

HARNETT COUNTY PLAN REVIEW APPLICATION SWIMMING POOLS

Review for Compliance with NC Rules Governing the Public Swimming Pools (15A NCAC 18A .2500)

All items are to be submitted through the Central Permitting Office at 108 East Front St., Lillington, NC 27546 or by mail at PO Box 65, Lillington, NC 27546. You may contact the Central Permitting Office at 910-893-7525, Ext. 2. However, please contact our office with questions regarding the contents of this application.

If you have question, contact one of the following Food and Lodging staff listed below at 910-893-7547:

Gale Violette Greene, RS
Food and Lodging Program Specialist

Jamie Turlington, RS
Environmental Health Specialist

Cindy Pierce, RS
Environmental Health Specialist

Plans which are submitted for institutional establishments require plan review to assure compliance with the North Carolina *Rules Governing Public Swimming Pools* (15A NCAC 18A .2500), which is necessary to obtain an operations permit once construction is approved. A plan review fee of \$300.00 must be paid when plans are submitted.

Plans must be submitted with the following supporting documentation:

- ✓ Plans must show pool, deck, fencing, and any other appurtenant building.
- ✓ Plans must include drawing showing the placement of equipment in the facility, including any equipment rooms, chemical storage rooms, toilets and bathing facilities, dressing rooms, along with general plumbing, electrical, and mechanical and lighting details.
- ✓ Piping schematic showing piping, pipe size, inlets, main drains, skimmers, gutter outlets, vacuum fittings and all other appurtenances connected to the pool piping system.
- ✓ Specifications of all treatment equipment used and their layout in the equipment room, include equipment cut sheets.
- ✓ Plans must include a site plan locating exterior equipment such as dumpsters or compactors, and indicating the proposed connections to approved sewer and water connections and backwash water disposal.
- ✓ Plans shall be drawn to not less than one eight inch to the foot scale.

PUBLIC SWIMMING POOL DATA SHEET

Name of Pool:	Serenity Amenity		
Location:	Piney Grove Rawls Road, Fuquay-Varina, NC 27526 (PIN - 0655-13-4450.000)		
Pool Contractor:	D.Clugston Inc.	Date of Construction	TBD
1-Pool dimensions 85'-3" x 94'-9" Irregular Shape		6-Equipment Room	
Pool volume	149,057 Gallons	<input checked="" type="checkbox"/>	Weatherproof Building
Surface Area	5,945 SQ FT	<input checked="" type="checkbox"/>	Well Ventilated
Bather Load	396 Persons	<input checked="" type="checkbox"/>	Sanitary Sewer Floor Drain
2-Pool Structure		Ceiling Height:	ft
	Fiberglass <input checked="" type="checkbox"/>	Concrete	
	Gunite	Rounded corners	
	Other -----Specify→		
Number of Main Drains (2) Circulation (2) Feature		7-Chemical Storage Area	
Size of grate (18") Circulation (12") Feature		<input checked="" type="checkbox"/>	Dry <input checked="" type="checkbox"/> Ventilated
Anti-Vortex		8-Circulation Pump	
Number of Returns/ Inlets 24		Make	Pentair
In wall 22	In floor 2	Model	XFE-20 HP 5
Size of pipe 6" Return Out & Tee to 4"		9-Filter	
Number of skimmers 16		Sand <input checked="" type="checkbox"/>	DE <input type="checkbox"/> Cartridge <input type="checkbox"/>
Overflow gutters 1		Make	Pentair
Number of Outlet Drains		Model	TR-140C
Hair and lint catcher <input checked="" type="checkbox"/>		Circulation Rate (GPM)	414 GPM
3-Fill spout		Backwash Rate (GPM)	20 GPM /SQ FT
Location	See SP3 For Autofill Location	Pressure Gauge	<input checked="" type="checkbox"/>
Size of pipe	3/4"	Sight Glass	<input checked="" type="checkbox"/>
Other method to fill		Flow Meter	<input checked="" type="checkbox"/>
Back Flow Prevention	See Plumbing Plans & SP3	Air Relief Valve	<input checked="" type="checkbox"/>
Source of Water	Inline Autofill	Pool Heater	N/A
4-Deck: Type		Turnover Rate	6 Hours
Finish	Light-broom Concrete	10-Automatic Chemical Feed	
Minimum width	See SP1 ft	Type	Cal Hypo Tablet Make VersaChlor
Slope	1/4" to 1/2" per 1'0"	Model Number	System 3
<input checked="" type="checkbox"/> Deck drains		11-Bathhouse/Toilet Room	
<input checked="" type="checkbox"/> Hose Bib <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Diving Boards	# toilets, female	6 Floor drain to
	<input checked="" type="checkbox"/> Depth Markers	# toilets, male	2 sewer-→ <input checked="" type="checkbox"/>
Number of ladders	3	# urinals	1 <input checked="" type="checkbox"/>
Number of stairways	2	# lavatories	6 Non-skid <input checked="" type="checkbox"/>
Outside rinse showers	Located in Restrooms	# showers	2 flooring
5-Safety Equipment		12-Wastewater Disposal	
Underground lights	<input checked="" type="checkbox"/>	Sewer to -→	See plumbing plans
Deck lights		Pool overflow & backwash water to-→	Sanitary Sewer
Ring Buoy w/ rope	<input checked="" type="checkbox"/>		
Floating life line	<input checked="" type="checkbox"/>		
Shepherd's crook	<input checked="" type="checkbox"/>		
Spa timer			
Telephone	<input checked="" type="checkbox"/>		

