



# STORABLE SWIMMING POOLS

## ELECTRICAL & BARRIER REQUIREMENTS

Building Code Department of North Strabane Township

[www.northstrabanetwp.com](http://www.northstrabanetwp.com)

724-745-8880 Fax 724-745-8935



**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)

**2008 National Electrical Code (NEC)**

**2012 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. Luminaries Over 15 Volts But Not Over 150 Volts:
  - i. Have an impact-resistant polymeric lens and luminaire body
  - ii. Have Ground Fault Circuit Interrupter (GFCI) protect



### 4) Other

- a. Building Permits are required. Secure a Building Permit prior to beginning work from your municipality
- b. Pool Alarms may be required (Check with your local Building Department for additional information)
- c. All receptacles located within 20' of the inside walls of a storable pool wall must be 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 2012 International Swimming Pool and Spa Code
  - i. Barriers shall be at least 48" from grade. (The sides of above ground pools is 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 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 Stars

- b. At least one approved means of entry and exit shall be provided
- c. Ladders and stairs in the pool shall have a physical barrier to prevent children from swimming through the riser opening or behind the ladder
- d. Handrails or handholds shall be in accordance with the a approved ladder type
- e. Treads and Risers shall be uniform designed in accordance with the Pool and Spa Code.
- f. Ladders or steps for above ground pools must be capable of being secured, locked or removed

