

Town Of Augusta

Codes Department



Requirements for Pool Permit

1. Building Permit form filled out.
2. Copy of installer's workman compensation coverage.
3. Approved mandated pool alarm system.
4. Pool construction site to be secured with temporary fencing during construction.
5. Electrical inspection certificate from 3rd party inspection agency for all wiring.
6. Permanent fencing and locking gates as required by codes.
7. Final inspection **Before** pool is used.

Brief Summary of Requirements Swimming Pool and Spa Alarm:

Every swimming pool that is installed, constructed or substantially modified after December 14, 2006, must be equipped with an approved pool alarm which:

- is capable of detecting a person entering the water at any point on the surface of the pool and giving an audible alarm to provide detection capability at every point on the surface of a swimming pool, it may be necessary to install more than one pool alarm
- is audible poolside and at another location on the premises where the swimming pool is located
- is not an alarm device which is located on a person, or which is dependent on a device located on a person for its proper operation
- meets ASTM F2208

Brief Summary of Barrier Requirements for Outdoor Residential Swimming Pools:

- The barrier must completely surround the swimming pool and must obstruct access to the swimming pool.
- The barrier must be at least 4 feet (48 inches) high.
- In the case of an above-ground pool, the barrier may be at ground level or mounted on top of the pool structure; however, if the barrier is mounted on top of the pool structure, the space between the top of the pool structure and the bottom of the barrier cannot exceed 4 inches.
- A building wall can form part of the required barrier. However, where a wall of a dwelling serves as part of the barrier, at least one of the following requirements must be satisfied:
 - the pool must be equipped with a powered safety cover
 - all doors with direct access to the pool through that wall must be equipped with an alarm or other means of protection, such as self-closing doors with self-latching devices, which are approved by the governing body
- In the case of an above-ground pool, the pool structure itself can serve as a part of the required barrier, provided that the pool structure is sufficiently rigid to obstruct access to the pool. However, 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 ladder or steps, then:
 - the ladder or steps shall be capable of being secured, locked or removed to prevent access, or the ladder or steps shall be surrounded by a barrier
 - when the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4-inch-diameter sphere.
 - Barriers shall be located so as to prohibit permanent structures, equipment or similar objects from being used to climb the barriers

Brief Summary of Requirements for Temporary Barriers:

During the installation or construction of a swimming pool, the pool must be ENTIRELY enclosed by a temporary barrier. The temporary barrier may be a temporary fence, a permanent fence, the wall of a permanent structure, any other structure, or any combination of those. However, the temporary barrier must:

- be at least four (4) feet high
- prevent access to the swimming pool by any person not installing or constructing the pool
- remain in place until a permanent pool barrier is provided
- be replaced by a permanent pool barrier within either:
 - 90 days of the date of issuance of the building permit for the installation or construction of the swimming pool; or
 - 90 days of the date of commencement of the installation or construction of the swimming pool.

The code enforcement official may extend the time period to complete the permanent barrier for good cause, including, but not limited to, adverse weather conditions delaying construction.

There are some exceptions to the requirement for temporary pool barriers:

- Above-ground or on-ground pools where the pool structure itself serves as the barrier
- Spas or hot tubs with a safety cover, as long as the safety cover remains in place during the installation or construction
 - The safety cover can be removed temporarily for the installation or construction of the hot tub or spa if at least one person engaged in the installation or construction is present

PERMANENTLY INSTALLED SWIMMING POOLS

ELECTRICAL WIRING REQUIREMENTS

2008 National Electrical Code / 2010 Residential Code of New York State

www.InspectNY.com/codes

PERMANENTLY INSTALLED SWIMMING POOLS ARE THOSE THAT ARE CONSTRUCTED IN THE GROUND OR PARTIALLY IN THE GROUND, AND ALL OTHERS CAPABLE OF HOLDING WATER WITH A DEPTH GREATER THAN 42 INCHES (1067 MM)

1) Pool Pump Receptacle (Outlet) and Wiring Method

- a. If a pump motor receptacle is located between 6' – 10' from the inside pool wall, the receptacle must be a single twist-lock outlet, grounded, and Ground Fault Circuit Interrupter (GFCI) protected.
- b. Receptacle must have a weatherproof cover that can be closed when the cord is plugged in. (In-use type cover)
- c. An Automatic Timer (Time Switch) must be installed on swimming pool pumps.
- d. The circuit line for the pump motor must be a continuous line going directly to the panel box, and is to be isolated from all other receptacles.
- e. Wire for the pump motor shall not be less than #12 AWG insulated copper grounded wire, and must be in conduit. (except when entering a building the wire can change to NM) (Cannot use NM wire in conduit)
- f. Conduit
 - i. PVC – All PVC conduit* must be buried at least 18" deep (12" if GFCI protected)
 - ii. Metal – All Rigid Metal Conduit* must be at least 6" deep

* Wires used in conduit must be single strand wires (ex: THWN, etc - NO NM or UF CABLE in Conduit)

2) Convenience Receptacle (Outlet) and Wiring Method

- a. At least one (1) 15- or 20-ampere convenience receptacle must be located not closer than 6' but not further than 20' from the outside pool wall (Can be existing and/or wired with any approved wiring method)
- b. Convenience receptacle must be Ground Fault Circuit Interrupter (GFCI) protected.
- c. Must have a weatherproof cover where exposed to the weather (In-use type cover required on used, unattended, receptacles in wet locations)
- d. Must be separate from the pool pump receptacle wiring.
- e. Wiring
 - i. UF cable if buried must be at least 24" deep
 - ii. PVC – All PVC conduit* must be buried at least 18" deep (12" if GFCI protected)
 - iii. Metal – All Rigid Metal Conduit* must be at least 6" deep

* Wires used in conduit must be single strand wires (ex: THWN, etc - NO NM or UF CABLE in Conduit)

3) Bonding The Pool

- a. All metal parts must be bonded together using a #8 (or larger) solid copper wire.
- b. Must use non-corrosive clamps.
- c. Conductive pool shells must be bonded in a minimum of four (4) equal points uniformly spaced around the pool
- d. Nonconductive pool shells must have a #8 (or larger) solid, bare copper wire 18"-24" from the inside pool wall under the perimeter surface 4"-6" below the final grade.
- e. A minimum of nine (9) square inches of metal must be in the water to bond the water

4) Other

- a. Building Permits are required. Secure a Building Permit prior to beginning work from your municipality
- b. Pool Alarms are required (Check with your local Building Department for additional information)
- c. If a Pool Heater is present, an Automatic Timer (Time Switch) must be installed on the pool heater and must be equipped with a readily accessible on-off switch to shut off the heater without adjusting the thermostat setting.

