

TABLE OF CONTENTS

CHAPTER Env-Wq 1100 PUBLIC BATHING PLACES

PART Env-Wq 1101 PURPOSE AND APPLICABILITY

Section Env-Wq 1101.01 Purpose

Section Env-Wq 1101.02 Applicability

PART Env-Wq 1102 DEFINITIONS

Section Env-Wq 1102.01 Automatic Chemical Controller

Section Env-Wq 1102.02 Bather

Section Env-Wq 1102.03 Bromine

Section Env-Wq 1102.04 Cartridge Filter

Section Env-Wq 1102.05 Chlorine

Section Env-Wq 1102.06 Chlorine Demand

Section Env-Wq 1102.07 Combined Chlorine

Section Env-Wq 1102.08 Common Interest Bathing Place

Section Env-Wq 1102.09 Communicable Disease

Section Env-Wq 1102.10 Cyanobacteria

Section Env-Wq 1102.11 Cyanuric Acid

Section Env-Wq 1102.12 Deck

Section Env-Wq 1102.13 Department

Section Env-Wq 1102.14 Designated Beach

Section Env-Wq 1102.15 Diatomaceous Filter

Section Env-Wq 1102.16 Diethylphenylene Diamine (DPD)

Section Env-Wq 1102.17 Enterococci

Section Env-Wq 1102.18 Escherichia coli (E. coli)

Section Env-Wq 1102.19 Fence

Section Env-Wq 1102.20 Flow-through Bathing Place

Section Env-Wq 1102.21 Flow Meter

Section Env-Wq 1102.22 Free Available Chlorine

Section Env-Wq 1102.23 Heterotrophic Plate Count (HPC)

Section Env-Wq 1102.24 Hose Bib

Section Env-Wq 1102.25 Hypochlorite

Section Env-Wq 1102.26 Lifeguard

Section Env-Wq 1102.27 Milligram per Liter (mg/L)

Section Env-Wq 1102.28 Operator

Section Env-Wq 1102.29 Owner

Section Env-Wq 1102.30 Oxidation Reduction Potential (ORP)

Section Env-Wq 1102.31 Patron

Section Env-Wq 1102.32 pH

Section Env-Wq 1102.33 Phenol Red

Section Env-Wq 1102.34 Pressure-type Sand Filter

Section Env-Wq 1102.35 Primary Water Contact

Section Env-Wq 1102.36 Pseudomonas Aeruginosa

Section Env-Wq 1102.37 Public Bathing Facility

Section Env-Wq 1102.38 Public Bathing Place

Section Env-Wq 1102.39 Safety Vacuum Release System

Section Env-Wq 1102.40 Skimmer

Section Env-Wq 1102.41 Spa

Section Env-Wq 1102.42 Special Recreation Pool

Section Env-Wq 1102.43 Stabilized Chlorine

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

- Section Env-Wq 1102.44 Swimming Pool
 - Section Env-Wq 1102.45 Therapy Pool
 - Section Env-Wq 1102.46 Total Chlorine
 - Section Env-Wq 1102.47 Total Coliform Bacteria
 - Section Env-Wq 1102.48 Turbidity
 - Section Env-Wq 1102.49 Turnover Time
 - Section Env-Wq 1102.50 Wading Pool
 - Section Env-Wq 1102.51 Weir
- PART Section Env-Wq 1103 PUBLIC BATHING PLACE APPROVALS
- Section Env-Wq 1103.01 Waiver
 - Section Env-Wq 1103.02 Public Bathing Places to be Approved
 - Section Env-Wq 1103.03 Application for Approval of Public Bathing Facility
 - Section Env-Wq 1103.04 Public Bathing Facility Specifications
 - Section Env-Wq 1103.05 Other Required Information for Public Bathing Facility Application for Approval
 - Section Env-Wq 1103.06 Plans Required for Public Bathing Facility Application
 - Section Env-Wq 1103.07 Application for Approval of Designated Beach or Flow-through Bathing Place
 - Section Env-Wq 1103.08 Specifications and Dimensions for Designated Beaches or Flow-through Bathing Places
 - Section Env-Wq 1103.09 Other Required Information for Designated Beach or Flow-through Bathing Place Application
 - Section Env-Wq 1103.10 Plans Required for Designated Beach or Flow-through Bathing Place Application
 - Section Env-Wq 1103.11 Review of Applications
 - Section Env-Wq 1103.12 Pre-operational Inspection
 - Section Env-Wq 1103.13 Suspension or Revocation of Approvals
- PART Env-Wq 1104 PUBLIC BATHING PLACE OPERATION, SUPERVISION, AND SAFETY
- Section Env-Wq 1104.01 Testing and Recordkeeping for Public Bathing Facilities
 - Section Env-Wq 1104.02 Supervision
 - Section Env-Wq 1104.03 Safety
 - Section Env-Wq 1104.04 Emergency Rescue Equipment
 - Section Env-Wq 1104.05 Outlet Grates
- PART Env-Wq 1105 DESIGN FEATURES, WATER QUALITY STANDARDS, AND OPERATION REQUIREMENTS FOR PUBLIC BATHING PLACES
- Section Env-Wq 1105.01 Showers
 - Section Env-Wq 1105.02 Towels
 - Section Env-Wq 1105.03 Dressing Rooms
 - Section Env-Wq 1105.04 Toilets
 - Section Env-Wq 1105.05 Trash Receptacles
 - Section Env-Wq 1105.06 Food and Drink Prohibited in the Bathing Area
 - Section Env-Wq 1105.07 Security Fencing; Deck Areas
 - Section Env-Wq 1105.08 Cross-Connection Control
 - Section Env-Wq 1105.09 Deck Cleaning
 - Section Env-Wq 1105.10 Water Quality Standards for Public Bathing Facilities
 - Section Env-Wq 1105.11 Water Quality Standards for Designated Beaches
 - Section Env-Wq 1105.12 Public Bathing Facility Circulation
 - Section Env-Wq 1105.13 Filter Cleaning
 - Section Env-Wq 1105.14 Depth Markers and Float Lines

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

- Section Env-Wq 1105.15 Water Surface Area Per Bather
- Section Env-Wq 1105.16 Flow-through Bathing Places

PART Env-Wq 1106 DESIGN AND CONSTRUCTION FEATURES FOR SWIMMING POOLS

- Section Env-Wq 1106.01 Minimum Swimming Pool Dimensions
- Section Env-Wq 1106.02 Materials of Construction
- Section Env-Wq 1106.03 Hydraulic Design
- Section Env-Wq 1106.04 Filter Requirements
- Section Env-Wq 1106.05 Disinfection
- Section Env-Wq 1106.06 Turn-over Rates

PART Env-Wq 1107 DESIGN AND CONSTRUCTION FEATURES FOR SPAS

- Section Env-Wq 1107.01 Minimum Spa Dimensions
- Section Env-Wq 1107.02 Materials of Construction
- Section Env-Wq 1107.03 Spa Inlets and Outlets
- Section Env-Wq 1107.04 Spa Recirculation Systems
- Section Env-Wq 1107.05 Spa Filter Requirements
- Section Env-Wq 1107.06 Disinfection
- Section Env-Wq 1107.07 Turn-over Rate

PART Env-Wq 1108 DESIGN AND CONSTRUCTION FEATURES FOR WADING POOLS

- Section Env-Wq 1108.01 Minimum Wading Pool Dimensions
- Section Env-Wq 1108.02 Materials of Construction
- Section Env-Wq 1108.03 Wading Pool Inlets and Outlets
- Section Env-Wq 1108.04 Wading Pool Recirculation Systems
- Section Env-Wq 1108.05 Wading Pool Filter Requirements
- Section Env-Wq 1108.06 Disinfection
- Section Env-Wq 1108.07 Turn-over Rate

PART Env-Wq 1109 DESIGN AND CONSTRUCTION FEATURES FOR SPECIAL RECREATION POOLS

- Section Env-Wq 1109.01 Special Recreation Pool Minimum Dimensions
- Section Env-Wq 1109.02 Materials of Construction
- Section Env-Wq 1109.03 Hydraulic Design
- Section Env-Wq 1109.04 Filter Requirements
- Section Env-Wq 1109.05 Disinfection
- Section Env-Wq 1109.06 Turn-over Rate

PART Env-Wq 1110 DESIGN AND CONSTRUCTION FEATURES FOR THERAPY POOLS

- Section Env-Wq 1110.01 Therapy Pool Minimum Dimensions
- Section Env-Wq 1110.02 Materials of Construction
- Section Env-Wq 1110.03 Hydraulic Design
- Section Env-Wq 1110.04 Filter Requirement
- Section Env-Wq 1110.05 Disinfection
- Section Env-Wq 1110.06 Turn-Over Rates

CHAPTER Env-Wq 1100 PUBLIC BATHING PLACES

Statutory Authority: RSA 485-A:6, X; RSA 485-A:26

REVISION NOTE:

Document #8468, effective 11-1-05, readopted with amendments and renumbered former Part Env-Ws 1101 through Part Env-Ws 1105 on swimming pools, public bathing places, spas and water slides under a new subtitle as Chapter Env-Wq 1100. Document #8468 also reserved the numbers Env-Ws 1101 through Env-Ws 1119 in Chapter Env-Ws 1100. The redesignation from subtitle Env-Ws to subtitle Env-Wq was done pursuant to a rules reorganization plan for Department rules approved by the Director of the Office of Legislative Services on 9-7-05.