Form completed by:

Joey Davis

Name

Project Manager

Title

03/16/2022

Date:

HARNETT COUNTY AQUATIC FACILITY REVIEW FORM FOR COMPLIANCE WITH THE VIRGINIA GRAEME BAKER POOL AND SPA SAFETY ACT

Complete one from for each pump. For example, circulation system, hydrojet, or water feature pump.

Name of Pool/Spa: Serenity Amenity County: Harnett

Pool/Spa Address: Pine Grove Rawls Rd. Fuquay-Varina, NC 27526 (PIN: 0655-13-4450.000)

Pool/Spa Owner: Greenfield Serenity LLC Owner's Phone: _____

Owner's Address: 8601 Six Forks Rd. STE 270 Raleigh, NC 27615-5276

Owner's E-Mail: _____ Owner's Fax: N/A

Pool/Spa Operator: TBD Operator's Phone: TBD

Operator's Certification: TBD

Operator's Address: TBD

Type of Facility Pool Spa Wading Pool Indoor Facility Outdoor Facility
 Other _____

Volume of Pool/Spa (gallons) 149,057 Gallons

Type of Suction Outlet and Maximum Flow Rate (check one)

Pump Make and Model Number: Pentair XFE-20 5HP

Main Drain(s):

-Maximum flow rate the system can attain with clean filter and **all valves open** (gpm) 290 GPM Each

And Maximum flow rate with surface skimmer/gutter line valve(s) **closed** (gpm) 210 GPM Each

OR -Specify estimated maximum flow rate for this system based on hydraulic calculations and pump curve (gpm) _____

Hydrojets, Maximum Flow Rate (gpm) _____

Spray feature, describe _____ Maximum Flow Rate (gpm) _____

Slide, describe _____ Maximum Flow Rate (gpm) _____

Water Feature, describe _____ Maximum Flow Rate (gpm) _____

Location of Suction Outlets (check one) Wall Floor Separate Planes

Anti-entrapment device or system that complies with Virginia Graeme Baker Pool and Spa Safety Act

Dual drains spaced a minimum of 3 feet from edge to edge.

Dual drains located on separate planes.

Single main drain with Safety vacuum Release System that complies with ASME/ANSI A112.19.17 or ASTM-F2387, provide documentation from manufacturer.

SVRS Make and Model AquaStar ES1022S12001 W/ VLK15T01 (Vacuum Line Fitting w/ Lock Cap)

Gravity drainage system Dual Drain _____ Single Drain _____

Unblockable drain, minimum 18" x 23" size Dual Drain _____ Single Drain _____

Permanent drain disablement Dual Drain _____ Single Drain _____

