



Georgia Department of Public Health
Environmental Health Section
Public Swimming Pools, Spas and Recreational Waterparks Program

Public Swimming Pool Construction Plan Review
Chapter 511-3-5

Pool Name: _____ Date: _____

Pool Address: _____

Contractor's Name: _____ Cert.#: _____

General Contractor or Representative who will provide Plans and Data for Items not done
by Pool Contractor (bath house, deck, fence, etc.): _____

Company Name: _____ Phone#: _____

Environmental Health Specialist: _____

I. Permit and Application Data: Permit expires one year from the date that
Construction Permit is issued. Changes to plans are approved in writing only.

_____ 1. Application submitted.

_____ 2. Waste disposal approved.

_____ 3. Plan review fee paid.

II. Pool Construction:

Volume (gallons): _____, Surface area (sq. ft.): _____,
Minimum depth: _____, Maximum depth: _____.

_____ 1. Pool surface is slip resistant, rigid, puncture and tear resistant.
Material used: _____

_____ 2. No cracks or open joints. The color of the pool surface will not obscure
the presence of objects within the pool.

_____ 3. No protrusions extensions, means of entanglement or other obstructions



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in the swimming area which can cause the entrapment or injury of the user.

- _____ 4. Maximum number of living/dwelling units in project stated on plans.
Anticipated maximum bathing load stated on plans.
Bathing load stated: _____, Allowable bathing load by Rules: _____
- _____ 5. Pool size adequate.
- _____ 6. The point of slope change of the pool from the beginners' area to the shallow area and from the shallow area to the deep area and at the points of separation of diving, slide and amusement areas are visually set apart with a rope and float line, depth markers and a 4" minimum width row of floor tile, painted line or similar color contrasting with the bottom.
- _____ 7. Bottom slopes: < 5' deep = maximum 1':12'
>5' deep = maximum 1':3'
- _____ 8. Permanent depth markings inside and outside pool at shallow end, deep end and all points of slope change (min. 4" high numbers). "NO DIVING" permanently marked on deck within 18" of water's edge (minimum 4" high letters). Numbers spaced at intermediate increments of water depth not to exceed 2', nor spaced at distances greater than 25' intervals.
- _____ 9. Diving area designed to comply with rules.
- _____ 10. Minimum of 2 egresses.
- _____ 11. Steps and ladders are non-slip, easily cleanable and comply with rules.
- _____ 12. Handrails designed to comply with rules.
- _____ 13. Steps max. 10" riser and min. 10" tread.
- _____ 14. Offset ledges and underwater seat benches comply with rules and outer 2" edges are painted with a contrasting color.



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- _____ 15. Deck minimum 4' width surrounding pool, unobstructed. Deck is minimum 4' wide behind and on sides of diving board.
- _____ 16. Deck is slip resistant and easily cleanable. Material used: _____
- _____ 17. Deck is sloped away from pool to edge of deck or deck drains.
- _____ 18. Coping is slip resistant and easily cleanable.
- _____ 19. Proper backflow protection on all connections between potable water supply and swimming pool.
- _____ 20. The over-the-rim spout, if used, is located under the diving board, adjacent to a ladder or otherwise properly shielded. The open end does not have sharp edges and does not protrude more than two inches beyond the edge of the pool.

III. Hydraulics Analysis:

_____ Hydraulics analysis reviewed and approved. (attach hydraulics analysis)

IV. Disinfection and Chemical Control:

Type of disinfection: _____

Chemical feeders

- _____ 1. Chemical feeders for disinfectants and other solutions are installed downstream from the filter and heater.
- _____ 2. If a chemical feeder has its own pump, it is installed so it introduces the gas or solution downstream from the heater and, if possible, at a position lower than the heater outlet fitting.
- _____ 3. Chemical feed pumps are wired so they cannot operate unless the filter pump is running.



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Gas Chlorination

- _____ 1. Gas chlorine is housed above grade.
- _____ 2. Ventilation is provided with louvers near the top of the enclosure and a fan in the lower part of the enclosure, capable of producing one air change per minute.
- _____ 3. Door to chlorine room opens away from pool and is equipped with a viewing window.
- _____ 4. An automatic chlorine leak detector and alarm is provided in room.
- _____ 5. All gas tanks will be secured so that they cannot tip over if bumped.
- _____ 6. A scale suitable for weighing cylinders is provided.
- _____ 7. Electrical switches for the light and fan are located outside the entrance to the room.
- _____ 8. A respirator approved by NIOSH is provided.