Document #8468 replaces all prior filings for rules formerly in Env-Ws 1101 through Env-Ws 1105. The prior filings for rules in former Env-Ws 1101 through Env-Ws 1105 include the following documents:

- #221.14, as in effect 8-31-73
- #2139, eff 9-23-82
- #2872, eff 10-3-84
- #5045, eff 1-16-91
- #6420, INTERIM, eff 1-17-97, EXPIRED 5-17-97
- #6542, eff 7-18-97
- #8390, INTERIM, eff 7-18-05

PART Env-Wq 1101 PURPOSE AND APPLICABILITY

Env-Wq 1101.01 Purpose. The purpose of the rules in Env-Wq 1100 is to:

- (a) Establish the criteria and procedures for approving the design and installation of public bathing places;
- (b) Identify standards to protect water quality and the health and safety of persons using public bathing places; and
- (c) Ensure that public bathing places are maintained and operated safely for patrons.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1101.02 Applicability.

- (a) This chapter shall apply to all public bathing places as defined in Env-Wq 1102.
- (b) If any requirement in Env-Wq 1100 conflicts with any local ordinance, the more stringent requirement shall apply.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

PART Env-Wq 1102 DEFINITIONS

Env-Wq 1102.01 “Automatic chemical controller” means electrical equipment that senses water variables, primarily sanitizer concentrations and pH, and controls feed systems to maintain variables within desired limits.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.02 “Bather” means any individual entering the water at a public bathing place.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.03 “Bromine” means an element that is a dark, heavy, reddish-brown liquid in its natural state, closely related to chlorine, which is sometimes used in bathing facility water sanitation.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.04 “Cartridge filter” means a filter that uses a fabric-like cartridge as a filtering medium.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.05 “Chlorine” means a heavy, green, highly poisonous gas in its elemental, or naturally occurring, state. Compressed in liquid form and stored in heavy steel tanks, chlorine can be used in bathing facility water sanitation.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.06 “Chlorine demand” means the amount of chlorine needed to oxidize organic matter present in bathing facility water, such as combined chlorine, susceptible bacteria, and algae.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.07 “Combined chlorine” means compounds formed when free chlorine combines with nitrogen or ammonia from substances including but not limited to urine, suntan oils, hair spray, or perspiration. Combined chlorine in bathing facility water can cause skin and eye irritation and has a strong, objectionable odor. Combined chlorine concentration is determined by subtracting the concentration of free available chlorine from the concentration of total chlorine.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.08 “Common interest bathing place” means any public bathing place which is part of the common facilities of a common interest ownership community that is established for dwelling purposes only, such as a condominium, cooperative, or homeowners association, and which is operated by such community for the residents thereof and their guests.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

Env-Wq 1102.09 “Communicable disease” means “communicable disease” as defined in RSA 141-C:2, VI, namely “illness due to a microorganism, virus, infectious substance, biological product that may be engineered as a result of biotechnology, or any naturally occurring or bioengineered component of any such microorganism, virus, infectious substance, or biological product, which may be transmitted directly or indirectly to any person from an infected person, animal, or arthropod (including insecta and arachnida) or through the vehicle of an intermediate host, vector or the inanimate environment.”

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.10 “Cyanobacteria” means a photosynthetic prokaryote able to synthesize chlorophyll-a, some species of which produce cyanotoxins which are toxic to mammals, including humans, and which, when present in large amounts, may cause a blue-green scum to form on the surface of lakes and ponds.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.11 “Cyanuric acid” means the chemical 2, 4, 6, trihydroxy-s-triazine, also known as stabilizer or conditioner, which reduces the loss of chlorine in water due to the ultraviolet rays of the sun.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.12 “Deck” means the area immediately adjacent to or attached to a bathing facility that is specifically constructed for use by patrons for sitting, standing, or walking.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.13 “Department” means the New Hampshire department of environmental services.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.14 “Designated beach” means a public bathing place that comprises an area on a water body and associated buildings and equipment, intended or used for bathing, swimming, or other primary water contact purposes. The term includes, but is not limited to, beaches or other swimming areas at hotels, motels, health facilities, water parks, condominium complexes, apartment complexes, youth recreation camps, public parks, and recreational campgrounds or camping parks as defined in RSA 216-I:1, VII. The term does not include any area on a water body which serves 3 or fewer living units and which is used only by the residents of the living units and their guests.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.15 “Diatomaceous filter” means a pressure or vacuum-type filter that uses a white powder derived from fossilized organisms called diatoms as a filtering medium.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

Env-Wq 1102.16 “Diethylphenylene diamine (DPD)” means a chemical testing reagent that measures bromine or free available chlorine and total chlorine, wherein the color changes from pale pink to dark red as the concentration of bromine or chlorine increases.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.17 “Enterococci” means a spherical bacteria often grouped in chains resembling a string of beads, which are a natural component of the intestines of warm-blooded animals and which are used in public health as indicators of fecal pollution.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.18 “Escherichia coli (E. coli)” means a group of gram-negative rod-shaped bacteria that are a natural component of the intestines of warm-blooded animals and which are used in public health as indicators of fecal pollution.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.19 “Fence” means a structural safety boundary intended to prevent unauthorized entry from the outside, not intended to be sat on or walked or climbed on or over.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.20 “Flow-through bathing place” means a public bathing place which has been formed by damming all or portions of a surface water, in which circulation depends on the flow of water, whether pumped or gravity-fed.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.21 “Flow meter” means a device that measures the rate of flow of water through piping.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.22 “Free available chlorine” means that portion of the total chlorine remaining in chlorinated water that is not bound in combined chlorine and so is available as a sanitizer.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.23 “Heterotrophic plate count (HPC)” means a laboratory test for culturing and quantifying live bacteria, which are primary indicators of disinfection efficiency. Indicators of health risk include normal skin flora such as Streptococcus, Staphylococcus, and Pseudomonas that are likely to be shed in oils, saliva, and mucus discharges.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

Env-Wq 1102.24 “Hose bib” means a valve with a threaded connection that is used as a hose connection.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.25 “Hypochlorite” means a family of chemical compounds such as calcium hypochlorite, lithium hypochlorite, and sodium hypochlorite, used as a chlorine carrier in public bathing facility water.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.26 “Lifeguard” means an individual trained and certified in water rescue and lifesaving who is responsible for supervision and lifesaving at a public bathing place.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.27 “Milligrams per liter (mg/L)” means a unit of concentration indicating the number of milligrams of a substance in a liter of liquid, which is equivalent to parts per million (ppm).

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.28 “Operator” means the individual who has responsibility for the daily operation of a public bathing place and who is trained in the sanitation, safety, and proper maintenance of the public bathing place and all physical and mechanical equipment associated therewith.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.29 “Owner” means the person who owns the property at which a public bathing place has been or is proposed to be constructed.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.30 “Oxidation reduction potential (ORP)” means a measure of the ability of chemicals in the water to oxidize, or reduce, ions, generally measured in millivolts (mV).

