



Jackson County Department of Public Health

154 Medical Park Loop • Sylva, NC 28779

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Shelley Carraway
DIRECTOR

Jackson County Department of Public Health Application to Construct, Install, Remodel or Modify a Public Swimming Pool

Plans shall be submitted on accordance with “Rules Governing Public Swimming Pools”
15A NCAC 18A .2500

Rules can be downloaded on the internet at <http://ehs.ncpublichealth.com/rules.htm>

Please complete all pages of the application, signature is required on the final page. Missing information will result in a disapproval letter.

Plans will be reviewed within 30 days of their receipt and a letter will be issued either approving or disapproving the plans. Any missing information or revised plans will need to be submitted and the Department will reply within 30 days of receipt of the revised plans/additional information.

If construction is not initiated within one year from the date of approval, the approval shall be voided.

In order for a permit to be issued upon completion of the public swimming pool, it must meet all requirements of 15A NCAC 18A .2500, regardless of any omissions or oversights during plan review. If you are unsure if a certain part of your design meets the rules please ask for clarification during the plan review process.

Public Swimming Pools are defined as any structure, chamber, or tank containing an artificial body of water used by the public for swimming, diving, wading, recreation, or therapy, together with buildings, appurtenances and equipment used in the connection with the body of water, regardless of whether a fee is charges for its use. The term includes municipal, school, hotel, motel, apartment, boarding house, athletic club, or other membership facility pools and spas. This article does not apply to a private pool serving a single family dwelling and used by only by the residents of the dwelling and their guest.

Pool Information:

Projected Opening Date: _____

Name: _____

Address: _____

Contractor Name _____

Company Name _____

Address _____

Phone _____

Fax _____

E-mail _____

Type of Pool:

_____ Swimming Pool

_____ Spa/Hot Tub

_____ Wading Pool

_____ Specialized Water Recreation attraction/other

Location:

_____ Indoor

_____ Outdoor

Operation:

_____ Year-Round

_____ Seasonal

Community Served:

_____ Fitness/Athletic

_____ Hotel/Motel

Distance of Farthest Unit from Pool: _____

_____ Single Family Home

_____ Apartment/Condo

Distance of Farthest Unit from Pool: _____

_____ Other(explain) _____

Dimensions:

Surface Area _____ square feet

Average Depth _____ feet

Perimeter _____ feet

Maximum Depth _____ feet

Volume _____ gallons

Minimum Depth _____ feet

Deck Surface _____ square feet

The following information must be included with your pool plan submittal
Please check each area to show that your submittal meets each requirement

General Pool Plan Requirements [.2509]

1. _____ Plans shall be prepared by a registered professional engineer or registered architect. Landscape architects do not meet this requirement.
2. _____ Pool shall be constructed by swimming pool contractors licensed by the North Carolina licensing Board for General Contractors.
3. _____ A Minimum of two complete sets of plan shall be submitted for review.
4. _____ Plans drawn to scale and accompanied by specifications so as to permit a clear, comprehensive review.
5. _____ All prints of drawings shall be a minimum of 18x24 inches and a maximum of 36x42 inches.

PLANS SHALL INCLUDE:

6. _____ Site Plan, including pool, deck, and any other appurtenant building.
7. _____ Plan and sectional view dimension of both the pool and the area enclosed by the barrier fences.
8. _____ Specifications of all treatment equipment used and their layout in the equipment room, including cut sheets.
9. _____ A piping schematic showing piping, piping size, inlets, main drains, skimmers, gutter outlets, vacuum fittings and all other appurtenances connected to the pool-piping system.
10. _____ Plans and Layouts for the bathhouse, the equipment room, and the chemical storage.
11. _____ Specifications for the water system and wastewater disposals systems would include aspects such as well location and backwash water disposal where applicable
12. _____ A fencing detail, drawn to scale
13. _____ Alighting schedule if pool is open for night swimming, or if pool is indoors.

PLEASE NOTE

Plan notes such as “fence by owner” or deck under separate contract” shall not be acceptable as a substitute for scale drawings and required plan review application information. Any such comments will result in a letter of disapproval of submitted plans within 30 days of submittal.

