



## Public Water Recreational Facility Plan Review

This application is for Public Water Recreational Facilities:

- New Construction
- Modification of Existing System
- Indoor Facility
- Outdoor Facility

<b>For office use only:</b>
Stamp date received:
Fee Schedule is \$210 (Non-Refundable)

Name of Project:	
Project's Address:	
Project's City, State and ZIP:	
Owner's Name/Contact Person:	
Owner's Telephone Number:	Owner's Fax Number:

### Contacts

Check <input checked="" type="checkbox"/> one - <b>Direct all correspondence to:</b>		
Title: <input type="checkbox"/> Applicant <input type="checkbox"/> Owner <input type="checkbox"/> Contractor <input type="checkbox"/> General Manager <input type="checkbox"/> Legal Counsel <input type="checkbox"/> Parent Company <input type="checkbox"/> Other		
Name:	Company:	
Address:		
City, State and ZIP:		
Office Phone:	Mobile Phone:	Fax:
Email:		

**Important:** In accordance with Sections 1.3, 1.4 and 1.5, this application must be accompanied with two set of detailed plans that are signed and sealed by a licensed professional, specifications for the equipment used in the filtration process that shows it complies with NSF certification and a summary of the design data supporting bather load calculations, recirculation equipment capacities and basis of design. Incomplete information may delay approval of plans. **Provide one application per pool.**

### Facility Type

Indicate below the type of license this Facility is applying for. You may check more than one box, if applicable.

Check <input checked="" type="checkbox"/>	Facility Type	Check <input checked="" type="checkbox"/>	Facility Type
<input type="checkbox"/>	Class A, B, C <b>Classic Swimming Pool</b>	<input type="checkbox"/>	Class F <b>Wade Pool/Sprayground</b>
<input type="checkbox"/>	Class D-2 <b>Activity &lt;24 inches</b>	<input type="checkbox"/>	Class D-4 <b>Leisure River</b>
<input type="checkbox"/>	Class D-2 <b>Activity &gt;24 inches</b>	<input type="checkbox"/>	Class D-3 <b>Catch/Plunge</b>
<input type="checkbox"/>	Class D-1 <b>Wave</b>	<input type="checkbox"/>	Class D-5 <b>Vortex</b>
<input type="checkbox"/>	Class D-7 <b>Amusement Park Attraction</b>	<input type="checkbox"/>	<b>Public Spa</b>

### Pool Summary

Surface Area of Pool:	Sq. ft.	Average Depth of Pool:	Ft.
Total Water Volume:	Gallons	Turnover Rate:	gpm
Deck Width:	Ft.	Surface Area of Pool Deck:	Sq. ft.



**Scope Of Work**

Provide a description of the type of modification, including the equipment and piping replaced