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.31 “Patron” means any individual using a public bathing place, regardless of whether the individual enters the water.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.32 “pH” means the expression of the intensity of the acid or alkaline condition of a solution, such as water, as indicated by the hydrogen ion concentration and expressed as a number on the scale of 0 to 14, with 0 being most acidic, 7 being neutral, and 14 being most basic.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

Env-Wq 1102.33 “Phenol red” means a pH indicator used in water analysis in the range between 6.8 and 8.4, wherein the color changes from yellow to red to purple as pH increases.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.34 “Pressure-type sand filter” means a filter that uses sand or sand and gravel as the filtering medium, through which pool water is pumped under pressure.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.35 “Primary water contact” means full body contact with water, with or without incidental ingestion of water.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.36 “Pseudomonas aeruginosa” means a gram-negative rod-shaped bacteria that commonly causes illnesses or infections such as dermatitis or folliculitis and otitis externa, or “swimmer’s ear”.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.37 “Public bathing facility” means a public bathing place that comprises a water-containing structure and associated buildings and equipment, intended or used for bathing, swimming, or diving purposes. The term includes, but is not limited to, swimming pools, spas, special recreation pools, and therapy pools at hotels, motels, health facilities, water parks, condominium complexes, apartment complexes, youth recreation camps, public parks, and recreational campgrounds or camping parks as defined in RSA 216-I:1, VII. The term does not include any bathing facility which serves 3 or fewer living units and which is used only by the residents of the living units and their guests.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.38 “Public bathing place” means a place or location, together with buildings and equipment, intended or used for recreational or therapeutic bathing, swimming, or diving, and operated by or for any governmental subdivision, public or private corporation, partnership, association, or educational institution open to the public, members, or students, whether on a fee or free basis. The term includes public bathing facilities, flow-through bathing places, and designated beaches. The term does not include any bathing place that serves 3 or fewer living units and that is used only by the residents of the living units and their guests.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.39 “Safety vacuum release system” means a system or device capable of providing vacuum release at a suction outlet caused by a high vacuum occurrence due to suction outlet flow blockage.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

Env-Wq 1102.40 “Skimmer” means a mechanical device connected to the recirculation piping for continuous removal of surface water and floating debris from a public bathing facility.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.41 “Spa” means a water-containing structure, sometimes called a hot tub or jacuzzi, that is designed for recreational or therapeutic use and for physiological and psychological relaxation but not for swimming or diving. These facilities are not drained and refilled after each use; the water is circulated, filtered, and sanitized. Spas include hydrojet circulation, hot water, cold water, mineral baths, and air induction systems. The term includes structures that are in a fixed location and structures that are intended to be moved from place to place on a rental or other commercial basis.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.42 “Special recreation pool” means a water-containing structure or combination of structures that is not intended for swimming or diving but that is used typically for receiving bathers at the end of long slides, flumes, or chutes, or for artificial surfing and similar use. The term includes wave action pools, activity pools, catch pools, leisure rivers, vortex pools, and interactive play attractions.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.43 “Stabilized chlorine” means an organic compound that reacts with water to form available chlorine and cyanuric acid, such as sodium dichloro-s-triazinetrione (dichlor) or trichloro-s-triazinetrione (trichlor).

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.44 “Swimming pool” means a water-containing structure that is entirely artificial in construction and is intended for bathing, swimming, diving, or any combination thereof. The term includes structures that are indoor, outdoor, or both.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.45 “Therapy pool” means a water-containing structure that is used for bathing and therapeutic use, wherein the water has a temperature higher than that of a swimming pool, usually from 90°F to 104°F.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.46 “Total chlorine” means the sum of free available chlorine and combined chlorine.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

Env-Wq 1102.47 “Total coliform bacteria” means a group of facultative anaerobic, gram-negative, non-spore-forming rod-shaped bacteria that can be used to provide information on the presence of fecal coliform and E. coli. Detection of total coliform bacteria in recreational water indicates health risks through body contact, ingestion, or inhalation.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.48 “Turbidity” means the measure of suspended materials in water, which can obscure visibility, reported in nephelometric turbidity units (NTUs).

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.49 “Turnover time” means the amount of time needed for all of the water in a public bathing facility to pass through the recirculation system once.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.50 “Wading pool” means a water-containing structure that has a maximum depth of 2 feet.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1102.51 “Weir” means a flap within a skimmer that adjusts automatically to small changes in water level and assures a continuous water flow to the skimmer.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

PART Env-Wq 1103 PUBLIC BATHING PLACE APPROVALS

Env-Wq 1103.01 Waivers.

- (a) The owner may request a waiver in accordance with this section whenever:
 - (1) Strict compliance with the requirements in this chapter would result in a design which is not in the best interests of public health or the environment; or
 - (2) An alternative method or material is available that would provide the same degree of protection to public health and the environment as the method or material specified.
- (b) The owner shall submit a request for a waiver to the department in writing.
- (c) The request shall be signed by the owner or a duly-authorized representative.
- (d) A request for a waiver shall include the following:
 - (1) The name, mailing address, and daytime telephone number of the person requesting the waiver;
 - (2) The name, mailing address, and daytime telephone number of the owner of the pool, if other than the person requesting the waiver;
 - (3) Identification of the rule for which a waiver is requested;

- (4) An explanation of why the waiver is being requested;
- (5) If the waiver is based on strict compliance with the rule not being in the best interests of public health or the environment:
 - a. An explanation of why strict compliance would not be in the best interests of public health and the environment; and
 - b. A description of any alternative methods, procedures, or designs that will be used in lieu of complying with the rule;
- (6) If the waiver is based on an alternative method or material being available that would provide the same degree of protection to public health and the environment as the method or material specified:
 - a. A description of the proposed method or material; and
 - b. An explanation of why the proposed method or material provides the same degree of protection to public health and the environment as the method or material specified; and
- (7) Supporting data for the proposed alternative.

(e) The department shall grant the requested waiver if the department determines that granting the waiver will not result in a lower level of protection being afforded to public health or the environment than complying with the rule as adopted.

(f) The department shall notify the owner of the decision on the waiver request in writing. If the request is denied, the decision shall specify the reason(s) for the denial.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.02 Public Bathing Places to be Approved.

(a) Pursuant to RSA 485-A:26, no person shall install, operate, or maintain a public bathing place unless the construction, design, and physical specifications of such public bathing place have received prior approval from the department.

(b) Designated beaches in operation as of August 1, 2005 shall be deemed to have received prior approval from the department.

(c) Any person wishing to obtain approval for a public bathing facility shall submit to the department:

- (1) An application, on a form obtained from the department, that contains the information specified in Env-Wq 1103.03 and is signed as specified in (f), below;
- (2) Plans as specified in Env-Wq 1103.06;
- (3) Specifications as specified in Env-Wq 1103.04;
- (4) The information specified in Env-Wq 1103.05; and
- (5) The fee required by RSA 485-A:26, I.

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

(d) Any person wishing to obtain approval for a designated beach or a flow-through bathing place shall submit to the department:

- (1) An application, on a form obtained from the department, that contains the information specified in Env-Wq 1103.07 and is signed as specified in (f), below;
- (2) Specifications and dimensions as required by Env-Wq 1103.08, on the plans required by Env-Wq 1103.10;
- (3) The information specified in Env-Wq 1103.09; and
- (4) The fee required by RSA 485-A:26, I.

(e) The application shall be submitted to the department at the following address:

DES, Water Division
29 Hazen Drive
P.O. Box 95
Concord, NH 03302-0095
Attn: Public Bathing Place Coordinator

(f) The applicant and the owner, if other than the applicant, shall sign and date the application form.

(g) The signature(s) shall constitute certification that:

- (1) The information provided is true, complete, and not misleading to the knowledge and belief of the signer; and
- (2) The signer understands that any permit issued based on false, incomplete, or misleading information shall be subject to revocation.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.03 Application for Approval of Public Bathing Facility. The application for approval of a public bathing facility shall include the following information:

- (a) The name of the establishment at which the public bathing facility will be located;
- (b) The street address where the public bathing facility will be located;
- (c) The municipality, state, and zip code where the public bathing facility will be located;
- (d) The type of public bathing facility for which approval is being requested;
- (e) Whether the public bathing facility is an indoor or outdoor facility, or both; and

(f) The name, mailing address and daytime telephone number of the owner of the public bathing facility and the name(s), mailing address(es), and daytime telephone number(s) of the public bathing facility designer and installer if known.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.04 Public Bathing Facility Specifications. The specifications submitted with an application for approval of a public bathing facility shall include the following:

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

- (a) The capacity of the public bathing facility, in gallons;
- (b) Materials of construction;
- (c) Measurements, in feet, of:
 - (1) The shallow end depth;
 - (2) The maximum depth at the deep end;
 - (3) The depth at the wall of the deep end or 12 inches out from that wall, whichever is deeper;
 - (4) The depth at the break in depth between the shallow and deep portions of a swimming pool; and
 - (5) The depth measured 22 feet from the deep end wall;
- (d) The slope of the bottom of the shallow end;
- (e) The distance in feet from the deep end wall to the break in depth between the shallow and deep portions of a swimming pool;
- (f) The distance in feet from the edge of any diving board(s) to the side walls;
- (g) The perimeter of the public bathing facility in feet;
- (h) The number of water inlets;
- (i) The area of the public bathing facility in square feet;
- (j) The number of skimmers;
- (k) The availability of a 2-inch equalizer pipe at the bottom of the skimmer;
- (l) The presence of a gutter system;
- (m) Information on the disinfection system that will be used, including:
 - (1) The type of disinfection system;
 - (2) The name of the manufacturer of the disinfection unit and manufacturer's specifications on the disinfection unit;
 - (3) The capacity of the disinfection unit in milligrams per liter; and
 - (4) The model of the disinfection unit;
- (n) The pump recirculation rate in gallons per minute;
- (o) The turnover time in hours;
- (p) Information on the filter system, including:
 - (1) The type of filter;
 - (2) The name of the manufacturer of the filter and manufacturer's specifications on the filter;
 - (3) The model of the filter;

