



# MERRIMACK FIRE DEPARTMENT

432 Daniel Webster Highway • Merrimack NH 03054 • (603) 420-1730

## HEALTH DIVISION

Public Health  
Prevent. Promote. Protect.



Merrimack Health Division

### Application for a License to Operate a Public Bathing Area

NH Chapter Env-Ws 1100, RSA 485-A:26

Fill out one application for each type of pool. An Application is hereby made for a permit to operate a public, semi-public, whirlpool or wading pool or public beach. This pool is to be operated according to the New Hampshire Env-Wq 1100: Public Bathing Places regulations.

Pool Name: \_\_\_\_\_ Date: \_\_\_\_\_

Pool Address: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_

Name of Applicant: \_\_\_\_\_ Email: \_\_\_\_\_

Address of Applicant: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_

Corporate / Association / Property Management Company, list information below:

Name	Title	Home Address	Phone
_____	_____	_____	_____
_____	_____	_____	_____

Name of Certified Pool Operator: \_\_\_\_\_

Email Address of Certified Pool Operator: \_\_\_\_\_ Phone: ( ) \_\_\_\_\_

Type of Permit	Fee	
Annual Swimming Pool (Indoor)	\$ 100.00	<input type="checkbox"/>
Annual Swimming Pool (Indoor) with Special Purpose Pool/ Spa/ Whirlpool	\$ 150.00	<input type="checkbox"/>
Seasonal Swimming Pool (Outdoor)	\$ 100.00	<input type="checkbox"/>
Seasonal Swimming Pool (Outdoor) with Special Purpose Pool/ Spa/ Whirlpool	\$ 150.00	<input type="checkbox"/>
Special Purpose Pool / Spa / Whirlpool	\$ 50.00	<input type="checkbox"/>
Beach	\$ 25.00	<input type="checkbox"/>

#### Payment is due with application. Checks made payable to: Town of Merrimack

The undersigned hereby certifies that they are aware of the state of NH Regulations for Public Bathing Areas (New Hampshire Env-Wq 1100: Public Bathing Place) and that the above described public bathing area is conforming to these regulations.

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Owner  Agent

#### Pool Operations:

Days and Hours of Operation: \_\_\_\_\_

Circle the type of pool: Public      Semi-Public      Whirlpool      Wading Pool

#### Provide the Physical Dimensions:

Total Length: \_\_\_\_\_ Total Width: \_\_\_\_\_ Total Gallons: \_\_\_\_\_

Circle the correct response. Provide additional information if "other" is chosen.

Water Source:	Public	Private	Other: _____	
Sewage Disposal:	Public	Private	Other: _____	
Water Disposal:	Public	Private	Other: _____	
Pool Finish:	Tile	Gunitite	Concrete	Other: _____
Deck Finish:	Tile	Gunitite	Concrete	Other: _____
Sanitizer:	Chlorine	Bromine	Other: _____	
Filtration:	DE Sep. Tank	Sand Cartridge	Other: _____	

**Minimum Flow Rate/ Gallons Per Minute**

Pool Length (L) = \_\_\_\_\_

Pool Width (W) = \_\_\_\_\_

Pool Depth (D)\* = \_\_\_\_\_

\* If pool is sloped, find the average depth  
 Average Depth = (Shallow + Deep) ÷ 2  
  
Example:  
 Deepest portion of pool = 10 feet  
 Shallow portion of pool = 4 feet  
 Average Depth = (10 feet + 4 feet) ÷ 2 = 7 feet

1. Calculate Pool Volume:

$$\underline{L} \times \underline{W} \times \underline{D} \times \underline{7.48} \text{ (gallons/cubic foot)} = \underline{\text{Pool Volume in Gallons}}$$

$$\frac{\text{Pool Length}}{\text{Pool Length}} \times \frac{\text{Pool Width}}{\text{Pool Width}} \times \frac{\text{Pool Depth}}{\text{Pool Depth}} \times 7.48 = \frac{\text{Pool Volume in Gallons}}{\text{Pool Volume in Gallons}}$$

2. Determine preferred Turnover Time for Pools and Whirlpools in hours:

Swimming Pools: **8 Hours**  
 Wading Pools: **4 Hours**  
 Special Purpose Pools (Spas/Whirlpools): **0.5 Hours**

3. Determine **Minimum Flow Rate**:

$$\frac{\underline{\text{Pool Volume}}}{\underline{\text{Turnover Time in hours}}} \div 60 \text{ minutes} = \underline{\text{Minimum Flow Rate}}$$
  
 (8 hours swimming pool, 4 wading pool,  
 0.5 hours special purpose pool (whirlpool))

$$\frac{\text{Pool Volume in Gallons}}{\text{Turnover Time, either 8, 6 or 0.5 hours}} \div 60 = \text{Minimum Flow Rate}$$