Please check each item to indicate that submitted plans include enough information for us to confirm the following:

A. POOL AREA SITE PLAN

- Adequate approved water supply available: Rule.2512 (a)
- Adequate approved sewage disposal facilities available: Rule .2513 (a)
- Perimeter fence and gates meet Rule .2528
- Clear walking space around each pool meets deck area requirements: Rule .2522
- Deck materials impervious, slip resistant: Rule .2522(g)
- Deck sloped to drain: Rule .2522 (f)
- Deck lighting meets illumination requirements: Rule .2524
- Equipment room meets construction, ventilation and space requirements: Rule .2533
- Chemical storage room provided meets construction, ventilation, and space requirements: Rule .2534
- Safety equipment specified and telephone provided with signs. Location of phone specified: Rule .2530(a) (b)&(f)
- Warning signs with exact wording & proper sized lettering. Location of signs specified: Rule. 2530 (c), (d), (e), (f)
- Mechanical ventilation provided for indoor pools: Rule .2524 (f)
- Bathhouse or restrooms to be located and constructed according to Rule .2526
- Hose bibs to allow all areas of decks to be reached with a 100-foot hose: Rule .2522 (h)

B. POOL SHELL

- Construction material specified: Rule .2514 (a), (b), and (c)
- Corners rounded (coved or radiused) at intersections of floors and walls: Rule .2516 (a)
- Slip resistant surfaces where required: Rule .2514 (d)
- Shallow end depth meets Rule .2515 (d) and (e)
- Shallow area slope meets Rule .2516 (d)
- Vertical walls of pool not exceeding 11° from plumb: Rule .2516 (a)
- Underwater seats or benches meet Rule .2516 (a)
- Diving area dimensions meet Rule .2517 (a) and (c)
- Stairs provided meet Rule .2521

C. APPURTENANCES

- Fill sprout properly located: Rule .2512 (c), or backflow preventer specified on water supply line: Rule .2512 (b)
- Floating safety ropes and bottom markings provided where required: Rule .2523 (e) and Rule .2515 (d)
- Recessed anchors for safety ropes: Rule .2515 (f)
- Contrasting color bands provided on stair treads and seats: Rule .2521 (b) (4) and .2516 (b)
- Diving equipment meets Rule .2517
- Adjustable inlets provided as required: Rule .2518 (j) (4)
- Dual drains for recirculation system properly located: Rule .2518 (k) (1)
- Suction outlet for pumps other than the circulation pump: Rule .2518 (k) (2)
- Hydrostatic relief valve provided: Rule .2515 (b)
- Skimmers NSF listed: Rule .2518 (l) (3)
- Skimmers protected from air entrainment (equalizer line): Rule .2518 (m)
- Underwater lights, if provided, meet illumination requirements in Rule .2524 (d)
- Depth markings and “No Diving” markers provided and properly located: Rule .2523
- Pool slides meet Rule .2527
- Ladders and handrails provided and meet Rule .2521

D. CALCULATIONS

- Design flow rate (gpm)
- Number of ladders or stairs meets Rule .2521 (a)
- Number and placement of return inlets and surface skimmers: Rule .2518 (j)
- Number of toilets ,lavatories and shower fixtures required meets Rule .2526

E. POOL PIPING

- Main drain piping sized to handle 50% of design flow without exceeding a velocity of 6 feet per second: Rule .2518 (d), (e), (k),(l)
- Skimmer pipes sized to handle 30 gallons per minute per skimmer (or between 50% and 100% or the design flow) without exceeding a velocity of 6 feet per second: Rule .2518 (d),(e) & (l), (3), (A)
- Return pipes sized to handle 100% of return flow without exceeding a velocity of 10 feet per second: Rule .2518 (e)
- Required valves provided: rule .2518 (d) and (g)
- Vacuum line provided, where required: Rule .2518 (g)
- Drainage from pool overflow, deck drains and filter backwash discharged through an air gap: Rule .2513 (b)

F. CIRCULATION SYSTEM

- Hair and lint strainer included; spare basket provided: Rule .2518 (f)
- Pump NSF listed; self-priming or located below pool water level : sized properly: Rule .2518 (i)
- Filter NSF listed, sized properly, necessary valves provided: Rule .2519
- Pressure gauge and air relief valve on filter: Rule .2519 (l) and (n)
- Automatic chlorine or bromine feeder NSF listed: Rule .2535 (6)
- Automatic chlorine or bromine feeder pump automatically prevented from opening when the circulation pump is not in operation: Rule .2535 (6)
- Flow meter on filter water line: Rule .2518 (h)
- Pool heater meets Rule .2525 flow velocity through heater piping complies with Rule .2518 (e)