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

- (4) The total filter area in square feet;
 - (5) The filtration rate in gallons per minute;
 - (6) The filter flow meter range in gallons per minute;
 - (7) The name of the manufacturer of the filter flow meter;
 - (8) The number and location of hair strainers;
 - (9) The availability of filter operating instructions; and
 - (10) The location of the disposal site for backwash, if the filter is back washed; and
- (q) Information on the circulation pump, including:
- (1) The model of the pump; and
 - (2) The pump performance curve showing the gallons per minute versus the head loss of the pump.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.05 Other Required Information for Public Bathing Facility Application for Approval. The application submitted for approval of a public bathing facility also shall include the following:

- (a) Information on the water source for the public bathing facility, including:
 - (1) The source of water, and whether it is a public water supply, a private groundwater supply, or surface water;
 - (2) If the source water is a public water supply, the name and location of the water supply; and
 - (3) The type of source water piping;
- (b) Information on the availability of a bathhouse with toilet and shower facilities as specified in Env-Wq 1105.04 and Env-Wq 1105.01, respectively; and
- (c) Information on the security fencing as specified in Env-Wq 1105.07.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.06 Plans Required for Public Bathing Facility Application. The application submitted for approval of a public bathing facility shall include plans showing the following:

- (a) An overall plan showing the locations of the buildings, bathing area, and water supply;
- (b) A plan drawn to scale showing the dimensions of the public bathing facility, diving board(s), if any, skimmer locations, returns, spacing of gutter or deck drains, size and material of piping, fill-spout, and main drains;
- (c) Longitudinal-section of entire pool and cross-section of deep end showing depths and slopes;
- (d) Filter room piping in detail; and

- (e) Specifications of circulation and disinfection equipment.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.07 Application for Approval of Designated Beach or Flow-through Bathing Place. The application for approval of a designated beach or flow-through bathing place shall include the following information:

- (a) The name of the waterbody where the beach or flow-through bathing place will be located;
- (b) The street address where the beach or flow-through bathing place will be located;
- (c) The municipality, state, and zip code where the beach or flow-through bathing place will be located;
- (d) The name, mailing address, and daytime telephone number of the owner of the beach or flow-through bathing place; and
- (e) The name(s), mailing address(es), and daytime telephone number(s) of the contractor if known.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.08 Specifications and Dimensions for Designated Beaches or Flow-through Bathing Places. The specifications submitted with an application for approval of a designated beach or flow-through bathing place shall include the following:

- (a) Measurements of:
 - (1) Shore frontage of beach or access to flow-through bathing place, in feet;
 - (2) Width of beach or access to flow-through bathing place, in feet; and
 - (3) The surface area of the beach or access to flow-through bathing place, in square feet;
- (b) The maximum water depth, in feet, at the edge of the swim area or at the float line;
- (c) The surface area of the swim area, in square feet;
- (d) The maximum expected bather load; and
- (e) Information on how construction of the beach or access to flow-through bathing place will comply with RSA 482-A, Dredge and Fill in Wetlands, and RSA 483-B, the Comprehensive Shoreland Protection Act.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.09 Other Required Information for Designated Beach or Flow-through Bathing Place Application. The application submitted for approval of a designated beach or flow-through bathing place shall also include the following:

- (a) The location of the nearest toilet facilities per Env-Wq 1105.04, if any;
- (b) Information on the water quality for the swim area, including a copy of a recent bacterial analysis and the location of any water inlets, point discharges, and non-point sources of pollution; and

- (c) Information on the height, location, and material of the security fencing, if any.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.10 Plans Required for Designated Beach or Flow-through Bathing Place Application.
The application submitted for approval of a designated beach or flow-through bathing place shall include plans showing the following:

- (a) A simple layout of the buildings, beach area, toilets, if any, and location of the potable water supply, if any; and
- (b) A plan drawn to scale showing the swimming area and depth dimensions.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.11 Review of Applications.

(a) Upon receiving a complete application package as specified in Env-Wq 1103.02, the department shall review the application.

(b) The department shall approve the proposed public bathing place if the department determines that the proposed public bathing place has been designed so as to comply with the applicable design standards of this chapter.

(c) The department shall inform the applicant of its decision in writing. If the application is denied, the decision shall state the reason(s) for the denial.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.12 Pre-operational Inspection.

(a) The owner of a newly constructed public bathing facility or an existing public bathing facility that has been closed longer than 12 months shall arrange for an inspection of the public bathing facility by the department to determine compliance with the requirements of this chapter.

(b) The public bathing facility shall not open for public use prior to the inspection.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1103.13 Suspension or Revocation of Approvals.

(a) Upon finding that information submitted as part of an application for which an approval has been issued is incorrect, misleading, incomplete, or otherwise deficient, the department shall proceed in accordance with this section.

(b) The department shall initiate an action to suspend or revoke the approval pursuant to RSA 541-A:30, II, RSA 541-A:31, and the provisions of Env-C 200 applicable to adjudicative proceedings.

(c) The notice issued to initiate the action shall inform the owner:

- (1) That the department is proposing to suspend or revoke the approval;

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

(2) Of the grounds on which the department's proposed action is based; and

(3) Of the date and time of a hearing at which the owner may show cause why the approval should not be suspended or revoked.

(d) The department shall suspend the approval if the department determines, as a result of the proceeding initiated under (b), above, that:

(1) The deficient information was submitted inadvertently or negligently; and

(2) The approval would have been issued if correct, complete, and not misleading information had been submitted originally.

(e) If the department suspends the approval, the decision issued pursuant to (h), below, shall:

(1) Specify a reasonable time in which the owner may correct the deficiencies which formed the basis for the suspension; and

(2) Notify the owner that if the deficiencies are not corrected within the time specified, the approval will be revoked.

(f) A decision to suspend an approval pending receipt of adequate and correct information shall not be considered a final decision from which an appeal may be taken.

(g) The department shall revoke the approval if the department determines, as a result of the proceeding initiated under (b), above, that:

(1) The permit holder submitted deficient information with the intent to mislead or to avoid one or more requirements of the statute or rules; or

(2) The approval would not have been issued if correct, complete, and not misleading information had been submitted originally.

(h) The department shall issue a written decision to the owner. If the approval is suspended or revoked, the decision shall specify the reason(s) for the decision.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

PART Env-Wq 1104 PUBLIC BATHING PLACE OPERATION, SUPERVISION, AND SAFETY

Env-Wq 1104.01 Testing and Recordkeeping for Public Bathing Facilities.

(a) Subject to (b), below, the operator of a public bathing facility shall conduct tests for disinfectant residual and pH prior to opening the public bathing facility to the public and every 4 hours during operation.

(b) The operator of a common interest bathing facility that uses automated chemical controllers for both pH and disinfectant shall test for disinfectant residual and pH at least once a day.

(c) The operator shall use a water quality testing kit with unexpired reagents, such as diethylphenylene diamine (DPD) and phenol red, capable of testing for free and total chlorine or bromine and pH. The method used in determining the free available chlorine shall be such that the combined chlorine or other oxidizers that may be present in the pool do not affect the determination.

(d) The operator shall test a heated public bathing facility for temperature prior to use and every 4 hours during operation.

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

- (e) The operator shall record all test results on a dated daily log.
- (f) Tests shall be conducted:
 - (1) At the deep end and shallow end of a public bathing facility which is 10,000 gallons or greater; and
 - (2) At one location in a public bathing facility which is less than 10,000 gallons.
- (g) Each time that the filter is backwashed or the cartridge filter is replaced, the operator shall record the activity on the daily log.
- (h) Each time that a spa is emptied and cleaned, the operator shall record the activity on the daily log.
- (i) The operator shall record all operation problems on the daily log.
- (j) The operator shall record on the daily log:
 - (1) All fecal accidents;
 - (2) All vomit accidents; and
 - (3) All actions taken to address the fecal and vomit accidents.
- (k) The operator of a public bathing facility shall maintain-daily logs for the public bathing facility for a rolling 12-months period and shall make the records available to the department and patrons of the public bathing facility upon request.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1104.02 Supervision.

