr x 3.14 x avg. depth x 7.48)

Pool Turnover Rate per 24 hours = (gal. Per min. x 60min x 24 hours) / pool volume

[105 CMR 435.06(1)]

- swimming pools            (once/8 hrs or 3 times/24 hrs)
- wading pools              (once/4 hrs or 6 times/24 hrs)
- special purpose pools    (once/ 1/2 hr or 48 times/24 hrs)
- water slide flumes        (once/hr or 24 times/24 hrs)

### Bather Load Capacity

[105 CMR 435.27]

- “Non-swimmer” area – 5 feet or less in depth
  - 15 square feet per bather
- “Swimmer” area – over 5 feet in depth
  - 20 square feet per bather
- “Diving” area
  - 300 square feet per diving board (subtracted from total surface swimming area)
- “Sliding” area
  - 100 square feet per slide (subtracted from total surface swimming area)
- “Special purpose pool bathers”
  - 10 square feet per bather

### Chemical Standards

[105 CMR 435.29(1,5)]

- Total Chlorine            (1.0 – 3.2)
- Free Chlorine            (1.0 – 3.0)
- Combined Chlorine    (0.0 – 0.2){*Total Chlorine – Free Chlorine = Combined Chlorine*}
- pH (Hydrogen-Ion Concentration)    (7.2 – 7.8)
- Alkalinity                (50 – 150)
- Cyanuric Acid {if used}                (30mg/l – 100mg/l)
- either: (1) to stabilize free chlorine or (2) if one of the chlorinated isocyanurate compounds is used as disinfectant

When to test:

- Test residual disinfectants (**chlorine, bromine**) 4 times daily; once during peak
- Test **pH** simultaneously with residual disinfectants (4 times daily)
- Test **alkalinity and calcium hardness** once per week

### Bacterial Quality

[105 CMR 435.28]

- NO SAMPLE SHALL HAVE:
  1. 200 bacteria/milliliter
  2. a positive test for coliform organisms in any of the five 10-milliliter portions of a sample
  3. > 1.0 coliform organism/50milliliters (with *membrane filter test*)
  4. a positive test for pseudomonas aeruginosa organism in any of the five 10-milliliter portions of a sample
  5. > 1.0 pseudomonas aeruginosa organism/100 milliliters (with *membrane filter test*)