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Pennsylvania Uniform Construction Code SWIMMING POOL REQUIREMENT GUIDELINES

The following 4 items are required to be included with the Swimming Pool Application.

A permit is required for any swimming pool that contains water over twenty-four (24) inches in depth; including storable, blowup, PVC frame, or standard above ground pools.

1. A Plot Plan showing all setbacks must be submitted.
2. A Building and Electrical Permit Application must be completed & submitted.
3. In-Ground Pool copy of Zoning Permit
Zoning permits are required for above ground pools, decks (including concrete surrounding in-ground pools), or fences. Check with Municipal Office, provide copy of Zoning Permit.
4. A PA One Call serial number and date called are required for in-ground pools.

5. Electrical Requirements (see complete text IRC Chapter 42)

- One Additional convenience receptacle is required *between 6ft up to 20ft* from the pool and shall be GFCI protected with 'cord in-use type' (bubble type) weatherproof cover.
- Pool pump** receptacle required to be 20 amp twist lock GFCI protected with an in-use type (bubble type) Weather Proof outlet cover that closes when plug is in place (minimum 6ft from pool wall) When the **pool pump cord plug** is a strait prong type the outlet must be 10ft from pool wall
- Conduit for the pool pump outlet shall be minimum cover of 12" when the circuit is *GFCI protected* before the conduit enters the ground. **Not GFCI** protected circuit 18" burial depth.
- Pool pump receptacle shall be mounted on a post usually 4' x 4' pressure treated.
- Pool pump receptacle feed wires shall be three (3) - individual insulated copper conductors type #12 THWN-2 :: installed in PVC or metal conduit. **UF type wire not permitted for the pump outlet.** Any wiring, including existing wiring, within 5 feet of pool wall must be placed in approved type CONDUIT. Conduit must be buried at a minimum depth of 18 inches.
- Pool motor needs to be bonded to the pool metal & pool water with a #8 solid copper wire and continue to the pump motor bond lug. *Ground Rods are not required.*
- If the ladder is metal it must also be bonded to the pool bonding conductor.
New bonding requirement: Pool Water must be bonded with a metal device providing 9 sq in of water contact.
- All metal within 5' of inside wall edge of pool shall be bonded to the pool with #8 solid copper.
- Bonding connectors & bolts shall be stainless steel, brass, copper or copper alloy.

(continued)

SWIMMING POOL REQUIREMENTS

6. Fencing Requirements (see text of Appendix ' G ')

- Pool must be fenced in when in- ground or less than 48 inches above ground
- Fence must be a minimum of four (4) feet high with a self-latching and self-closing gate of a sturdy material.
- The latch must be at least fifty-four (54) inches above the ground, or at least three (3) inches below the top of the gate.
- The gate and fence shall have no opening greater than one-half (1/2) inch within eighteen (18) inches of the release mechanism.
- The gate must swing away from the pool area.
- Fence may be installed around the entire property or just the pool area, and of a type that does not encourage climbing, such as metal mesh with openings of less than two and one-quarter (2¼) inches in size, or vertical baluster-style with less than four (4) inch openings.
- Each dwelling door that directly accesses the pool area or pool deck shall be equipped with an alarm that sounds at least 30 seconds when the door is opened, and is audible throughout the dwelling.

7. Required Inspections: All pools, by state legislation, require a Use & Occupancy Certificate issued by the Inspection Agency upon compliant completion of the pool project.

Above-ground Pool

1. Final Inspection Only
 - a. Pool and Barrier / Fence must be complete
 - b. Electrical systems and metal component bonding complete

In-ground Pool

1. Pre-Pour Inspection
 - a. All rebar in-place with proper clearances to ground
 - b. Rebar bonding and equipotential bonding is complete
2. Final Inspection
 - a. Pool and Barrier / Fence must be complete
 - b. Electrical systems energized and metal component bonding complete

DO NOT SWIM IN AN INCOMPLETE AND UNINSPECTED POOL.

These instructions are informational only and do not include all possible applications.

ANY QUESTIONS PLEASE CALL TO AVOID COSTLY INSTALLATION MISTAKES!



ABOVE GROUND POOLS 2013

HOUSE

May be greater than 20 feet from pool

Call inspector if anything is not understood

Any wiring within 5 ft of pool wall must be in conduit
No wiring other than pool equipment may be inside the 5 ft boundary

ONE STANDARD GFCI OUTLET MUST BE PLACED IN THIS 6-FT TO 20FT RANGE

Lamp posts or other lighting including Low voltage lighting must be 5 ft from waters edge all electrical devices within 20 ft shall be GFCI protected

Switches and timers may also be placed in this area

THE POOL PUMP OUTLET OF THE TWIST-LOK TYPE MAY BE PLACED IN THIS 6FT TO 10FT RANGE

The Twist-lok Outlet for pump Must Be a GFCI protected circuit

NO OUTLETS MAY BE PLACED LESS THAN 6FT FROM THE POOL WALL

6ft

POOL

All pools, includes storage, holding more than 24 inches of water depth

Pools with double insulated pumps allowed longer cords & must plug into GFCI beyond the 10ft range of pool wall

Wiring to the pump receptacle outlet must have all conductors insulated including the Grounding conductor, 12/2 type UF will NOT Comply. Pool lights must be run in a separate Conduit all the way from the power source

Pump may be placed in this space but the Cord Cannot be longer than 3 feet

All device covers Must be Water Tight

6ft

#8 Copper wire bond shall be connected to the pump ground lug and one support member of the pool wall

A metal device or other metal of minimum 9 sq inches must be in contact with pool water and connected to bonding wire

GUARDING REQUIRED

All areas of the pool wall top cap must be 48 inches or greater above the grade level when standing within 30 inches in width at pool side OR a fence or other barrier must be installed to increase the height to 48 inches above grade.

Stairs must be removable or lockable in a non-useable position or self-closing & latching gates.

20ft

10ft