- (a) The owner shall allow public use of public bathing facility only when an operator is available to respond to equipment malfunctions and other emergencies within 20 minutes of being notified by patrons or the owner of the malfunction or emergency.
- (b) The operator designated by the owner pursuant to (a), above, shall:
 - (1) Maintain the quality of the water at the facility; and
 - (2) Have access to and be knowledgeable of the public bathing facility circulation and disinfection systems.
- (c) If a lifeguard or other individual to enforce safety standards will not be present at a public bathing facility, the owner shall post a sign at all access points notifying patrons of the absence of a lifeguard.
- (d) A common interest bathing place shall be monitored by a lifeguard or operator at the discretion of the owner(s) of the common interest bathing facility. In the absence of a lifeguard or operator, the owner(s) shall post a sign at all access points notifying patrons of the absence of a lifeguard or operator, as applicable.

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

(e) A designated beach or flow-through bathing place shall be monitored by a lifeguard or operator at the discretion of the owner of said bathing place. In the absence of a lifeguard or operator, the owner post a sign at all access points notifying patrons of the absence of a lifeguard or operator, as applicable.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1104.03 Safety.

(a) Subject to (b), below, the owner of a public bathing facility shall post conspicuously-displayed signs informing patrons of the safety rules developed by the bathing facility management, which shall include the following:

- (1) Patrons with any communicable disease shall not enter the water of a public bathing facility;
- (2) Patrons shall not discharge any bodily fluids into the water of a public bathing facility;
- (3) Patrons shall not bring or throw into the water of a public bathing facility any object that may in any way carry contamination or otherwise endanger the safety of bathers;
- (4) Patrons shall not spit in or in any other way contaminate the water, floors, walkways, aisles, or dressing rooms of a public bathing facility;
- (5) Bathers shall take a cleansing shower before entering the water of a public bathing facility;
- (6) Patrons shall not run or engage in boisterous rough play in the bathing area;
- (7) Patrons shall not bring food or drink into the water of a public bathing facility or within 4 feet of its edge; and
- (8) Patrons shall not have glass containers in the water of a public bathing facility or on the deck or in the bathhouse associated with the public bathing facility.

(b) The owner of a common interest bathing place, designated beach, or flow-through bathing place shall, at the owner's discretion, post conspicuously-displayed signs informing patrons of any safety rules developed by the owner.

(c) Subject to (d), below, the owner of a public bathing facility shall ensure that a telephone or radio capable of reaching emergency services shall be located within 200 feet of the water of the public bathing facility.

(d) The owner of a common interest bathing place, designated beach, or flow-through bathing place shall ensure that:

- (1) A telephone or radio capable of reaching emergency services is located within 200 feet of the water; or
- (2) If a telephone or radio capable of reaching emergency services is not located within 200 feet of the water, then a sign is posted informing patrons of the location of the nearest public telephone or radio capable of reaching emergency services.

(e) The signs required by (a), above, shall provide the location of the telephone or radio required by (c), above.

(f) The owner of a spa shall include the following safety rules on the signs posted pursuant to (a), above:

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

- (1) Patrons shall not use a public spa alone unless permitted by the operator or owner;
 - (2) Patrons shall not use a public spa if under the influence of alcohol, anticoagulants, antihistamines, vasoconstrictors, vasodilators, stimulants, hypnotics, narcotics, or tranquilizers;
 - (3) Patrons who are elderly, pregnant or suffering from heart disease, diabetes, or high or low blood pressure shall not use a public spa without obtaining permission from their physician;
 - (4) Unsupervised children under 14 years of age shall not use a public spa;
 - (5) Bathers shall not use body oils or lotions; and
 - (6) Bathers shall not use a public spa for longer than a 10-minute immersion without a break period for cooling off.
- (g) A functioning clock shall be visible from all public spas.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1104.04 Emergency Rescue Equipment.

(a) Subject to (b), below, the owner of a public bathing facility shall provide the following emergency rescue equipment at the public bathing facility:

- (1) A light, strong pole not less than 12 feet long to which a body hook has been affixed; and
- (2) A flotation device capable of supporting an adult, with a throwing/retrieval line, which shall be a rope at least one-quarter inch in diameter and one-half the maximum width of the pool or 50 feet in length, whichever is less.

(b) The owner of a common interest bathing place or flow-through bathing place shall:

- (1) Provide the emergency equipment identified in (a), above; or
- (2) Prominently post at least one sign that clearly states that no emergency rescue equipment is available.

(c) The owner of a designated beach shall:

- (1) Provide emergency rescue equipment such as a rescue board, rescue tube or ring, or other emergency rescue equipment deemed appropriate by the owner; or
- (2) Prominently post at least one sign that clearly states that no emergency rescue equipment is available.

Env-Wq 1104.05 Outlet Grates. The owner of a public bathing facility shall not allow bathers to use the facility if an outlet grate is missing, broken, or secured in such a way that it can be removed without the use of tools.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

PART Env-Wq 1105 DESIGN FEATURES, WATER QUALITY STANDARDS, AND OPERATION REQUIREMENTS FOR PUBLIC BATHING PLACES

Env-Wq 1105.01 Showers. The owner of a public bathing facility shall provide shower facilities to the patrons of the public bathing facility, as specified below:

- (a) One shower for every 40 swimming pool bathers shall be provided;
- (b) A minimum of one shower for each spa shall be provided; and
- (c) Showers shall be of such design that a mixture of hot and cold water that will not scald patrons can be obtained through a mixing valve.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.02 Towels. If towels are provided for public use at a public bathing place, the owner shall ensure that all such towels are maintained in a sanitary manner by:

- (a) Washing and disinfecting or machine drying the towels after each use; and
- (b) Storing the towels in a sanitary location.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.03 Dressing Rooms. The owner of a public bathing place shall ensure that any dressing rooms provided for use by patrons shall be kept free of visible dirt and debris.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.04 Toilets.

- (a) Subject to (b), below, the owner of a public bathing facility shall provide toilet facilities as follows:
 - (1) The toilet facilities shall be located within 200 feet of the water of the public bathing facility for use immediately before entering the water;
 - (2) Separate toilet facilities shall be provided for each gender; and
 - (3) One toilet and one urinal for every 60 males and one toilet for every 40 females shall be provided.
- (b) The owner of a common interest bathing place, designated beach, or flow-through bathing place shall provide toilets at the owner's discretion, subject to the following:
 - (1) If one or more portable or chemical toilets are to be used, they shall be installed in such a way that they can not be tipped over; and
 - (2) The toilets shall be within 200 feet of the water, provided however that if toilets cannot be installed within 200 feet of the water due to unique topography, the toilets shall be placed as close to the water as practicable.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.05 Trash Receptacles.

(a) The owner of a public bathing facility shall provide enclosed trash receptacles in all dressing rooms, toilet areas, and bathing areas.

(b) The owner of a designated beach wherein patrons are responsible for carrying out their own trash shall provide enclosed trash receptacles in all dressing rooms and toilet areas.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.06 Food and Drink Prohibited in the Bathing Area. The owner of a public bathing facility shall not allow food or drink in the water of the public bathing facility or within 4 feet of the edge of the water.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.07 Security Fencing; Deck Areas.

(a) Subject to (c), below, the owner of a public bathing facility shall provide security fencing as follows:

- (1) All outdoor public bathing facilities shall have a wall, fence, or other enclosure constructed around the entire facility;
- (2) The entire wall, fence, or other enclosure, including doors and gates, shall be at least 4 feet high measured on the inside and outside;
- (3) The wall, fence, or other enclosure shall be constructed so as to prevent passage through it; and
- (4) All gates shall be self-closing and self-latching.

(b) The owner of a public bathing facility shall provide a deck area between the water and the fence or enclosure in accordance with the following:

- (1) The deck area shall be a minimum of 4 feet wide;
- (2) The deck area shall slope away from the pool no less than 1/4 inch per foot and no more than 1/2 inch per foot, such that standing water shall be no deeper than 1/8 inch, 20 minutes after the cessation of the addition of water to the deck; and
- (3) The surface of the deck shall be of a slip-resistant textured finish.

(c) The owner of a common interest bathing place, designated beach, or flow-through bathing place shall provide security fencing at the owner's discretion, provided however that any fencing provided shall comply with the specifications in (a)(2)-(4), above.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.08 Cross-Connection Control. The owner of a public bathing facility shall ensure that:

(a) Water service to the public bathing facility shall be protected against backflow and back siphonage;

(b) Water introduced to the facility either directly or through the circulation system shall be supplied through an air gap of at least 6 inches; and

(c) Vacuum breaker backflow preventers shall be installed prior to all hose bibs servicing the public bathing facility.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.09 Deck Cleaning. The owner of a public bathing facility shall ensure that:

- (a) The deck area shall be maintained to be free of litter and visible dirt; and
- (b) Hose bibs with vacuum breakers shall be provided to flush the deck areas.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.10 Water Quality Standards for Public Bathing Facilities.