V. Lighting, Electrical and Heaters:

For outdoor pools used for night swimming and all indoor pools.

- _____ Enough lighting is provided to maintain at least 30 foot candles at the surface of the pool and deck areas where underwater lighting is utilized. Where underwater lighting is not provided, a minimum of 50 foot candles will be maintained at the surface of the pool and deck areas.

Pools with underwater lighting

- _____ 1. If pool has less than 800 sq.ft. of surface area, a minimum of 500 watts of underwater lighting is required.



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- _____ 2. If pool has more than 800 sq. ft. of surface area, a minimum 1.5 watts per sq. ft. of surface area is required. Lighting must be evenly spaced around the perimeter of pool.
- _____ 3. In all pools with diving areas over 1000 sq. ft. to 12 feet in depth, 2 watts per sq. ft. of surface area is required. If pool is deeper than 12 feet, at least 3 watts per sq. ft. of surface area must be provided within the diving well.

Outdoor pools with no night swimming or recreation

- _____ Lighting to produce a minimum of 10 foot candles at the surface of the pool and deck is provided. Motion detector lights are acceptable.

Other electrical requirements

- _____ 1. No switches, starters, panel boards or similar electrical equipment is located in areas readily accessible to bathers while in the pool or on the deck.
- _____ 2. No overhead wiring is within 20 feet of the pool enclosure. No electrical outlets are within 10 feet of the pool edge.

Heaters

- _____ 1. Properly sized.
- _____ 2. Heater is installed on surface that is sufficient to support it's weight when full of water.

VI. Dressing Facilities:

Required? _____ Yes, _____ No.

- _____ 1. A minimum of 2 shower heads shall be provided for the first 100 bathers of each sex. One additional shower head is provided for each additional 50 male or female users.
- _____ 2. Hot and cold water is provided.



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- _____ 3. Floors are free of joints and openings, are slip resistant and are easily cleanable. Floor drains are provided. Floors are sloped not less than ¼” per foot toward the drains.
- _____ 4. Hose bibbs (3/4”) are provided for flushing down the dressing room interior.
- _____ 5. Unless conveniently accessible elsewhere in project, lavatories and toilets shall be adjacent to pool site to equal: 1 water closet, 1 lavatory and 1 urinal for first 50 male users with 1 additional water closet, lavatory and urinal for each additional 150 male users or fraction thereof. For female users there will be 2 water closets, 2 lavatories for the first 50 female users with 1 additional water closet and lavatory provided for each additional 100 female users or fraction thereof.

VII. Safety:

- _____ 1. An approved barrier, at least 4’ above grade around the perimeter of the pool area is provided. Openings in the barrier cannot allow passage of a 4” sphere.
- _____ 2. Chain length fence and decorative cut-outs do not exceed 1 ¼” width.
- _____ 3. Access gates comply with the same requirements as barrier and have a locking device. Pedestrian gates are self-closing and self-latching. Where the self-latching device is less than 54” from the bottom of the gate, the release mechanism is located on the pool side of the gate at least 3” below the top of the gate and there is no opening greater than ½” within 18” of the release mechanism.
- _____ 4. Warning signs for “No Diving”, “WARNING – NO LIFE GUARD ON DUTY” and safety rules will be provided as required in rules.
- _____ 5. Lifesaving equipment, including a shepherd’s hook (12’ long), a ring buoy (15” diameter) with throwing rope at least ¼” diameter and 1 ½ times the width of the pool or 50’ in length, whichever is less will be provided.
- _____ 6. A hard-wired phone is available, adjacent to the pool capable of calling emergency numbers and/or 911, if available.



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VIII. Other Facilities:

_____ 1. One deck rinse shower is provided for first 50 bathers and an additional shower is provided for each additional 100 bathers.

_____ 2. At least 1 drinking fountain is available to users at the pool site.

_____ Approved, _____ Disapproved

Notes:

Construction Permit #: _____

Signature: _____
Environmental Health Specialist