STORABLE SWIMMING POOLS
ELECTRICAL & BARRIER REQUIREMENTS

Community Development Department of USC Township

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STORABLE POOLS ARE THOSE THAT ARE CONSTRUCTED ON OR ABOVE THE GROUND, AND ARE CAPABLE OF HOLDING WATER TO A MAXIMUM DEPTH OF 42 INCHES (1.0 M), OR A POOL WITH NON-METALLIC, MOLDED POLYMERIC WALLS, OR INFLATABLE FABRIC WALLS REGARDLESS OF DIMENSION. (The maximum water depth of 42" does not apply to inflatable swimming pools).

All storable pools are considered accessory structures and must meet side and rear yard setbacks.

2017 National Electrical Code (NEC)
2018 International Swimming Pool and Spa Code (ISPSC)

1) Storable Pool Pumps

a. A cord-connected pool filter must incorporate an approved system of double insulation or equivalent.
b. Cord-connected pool filter pumps must be provided with a Ground Fault Circuit Interrupter (GFCI) that is an integral part of the attached plug or located in the power supply cord within 12" of the attached plug.



2) Receptacle (Outlet) and Wiring Method for Storable Pool Pump

a. Receptacles cannot be located within 6' of the inside wall of a storable pool.
b. The receptacle must be grounded and must be Ground Fault Circuit Interrupter (GFCI) protected.
c. Receptacle must have a weatherproof cover that can be closed when the cord is plugged in. (In-use / Bubble type cover).

3) Luminaries (lights) for Storable Pools (if used)

a. Luminaries cannot have exposed metal parts and must be listed for the purpose.
b. Luminaries 15 volts or less must:
    i. Have a luminaire lamp that operates at 15 volts or less
    ii. Have an impact-resistant polymeric lens, luminaire body, and a transformer enclosure.
    iii. Have a transformer listed for swimming pools with a primary rating not over 150 volts.
c. Luminaires over 15 volts but not over 150 volts:
    i. Have an impact-resistant polymeric lens and luminaire body.
    ii. Have a Ground Fault Circuit Interrupter (GFCI) protect.



4) Other

a. Building permits are required. Secure a building permit prior to beginning work from the Community Development Department.

b. Pool alarms may be required.

c. All receptacles located within 20' of the inside walls of a storable pool wall must be Ground Fault Circuit Interrupter (GFCI) protected.

5) Protective Barriers (General requirements not all inclusive)

a. All outdoor pools, hot tubs or spas containing 24" or more of water shall be protected by a barrier which complies with the 2015 International Swimming Pool and Spa Code.
   i. Barriers shall be at least 48" from grade (The sides of above ground pools are sufficient so long as the top is 48" from grade).
   ii. Openings in barriers shall not allow the passage of a 4" sphere have a transformer listed for swimming pools with a primary rating not over 150 volts.
   iii. Gates shall be self-closing and latching.
   iv. Where walls of a dwelling serve as part of the barrier one of the following shall be provided:
      - The pool shall be equipped with a power safety cover.
      - Doors/screens with direct access shall be equipped with an audible warning device with deactivation switch 54" off of the floor.
      - Doors shall be equipped with self-closing and latching devices.
   v. Ladders or steps for above ground pools must be capable of being secured, locked or removed.
   vi. Spas and hot tubs equipped with a safety cover complying with ASTM F1346 are exempt from the barrier requirements.

6) Ladders and Stairs

a. At least one approved means of entry and exit shall be provided.

b. Ladders and stairs in the pool shall have a physical barrier to prevent children from swimming through the riser opening or behind the ladder.

c. Handrails or handholds shall be in accordance with the Pool and Spa Code.

d. Ladders or steps for above ground pools must be capable of being secured, locked or removed.