(a) The owner of a public bathing facility shall ensure that the water in the public bathing facility meets the following bacteriological standards:

- (1) Less than one total coliform bacteria count per 100 milliliters of water;
- (2) Less than 200 non-coliform bacteria counts per 100 milliliters of water;
- (3) Less than one Pseudomonas aeruginosa counts per 100 milliliters; and
- (4) Less than 200 heterotrophic bacteria colony forming units per one milliliter of water.

(b) The owner of a public bathing facility shall not allow bathers to use the public bathing facility unless the water therein meets the following chemical and physical standards:

- (1) The pH shall be between 7.0 and 7.8;
- (2) Clarity shall be such that the main drains are clearly visible at all times;
- (3) Heated swimming, wading, and special recreation pool water temperature shall not exceed 89°F (32°C);
- (4) Heated therapy pool and spa water temperature shall not exceed 104°F (40°C);
- (5) Turbidity shall not exceed 2 nephelometric turbidity units (NTU);
- (6) For swimming, wading, and special recreation pool water:
 - a. The free available chlorine level shall be 1 to 5 mg/L; or
 - b. The free available bromine level shall be 2 to 10 mg/L;
- (7) For therapy pool and spa water, the free available chlorine or free available bromine level shall be 2 to 10 mg/L;
- (8) The combined chlorine level shall not exceed 0.5 mg/L;
- (9) If the oxidation reduction potential (ORP) is measured, it shall be no less than 650 mV;
- (10) The cyanuric acid level shall not exceed 100 mg/L; and

(11) The total alkalinity shall be 60 to 180 mg/L.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.11 Water Quality Standards for Designated Beaches.

(a) As established by RSA 485-A:8, a designated beach shall be considered unsafe for public use:

(1) The standard specified in (b)(1) or (c)(1), below, as applicable, is exceeded by 70 counts in any one sample or by any amount in 2 or more samples taken during the same sampling event; or

(2) The standard specified in (b)(2) or (c)(2), below, as applicable, is exceeded in 3 samples over a 60-day period.

(b) For freshwater beaches, the standards shall be:

(1) For purposes of (a)(1), above, E. coli bacteria are present in numbers greater than 88 counts/100 mL of water; or

(2) For purposes of (a)(2), above, E. coli bacteria are present in numbers greater than a geometric mean of 47 counts/100 mL of water.

(c) For saltwater beaches, the standards shall be:

(1) For purposes of (a)(1), above, Enterococci bacteria are present in numbers greater than 104 counts/100 mL of water; or

(2) For purposes of (a)(2), above, Enterococci bacteria are present in numbers greater than a geometric mean of 35 counts/100 of water.

(d) If test results exceed the applicable standard in (a) - (c), above, the owner shall:

(1) Retest for bacteria; and

(2) Post a bacteria advisory provided by the department.

(e) The owner shall post a cyanobacteria advisory provided by the department whenever a toxic cyanobacteria scum is present in the bathing area that is dominant and represents more than 50% of the algal cell count.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.12 Public Bathing Facility Circulation.

(a) The owner of a public bathing facility shall not allow bathers into the water of the facility unless all pumps, filters, disinfectant feeders, flow indicators, gauges, and all related components of the recirculation system are operated:

(1) One turnover time prior to use; and

(2) Continuously when the public bathing facility is open for use.

(b) Circulation shall be adequate to maintain water quality standards as specified in Env-Wq 1105.10.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.13 Filter Cleaning.

(a) The owner shall change or clean and disinfect all cartridge filters when the pressure differential between the influent and effluent lines of the filter reaches 6 pounds per square inch (psi) or the manufacturer's recommended pressure differential, if less than 6 psi.

(b) If no means of measuring the pressure differential is provided, cartridge filters shall be changed or cleaned and disinfected at least once per day.

(c) Cartridge filters also shall be cleaned and disinfected in a concentrated chlorine solution or replaced in response to a violation of Env-Wq 1105.10(a).

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.14 Depth Markers and Float Lines.

(a) The owner of a public bathing facility shall plainly and conspicuously mark the depth of water in feet at or above the waterline on the vertical wall of the public bathing facility and on the top of the coping or edge of the deck or walk next to the public bathing facility.

(b) Depth markers on surfaces used for walking shall be slip-resistant.

(c) Depth markers shall be installed at:

- (1) The maximum and minimum water depths;
- (2) All points of slope change; and
- (3) Intermediate increments of water depth not to exceed 2 feet, nor spaced at distances greater than 25-foot intervals.

(d) Depth markers on irregularly shaped public bathing facilities shall also designate depths at all major deviations in shape.

(e) Depth markers shall be:

- (1) At least 4 inch in height;
- (2) Of contrasting color to the background on which they are applied; and
- (3) Of a permanent nature.

(f) A public bathing facility having depths greater than 5 feet shall have a rope with attached floats placed across the bathing facility one to 2 feet from the 5-foot depth on the shallow side of the break.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.15 Water Surface Area Per Bather.

(a) The surface area of a swimming pool shall provide 27 square feet of water surface per bather.

(b) The surface area of a spa shall provide 10 square feet of water surface per bather.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1105.16 Flow-through Bathing Places.

(a) Water in flow-through bathing places shall meet the bacteriological quality requirements for Class B waters as specified in RSA 485-A:8.

(b) Water flow in a flow-through bathing places shall be a minimum of 2 gallons per minute of water flow per bather, based on the maximum expected bathing load.

(c) Water flow at the rate specified in (b), above, shall be maintained by engineered means if necessary when the bathing place is in use.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

PART Env-Wq 1106 DESIGN AND CONSTRUCTION FEATURES FOR SWIMMING POOLS

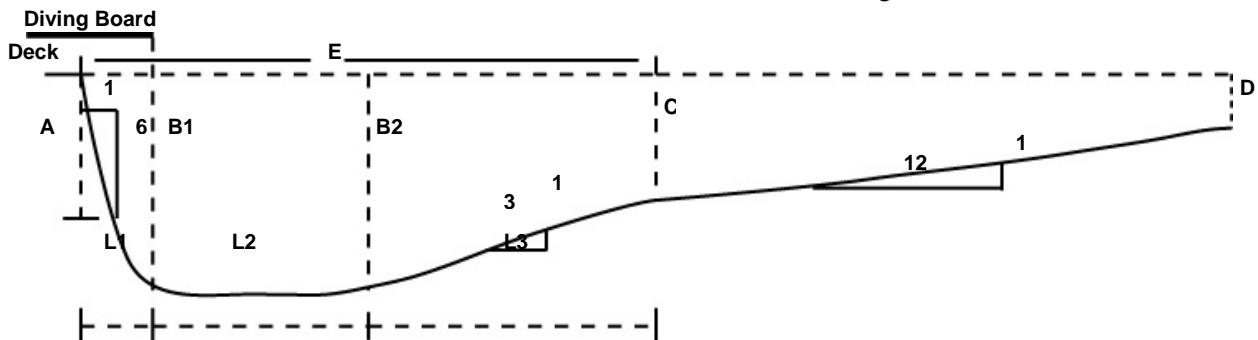
Env-Wq 1106.01 Minimum Swimming Pool Dimensions.

