



TOWN OF FREMONT, NH  
SWIMMING POOL INFORMATION SHEET



***Drowning is the 2<sup>nd</sup> leading cause of accidental death in the home for children under 5 years of age!***

*A swimming pool shall not be constructed, installed, enlarged or altered until construction documents have been submitted and a permit has been obtained from the building official. Plans sufficient to show conformance to requirements shall be submitted as part of the application.*

The pool and any associated equipment must meet the minimum lot line setbacks.

The pool cannot be placed over the septic tank or the over leach field.

This information sheet for swimming pools applies only to outdoor residential dwelling units (single family, two-family or one-family townhouse). Additional provisions may apply for other applications. Additional provisions for indoor pools apply. Additional provisions may apply for spas and hot tubs.

Swimming pool regulations do not apply to prefabricated pools less than 24 inches deep, except where such pools might be equipped with a water re-circulating system or involve structural materials.

Electrical code compliance shall meet the following minimal standards and be in full compliance with NEC 2011, Article 680, Swimming Pools.

1. The pool motor wiring must be a minimum of 12 gauge copper and must have a green insulated equipment conductor. THWN singles must be in conduit the entire length once outside the dwelling.
2. For in-pool lighting the insulated grounding conductor must be completed to the panel box and must continue both inside and outside the dwelling.
3. No non-pool wiring underground within 5 feet of the pool.
4. The disconnecting means for all equipment must be readily accessible and within sight.
5. Bonding – **all** parts of pool structure and equipment – exception allowed for storable pools. Bonding conductor size = min. 8 AWG – must be solid, not stranded wire. A perimeter surface, a minimum of 3 feet horizontally, beyond the sides of the pool shall also be bonded.

6. The pool water shall be intentionally bonded by means of a conductive surface area not less than 9 square inches installed such as to be in contact with the water.
7. Cord-and-plug – maximum cord length 3 feet with grounding type attachment plug and copper equipment grounding conductor of not smaller than 12 AWG. Exception 25 foot length allowed for storable pools
8. All 15 – 20 amp 125 volt receptacles within 20 ft must be GFCI protected.
9. Receptacles that supply pool pump motors and that are 15-20 amp, 125v – 240v shall be GFCI protected.
10. Receptacles providing power for water-pump or other loads directly related to the pool shall be located a minimum of 10 feet from the pool or not less than 6 feet if all of the following conditions are met: receptacles must consist of a single dedicated receptacle, locking type, grounding type and GFCI protected.
11. A minimum of one (1) receptacle must be provided at least 6 feet from and not more than 20 ft from pool walls – exception where space limited may be within 5 ft. The receptacle is not to be located more 6 ft 6 inches above pool or grade.
12. GFCI protection is required for all lights greater than 5 ft and less than 10 ft from pool and less than 5 ft above horizontal line.
13. No lights less than 5 ft from pool unless 12 ft above surface – existing fixtures on structure may be ok if less than 5 ft from pool and GFCI protected and greater than 5 ft above water.
14. Any tri-plex service above or within 10 ft of pool must have 22 ft clearance.

Outdoor private swimming pools, including an in-ground, above-ground or on-ground pool, hot tub or spa shall be provided with a barrier which shall comply with the following: and as defined by Chapter 42 and Appendix G of IRC2009.

1. The top of the barrier shall be at least 48 inches above finish ground level measured on the side of the barrier which faces away from the swimming pool. The barrier must be built such as to obstruct access to the pool.
2. The maximum clearance from grade to bottom of barrier is 2 inches or if barrier is placed on the top of the pool the maximum clearance from top of pool to bottom of barrier is 4 inches.

3. When the barrier is constructed of horizontal and vertical members and the distance between the horizontal members is less than 45 inches then the vertical member spacing must not exceed 1.75 inches or when horizontal construction is more than 45 inches between horizontal members the vertical spacing must not exceed 4 inches. The horizontal members must be located on the pool side of the barrier.
4. Maximum mesh size for chain link fence shall be a 2 ¼ inch square unless the fence is provided with slats fastened at the top or the bottom reducing the openings to not more than 1 ¾ inches.
5. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not more than 1 ¾ inches.
6. Access gates shall comply with the requirements of items 1 through 5 above, and shall be equipped to accommodate a locking device.
7. Access gates shall open outwards away from the pool and shall be self-closing and have a self-latching device.
8. Gate release mechanisms must be greater than 54 inches from grade or release mechanisms must be placed on the pool side at least 3 inches below top of gate and there can be no openings greater than 1/2 inch within 18 inches of the release mechanism
9. Where a wall of a dwelling serves as part of the barrier, one of the following shall apply:
  - a. All doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and its screen, if present, are open. (30 seconds continuous – automatically resetting – 15 second deactivation is allowed with control at least 54 inches from floor) or
  - b. the pool shall be equipped with an approved power safety cover.
10. Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a fixed or removable ladder or steps, the ladder or steps shall be surrounded by a barrier which meets the requirements of items 1 through 8 above or the ladder or steps shall be capable of being secured, locked or removed.

Permanent structures, equipment, or similar objects are not to be located so as to provide access or allow climbing upon any of the pool barrier or otherwise lessen the protection provided by the barrier; this would include the creation of any ground contours constructed such as to allow for any decreased barrier protection.

It is highly recommended that the barrier and electric planning be submitted and reviewed with your application prior to proceeding with the installation. These are minimum requirements and are not subject to waivers.