G. SPECIAL REQUIREMENTS FOR WADING POOLS RULE .2531

- Wading pool location is near shallow end of swimming pool: Rule .2531 (8)
- Separated from swimming pool by four-foot high fence with self-closing self-latching gate: Rule .2531 (8)
- Wading pool entrance gates located inside another public swimming pool enclosure shall open **away** from the deeper pool: Rule .2531 (8)
- Depth does not exceed 24 inches at the deepest point: Rule .2531 (6)
- Bottom slope does not exceed one foot in 12 feet: Rule .2531 (7)
- Deck provides 4 feet of clear walking space completely around the pool: Rule .2522 (c)
- Circulation system meets minimum requirements in Rule .2531 (2)
- Separate circulation system designed for 2 hour turnover rate: Rule .2531 (3)
- “No Lifeguard On Duty” signs specified to meet Rule .2530 (c)

H. SPECIAL REQUIREMENTS FOR CHILDREN’S ACTIVITY POOLS RULE .2531

- Filter circulation system separate from any feature pump circulation pump system: Rule .2531 (b) (1)
- Separate circulation system designed for 1 hour turnover rate: Rule .2531 (b) (2)
- Valves provided to control water flow to the features in accordance with the manufactures’ specifications: Rule .2531 (b) (4)
- Meets all requirements for wading pool in Section G above.

I. SPECIAL REQUIREMENTS FOR SPAS AND HOT TUBS RULE .2532

- Deck provides 4 feet of clear walking space at least one-half way around the spa: Rule .2522 (d)
- Separate circulation system designed for 30 minute turnover rate: Rule .2532 (1)
- Two drains provided for each pump drawing water from the spa: Rule .2532 (4) (a)
- One surface skimmer for every 100 square feet or fraction thereof of spa surface area: Rule.2532 (4) (b)
- Hydrotherapy pump or air blower controlled by 15 minute timer switch. Location specified: Rule .2532 (7)
- Depth does not exceed 4 feet: Rule .2532 (8)
- Seat depth does not exceed 2 feet: Rule .2532 (9)
- Stairs and handrail provided and meet Rule .2521
- Contrasting color bands on stairs, seats and benches: Rule .2532 (13)
- Minimum height between the top of the spa rim and the ceiling is specified to be at least 7 ½ feet: Rule .2532 (10)
- Caution sign at entrance to spa/hot tub; letters on sign at least ½ inch in height; exact wording: Rule .2532 (15)
- Emergency telephone signage provided. Location specified: Rule .2532 (16) & .2530 (f)
- Sign requiring showers prior to entering and prohibiting oils, body lotion, and minerals in the water: Rule .2532 (17)
- Vertical walls of spas do not exceed 15° from plumb: Rule .2532 (19)

J. SPECIAL REQUIREMENTS FOR INTERACTIVE PLAY ATTRACTIONS RULE .2543

- Recirculation system has enough water capacity to meet Rule .2543 (d) (1)
- Access provided to the surge water container: Rule .2543 (d) (2)
- Variable height surface skimmer provided for the filter circulation system to draw water: Rule .2543 (d) (4)
- Separate circulation system designed for 30 minute turnover rate and 24 hour operation: Rule .2543 (d) (5)
- Automatic chemical controllers provided to monitor and adjust the disinfectant residual and pH: Rule .2543 (d) (6)
- Chlorine feeder capable of producing 12 parts per million of free chlorine in the filter circulation piping: Rule .2543 (d) (7)
- Valves to control water flow to features in accordance with the manufactures' specifications: Rule .2543 (d) (8)
- Splash zones sloped to drain: Rule .2543 (d) (9)
- Dressing and sanitary facilities provided: Rule .2543 (d) (11)
- Interactive play attractions located inside a pool enclosure provided with required fencing: Rule .2543 (d) (12)
- Sign provided prohibiting pets and glass containers: Rule .2543 (d) (13)

K. SPECIAL REQUIREMENT FOR TRAINING POOLS RULE .2543

- Circulation system designed for two hour turnover rate: Rule .2543 (e) (1)

The undersigned person hereby agrees that the contents of this application are true.

Signature: Owner/Representative

Date: _____

Date Application Received: _____

Please submit application to:

Jackson County Department of Public Health

Environmental Health

538 Scotts Creek Road, Suite 100

Sylva, North Carolina 28779

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