(a) Minimum pool dimensions shall be as shown in Table 11.6.1 and Figure 11.6.1 below:

TABLE 11.6.1 Minimum Pool Dimensions

DIVING BOARD HEIGHT	A	B1	B2	C	D	E	L1	L2	L3
No board				5'0"	2'6" to 3'6"				
Deck level (Less than 26")	6'-0"	7'0"	8'6"	5'0"	2'6" to 3'6"	22'	2'6"	8'0"	11'6"
2/3-meter (26")	6'0"	7'0"	8'6"	5'0'	2'6" to 3'6"	22'	2'6"	8'0"	11'6"
3/4-meter (30")	6'0"	7'6"	9'0"	5'0"	2'6" to 3'6"	25'	3'0"	9'0"	13'0"
1-meter	6'0"	9'0"	10'6"	5'0"	2'-6" to 3'-6"	30'	4'0"	10'0"	16'0"
3-meter	6'-0"	11'0"	12'0"	5'0"	2'-6" to 3'-6"	37'6"	6'0"	10'6"	21'0"

FIGURE 11.6.1 Minimum Pool Dimensions Diagram



NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

- (b) Distance from diving boards to side walls shall not be less than 10 feet.
- (c) Distances between diving boards shall not be less than 8 feet.
- (d) Depth “A” in Table 11.6.1 shall apply to the end and side walls of the diving area measured from the water surface.
- (e) Depth “B1” in Table 11.6.1 shall apply to the area measured from the water level at the diving board plummet.
- (f) Depth “B2” in Table 11.6.1 shall apply to the area measured from the water level at the area ahead of plummet.
- (g) Depth “C” in Table 11.6.1 shall apply to the area measured from the water level at the break point.
- (h) Depth “D” in Table 11.6.1 shall apply to the area measured from the water level at the shallow end wall.
- (i) Distance “E” in Table 11.6.1 shall apply to the area measured from the deep end wall to the break point.
- (j) Distance “L1” in Table 11.6.1 shall apply to the area measured from the deep end wall to the plummet.
- (k) Distance “L2” in Table 11.6.1 shall apply to the area measured from the plummet to ahead of the plummet.
- (l) Distance “L3” in Table 11.6.1 shall apply to the area measured from ahead of the plummet to the break point.
- (m) End or side walls of the diving area may be sloped as an alternative to vertical walls.
- (n) Swimming pools without diving areas shall have a floor slope not to exceed one foot vertical to 12 feet horizontal. Diving areas or diving boards shall not be permitted in these pools.
- (o) Public bathing facilities to be used for competitive diving shall refer to the standards of USA Diving, Inc. or other sanctioning body.
- (p) Public bathing facilities with starting blocks shall refer to the standards of USA Swimming or other sanctioning body.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1106.02 Materials of Construction.

- (a) Materials of construction for swimming pools shall comply with the following:
 - (1) The material shall be smooth, non-toxic, and impervious, finished concrete or concrete block, steel, or fiberglass;
 - (2) The pool bottom shall have a non-slip finish;
 - (3) Plastic liners may be used in conjunction with any of the materials in (1), above; and
 - (4) Asphalt, “black-top,” and similar materials shall not be permitted.

- (b) The pool bottom shall have a light-colored finish.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1106.03 Hydraulic Design.

- (a) Return inlets shall be in accordance with the following provisions:

- (1) Inlet spacing shall be a maximum of 20 feet, inlet to inlet, around the periphery of the pool or evenly spaced in the pool bottom;
- (2) Inlets shall provide for uniform circulation and uniform disinfectant residual; and
- (3) Return inlet(s) from the circulation system shall be designed so as not to constitute a hazard to the user.

- (b) Suction outlets shall be in accordance with the following provisions:

- (1) A dual main drain shall be installed at the lowest point of the pool floor;
- (2) Each drain shall be connected to a common pipe through a tee configuration located such that the drains are hydraulically balanced;
- (3) Drains shall be at least 36 inches apart from each other;
- (4) Drain suction piping shall be sized to take 100% of the recirculation;
- (5) Normal operation flow shall be 50% through the drains and 50% through the overflow system;
- (6) Each suction outlet shall be provided with at least one of the following:
 - a. An anti-entrapment cover that complies with ASME/ANSI A112.19.8M, published 1987, reaffirmed 1996;
 - b. A 12 inch by 12 inch or larger grate which allows a maximum flow rate not to exceed 1.5 feet per second; or
 - c. Alternate designs or means for covering the outlet that produce equivalent protection against user entrapment;
- (7) Subject to (8), below, if a pool installed prior to July 28, 1997 and approved by the department has a single suction outlet or multiple suction outlets that can be isolated by valves, each suction outlet shall be protected by a safety vacuum release system that complies with ASME/ANSI A112.19.17, published 2002; and
- (8) If a pool that is subject to (7), above, is owned by a political subdivision and the political subdivision does not vote to fund the installation of the safety vacuum release system and the installation is not funded by the state, the department shall not enforce that requirement for that political subdivision.

- (c) Skimmers and gutters shall be in accordance with the following provisions:

- (1) Gutter systems shall be constructed to provide overflow return around the entire periphery of the pool;

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

- (2) There shall be one skimmer for 800 square feet of pool surface or fraction thereof and no less than 2 skimmers total;
- (3) Skimmers shall be located on the downwind side, based on prevailing winds;
- (4) All skimmers shall:
 - a. Be equipped with an equalizer pipe at least 2 inches in diameter and located at least one foot below the lowest level of the weir; and
 - b. Have the equalizer so designed as to open when a differential in head of 4 inches or more occurs between actual water level and maximum water level as determined by weir lip elevation;
- (5) Skimmer systems shall be allowed on pools over 1,800 square feet in area, provided that:
 - a. At least 50 percent of pool water can be returned via the skimmers; and
 - b. Skimmer location relative to inlets achieves effective skimming.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1106.04 Filter Requirements.

- (a) All filter systems shall include the following:
 - (1) Strainers;
 - (2) A flow meter; and
 - (3) A set of instructions for the operation and maintenance of the system.
- (b) Pressure-type sand filters shall comply with the following:
 - (1) For low-rate rapid sand filters, the flow rate shall not exceed 3 gallons per minute per square foot of filter area;
 - (2) Low rate rapid sand filter media shall have an effective size of 0.40 to 0.55 millimeters, and a uniform size coefficient of 1.45 to 1.75;
 - (3) For high-rate rapid sand filters, the flow rate shall not exceed 15 gallons per minute per square foot of filter area;
 - (4) Filter media for high rate filters shall be 0.35 to 0.45 millimeters, with a uniform coefficient of 1.45 to 1.70;
 - (5) Filter gravel shall be 1/8 to 1/4 inches in size;
 - (6) Back wash flow rates shall be 10 to 15 gallons per minute per square foot of filter area; and
 - (7) Sand depth shall be a minimum of 24 inches.
- (c) Diatomaceous earth pressure or suction filters shall comply with the following:
 - (1) The flow rate shall not exceed 2.0 gallons per minute per square foot of filter area; and

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

(2) Filter piping shall provide for recirculation through the filter only or be capable of selection to discharge to waste.

(d) For cartridge-type filters, filter flow rates shall not exceed 0.375 gallons per minute per square foot of filter media.

(e) Filter backwash and wastewater disposal shall be as follows:

(1) The disposal of sanitary sewage shall be into a sanitary sewer or septic tank system;

(2) Backwash water shall be discharged into a sanitary sewer through an air gap of not less than one inch or a subsurface disposal system such as a dry well; and

(3) When a public bathing facility is drained by discharge to a municipal sewer, the free disinfectant residual shall not exceed 3 mg/L chlorine or bromine.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1106.05 Disinfection.

(a) Disinfection feed shall be by:

(1) A positive displacement pump type unit providing hypochlorination; or

(2) A unit that controls the rate of hypochlorite or bromine tablet erosion.

(b) The disinfection unit shall be capable of feeding at a rate to permit a free residual chlorine concentration of 10 mg/L or a free residual bromine concentration of 22.5 mg/L to be maintained in the pool.

(c) Gaseous chlorine shall not be permitted as a disinfection method.

(d) Stabilized chlorine shall not be permitted for indoor facilities.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1106.06 Turn-over Rates.

(a) Any swimming pool with an average water depth of greater than 4 feet shall have a minimum recirculation flow rate of one pool water turnover per 8 hours.

(b) Any swimming pool with an average water depth of 4 feet or less shall have a minimum recirculation flow rate of one pool water turnover per 6 hours.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

PART Env-Wq 1107 DESIGN AND CONSTRUCTION FEATURES FOR SPAS

Env-Wq 1107.01 Minimum Spa Dimensions.

(a) The maximum water depth of a spa shall be 4 feet measured from the water line.

(b) The maximum depth of any seat or bench in a spa shall be 2 feet measured from the water line.

(c) The floor slope of a spa shall not exceed one foot in 12 feet.

(d) Spas shall be provided with suitable handholds around their perimeter in areas where water depths exceed 3 feet 6 inches.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1107.02 Materials of Construction.

(a) The selection of all materials for components and accessories to be used in and around spas shall be such that all parts with external surfaces and edges that may come in contact with the user are assembled, arranged, and finished so that they will not constitute a cutting, pinching, puncturing, or abrasion hazard under casual contact.

(b) The selection of component and accessory materials to be used in and around spas shall be such that the assembled and installed product shall not be toxic to man or harmful to the environment and shall be chemically compatible with the materials and environment contacted under intended use.

(c) Spa surfaces shall be smooth, abrasion free, readily cleanable, and slip-resistant where intended for footing.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1107.03 Spa Inlets and Outlets.

