

# Clayton County Environmental Health Public Swimming Pool Program

## Clayton County Board of Health Swimming Pool Regulations

### Section -.04 Structural Design.

- (1) The structural design and materials used shall be in accordance with generally accepted good structural engineering practices.
- (2) Sand or earth shall not be permitted as an interior finish in a swimming pool or spa.
- (3) In climates subject to freezing temperatures, the pool or spa shell and appurtenances, piping, filter system, pump and motor and other components shall be designed and constructed so as to facilitate protection from damage due to freezing.
- (4) The surfaces within the pool or spa intended to provide footing for users shall be designed to provide a slip-resistant surface that is ridged, and puncture and tear resistant.
- (5) The roughness or irregularity of such surfaces shall not be constructed so as to cause injury or discomfort to the feet during normal use.
- (6) The colors, patterns or finishes of the pool interior shall not obscure the existence or presence of objects or surfaces within the pool.
- (7) Swimming pools and spas as well as all appurtenances shall be constructed of materials which are nontoxic to man and the environment; which are impervious and enduring; which can withstand the design stresses; and which will provide a watertight structure with a smooth and easily cleaned surface without cracks or joints, excluding structural joints, or to which a smooth, easily cleaned surface finish is applied or attached. Materials of manufacture for swimming pools and spas shall be capable of fulfilling the design, installation, and intended use requirements in these rules. The materials of manufacture, components and accessories used in public spas shall comply with the following:
  - (a) Plumbing: All plumbing shall be sized, installed, and maintained according to applicable State Regulations and/or local plumbing codes. Written evidence shall be provided from a licensed plumbing contractor or the plumbing inspector, as required by the local health authority, of compliance with the plumbing code.
  - (b) Electrical Systems: All electrical wiring, equipment, and installation including the grounding of pool components shall conform with the national, state and local electrical codes. Written evidence shall be provided from a licensed electrical contractor or electrical inspector, as required by the local health authority, of compliance with all electrical codes.

- (c) **Recirculation and Treatment Systems and other Components:** All recirculation and treatment system equipment and all other components such as filters, recessed automatic surface skimmers, ionizers, ozone generators, heaters, disinfection feeders, and chlorine generators must be tested and approved using the current NSF Standard Number 50, "Circulation System Components and Related Materials for Swimming Pool, Spas/Hot Tubs." If standards do not exist for a specific product, the manufacturer must work with NSF or the American National Standards Institute (ANSI) or other approved agency to develop such standards to the approval of the local health authority. Written evidence shall be provided from the designing engineer that all recirculation and treatment systems and all components used in the installation meet these standards.
  - (d) **Material Surfaces:** All material surfaces that come in contact with the user shall be finished so that they do not constitute a cutting, pinching, puncturing or abrasion hazard under casual contact and intended use. All materials shall be maintained in accordance with manufacturer's instructions.
  - (e) **Compatibility:** Combinations of different materials shall be chemically and mechanically compatible for their intended use and environment.
- (8) **Roofs or Canopies over pools or spas shall be constructed so that water run-off does not drain into the spa.**