(a) Inlets and drains for spas shall provide for uniform circulation and uniform disinfectant residual.

(b) One inlet shall be provided for each 20 feet of spa perimeter, with a minimum of 2 inlets.

(c) A minimum of 2 drain outlets shall be provided for each pump in the circulation system.

(d) The outlets shall be:

(1) Separated by a minimum of 3 feet or located on 2 different planes;

(2) Plumbed such that water is drawn through them simultaneously through a common line to the pump;

(3) Provided with a cover that complies with ASME/ANSI A112.19.8M, published 1987, reaffirmed 1996; and

(4) Plumbed such that each outlet is protected by a safety vacuum release system that complies with ASME/ANSI A112.19.17, published 2002.

(e) If the circulation system on a spa installed prior to the 2005 effective date of this chapter does not comply with (a) through (d), above, the owner shall replace or retrofit the spa to comply with the requirements of (a) through (d), above, no later than December 31, 2010.

(f) The total velocity through drainage grate openings shall not exceed 1.5 feet per second.

(g) Piping of the drain outlet shall be capable of 100% of the recirculation.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1107.04 Spa Recirculation Systems.

- (a) A spa shall be operated with a continuous overflow.
- (b) The recirculation systems of a spa shall be separate from that of any companion swimming pool(s).
- (c) The recirculation system of a spa shall maintain water quality to the standards of Env-Wq 1105.10.
- (d) Where surface skimmers are used, the flow rate through the skimmers shall be designed to provide 50-80% of the total turnover rate with a maximum flow through any single skimmer of 30 gallons per minute.
- (e) The minimum acceptable width for the intake throat of a skimmer, measured at the weir location, shall be 5 inches.
- (f) Where surface skimmers are used as the sole overflow system, one surface skimmer shall be provided for each 100 square feet or fraction thereof of the spa's surface area.
- (g) When 2 or more skimmers are used in a spa, they shall be located so as to maintain effective skimming action over the entire surface area of the spa.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1107.05 Spa Filter Requirements.

- (a) The filter system for a spa shall meet the same requirements as specified in Env-Wq 1106.04.
- (b) A spa shall have a filtration system with piping, pumps, filters, disinfection and other equipment which maintain water quality to the standards of Env-Wq 1105.10.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1107.06 Disinfection. A spa shall meet the same disinfection requirements as specified in Env-Wq 1106.05.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1107.07 Turn-over Rate. A spa shall be operated so as to recirculate, filter, and disinfect the entire volume of spa water no less than once every 30 minutes.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

PART Env-Wq 1108 DESIGN AND CONSTRUCTION FEATURES FOR WADING POOLS

Env-Wq 1108.01 Minimum Wading Pool Dimensions.

- (a) The maximum water depth of a wading pool shall be 2 feet measured from the water line.
- (b) The floor slope of a wading pool shall not exceed one foot in 12 feet.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1108.02 Materials of Construction.

(a) The selection of all materials for components and accessories to be used in and around wading pools shall be such that all parts with external surfaces and edges that may come in contact with the user are assembled, arranged, and finished so that they will not constitute a cutting, pinching, puncturing, or abrasion hazard under casual contact.

(b) The selection of component and accessory materials to be used in and around wading pools shall be such that the assembled and installed product shall not be toxic to man or harmful to the environment and shall be chemically compatible with the materials and environment contacted under intended use.

(c) Wading pool surfaces shall be smooth, abrasion free, readily cleanable, and slip-resistant.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1108.03 Wading Pool Inlets and Outlets.

(a) Non-circulated wading pools shall not be permitted.

(b) Inlets and drains for wading pools shall provide for uniform circulation and uniform disinfectant residual.

(c) One inlet shall be provided for each 20 feet of wading pool perimeter, with a minimum of 2 inlets.

(d) A minimum of 2 drain outlets shall be provided for each pump in the circulation system.

(e) The outlets shall be:

(1) Separated by a minimum of 3 feet or located on 2 different planes;

(2) Plumbed such that water is drawn through them simultaneously through a common line to the pump;

(3) Provided with a cover that complies with ASME/ANSI A112.19.8M, published 1987, reaffirmed 1996; and

(4) Plumbed such that each outlet is protected by a safety vacuum release system that complies with ASME/ANSI A112.19.17, published 2002.

(f) The total velocity through drainage grate openings shall not exceed 1.5 feet per second.

(g) Piping of the drain outlet shall be capable of 100% of the recirculation.

(h) If the circulation system on a wading pool installed prior to the 2005 effective date of this chapter does not comply with (a) through (g), above, the owner shall close the wading pool until such time as the requirements of (a) through (g), above, are met.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1108.04 Wading Pool Recirculation Systems.

(a) The recirculation system of a wading pool shall be separate from that of any companion swimming pool(s).

(b) Where surface skimmers are used, the flow rate through the skimmers shall be designed to provide 50-80% of the total turnover rate with a maximum flow through any single skimmer of 30 gallons per minute.

(c) The minimum acceptable width for the intake throat of a skimmer, measured at the weir location, shall be 5 inches.

(d) Where surface skimmers are used as the sole overflow system, one surface skimmer shall be provided for each 100 square feet or fraction thereof of the wading pool's surface area.

(e) When 2 or more skimmers are used in a wading pool, they shall be located so as to maintain effective skimming action over the entire surface area of the wading pool.

(f) The recirculation system shall maintain wading pool water quality in accordance with Env-Wq 1105.10.

(g) Recreational features such as small slides and toy animals placed within a wading pool shall not interfere with the proper water circulation in the wading pool.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1108.05 Wading Pool Filter Requirements

(a) The filter system for a wading pool shall meet the same standards as specified in Env-Wq 1106.04.

(b) The filtration system shall maintain wading pool water quality in accordance with Env-Wq 1105.10.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1108.06 Disinfection. Wading pools shall meet the same disinfection requirements as specified in Env-Wq 1106.05.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1108.07 Turn-over Rate.

(a) Any wading pool with a maximum water depth greater than 12 inches shall have a minimum recirculation flow rate of one pool water turnover per 4 hours.

(b) Any wading pool with a maximum water depth 12 inches or less shall have a minimum recirculation flow rate of one pool water turnover per one hour.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

PART Env-Wq 1109 DESIGN AND CONSTRUCTION FEATURES FOR SPECIAL RECREATION POOLS

Env-Wq 1109.01 Special Recreation Pool Minimum Dimensions.

(a) The water depth at the end of the flume and for 20 feet minimum straight distance from the end of the flume shall be 3 feet.

(b) A non-slip entrance into and exit from the special recreation pool water shall be provided.

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

- (c) There shall be a minimum distance of 5 feet between a slide and the side wall of the receiving pool.
- (d) There shall be a minimum distance of 6 feet between slides that discharge to the same receiving pool.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1109.02 Materials of Construction. Materials for special recreation pools shall be in accordance with Env-Wq 1106.02.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1109.03 Hydraulic Design.

- (a) Hydraulic design shall be in accordance with Env-Wq 1106.03.
- (b) Slide pump intakes shall be in a reservoir separate from the receiving pool.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1109.04 Filter Requirements. Special recreation pools shall meet the same filter requirements as specified in Env-Wq 1106.04.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1109.05 Disinfection. Special recreation pools shall meet the same disinfection requirements as specified in Env-Wq 1106.05.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1109.06 Turn-over Rate. Recirculation flow rates shall be one turnover per hour.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

PART Env-Wq 1110 DESIGN AND CONSTRUCTION FEATURES FOR THERAPY POOLS

Env-Wq 1110.01 Therapy Pool Minimum Dimensions. Floor configuration may vary due to the variety of depth needs unique to the use of therapy pools.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1110.02 Materials of Construction. Materials for therapy pools shall be in accordance with Env-Wq 1106.02.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

NEW HAMPSHIRE CODE OF ADMINISTRATIVE RULES

Env-Wq 1110.03 Hydraulic Design. Hydraulic design shall be in accordance with Env-Wq 1106.03.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1110.04 Filter Requirements. Therapy pools shall meet the same filter requirements as specified in Env-Wq 1106.04.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1110.05 Disinfection. Therapy pools shall meet the same disinfection requirements as specified in Env-Wq 1106.05.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Env-Wq 1110.06 Turn-Over Rates. A therapy pool shall have a minimum recirculation flow rate of one pool water turnover per 4 hours.

Source. (See Revision Note at chapter heading for Env-Wq 1100) #8468, eff 11-1-05

Appendix

Rule Section(s)	Statutory Section(s) Implemented
Env-Wq 1100 (see also specific section below)	RSA 485-A:26
Env-Wq 1103.01	RSA 541-A:22, IV