---



---



---



---

**Scope Of Work**

<b>2.1.2</b>	Is there a guarded jet drinking fountain in the pool area? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.1.4</b>	All equipment installed for the proper operation of the swimming pool shall have been approved for swimming use by NSF, ANSI or an equivalent. Please indicate with an "X" the compliant specifications for the following equipment: Skimmers (2.14.3): _____ Pumps and Curve (2.15): _____ Underwater Lighting (2.11.5): _____ Flow Meters (2.15.10): _____ Temperature Gauge (2.15.11): _____ Filter (2.17): _____ Main Drain (2.13.3): _____ Chemical Feeders (2.18.2): _____
<b>2.2.2</b>	Pool wastewater shall discharge to the sanitary sewer or other method approved by the Department of Public Health. Does the pool wastewater discharge to the sanitary sewer? <input type="checkbox"/> Yes <input type="checkbox"/> No According to Section 2.15.13, is the discharge line indirectly connected with a six-inch air gap located above the ground? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.2.3</b>	<b>Outdoor</b> deck drains may drain to daylight or storm sewer system. <b>Indoor</b> deck drains must drain to sanitary sewer system. Where does the deck drain? _____
<b>2.2.4</b>	Do the pool drain and recirculation system overflow drain lines have a 6-inch air gap to the sanitary sewer system intake? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.4.1</b>	Pool markings that define as water lines, racing lanes (maximum 15 inches), turn targets, depth markings, stair tread, slope transition, ledge and seat, other safety markings, suction grate/covers and other pool fittings are required to be contrasting in color to the pool. Do the pool markings comply with this Code? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.4.7</b>	The bottom slope of the pool from the shallow wall to the deep-water transition point of 5 feet shall not exceed one-foot fall per 12-foot length. What is the bottom slope of the pool? _____ inches per _____ feet
<b>2.5.2</b>	Is the transition from shallow (<5 feet) to deep (5+ feet) marked with a rope and float line and minimum 4-inch demarcation line on the bottom of the pool? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>2.7</b>	Does the pool have underwater seating or rest ledges? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, are the ledges set apart with a 2-inch demarcation line along the front edge? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.8.2</b>	Are there stairs located at the deepest end of the pool? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A N/A Are there stairs located at the shallow end of the pool? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A N/A Do the stairs have a minimum 12-inch tread and maximum 10-inch rise? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A N/A
<b>2.8.3</b>	Is there a ladder serving the deepest end of the pool? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Is there a ladder serving the shallow end of the pool? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>2.8.5</b>	Is there a handrail on either side of the steps that extends over the coping? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.9</b>	A continuous deck 4 feet wide for indoor pools and not less than 5 feet wide at outdoor pools is required unless exceptions outlined in the Code are present. Decking between pools is required to be 8 feet wide. Is the deck in compliance with this Code? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.9.2</b>	Is the deck sloping a minimum 1/4 inch per foot away from the pool? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.9.4</b>	Is there a hose bib with a minimum 3/4-inch pipe with a 5/8-inch connection in pool area? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.9.5</b>	Is there a 6-foot-high fence that is self-closing/latching with 4-inch maximum opening between uprights surrounding the pool? <input type="checkbox"/> Yes <input type="checkbox"/> No If no, what type of barrier is in place? _____



<b>2.10</b>	Are the depth markers a minimum of 4-inches high and less than 25 feet apart on the deck and pool wall? Are there "NO DIVING" markings with international symbol for no diving on the deck spaced less than 25 feet apart?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.11</b>	Will night swimming be permitted? Is underwater lighting provided?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>2.11.3</b>	Is there area lighting?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.11.4</b>	Is there deck area lighting?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>2.11.6</b>	No electrical wiring shall pass overhead within 22 feet of the water level. Are there any electrical wires overhead?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.12.1</b>	There shall be one return inlet for every 300 sq. ft. of pool surface and fraction thereof. According to Section 3.10, spas are required to have one return inlet for every 20 feet of pool perimeter with a minimum total of two skimmers. Indicate the number of inlets: _____	
<b>2.12.4</b>	Is there an inlet provided over each set of steps and/or recessed area?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.13.1</b>	All grates, covers and fittings on suction outlets shall comply with ASME/ANSI A112.19.8MR96 "Suction Fitting for use in Swimming Pools, Wading Pools, Spas, Hot Tubs and Whirlpool Bathtub Appliances." Are the suction outlet covers compliant?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.13.3</b>	Is there one set of hydraulically balanced filter recirculation outlets positioned a minimum of 3 feet apart located at the deepest point of the pool (main drains)? Size of Drain(s): _____ sq. ft.	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.13.6</b>	Is/Are the main drain(s) plainly marked a contrasting color?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.14.2</b>	A perimeter overflow system that is the sole source of skimming must extend a minimum of 50% of the perimeter. Is there a perimeter overflow gutter system?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.14.3</b>	There shall be at least one skimmer for every 500 square feet of water surface. According to Section 3.9, spas are required to have one surface skimmer per 100 square feet of surface area. Number of skimmers: _____ Equalizer lines? If yes, does the equalizer line have an ANSI approved cover?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.15</b>	The recirculation system shall operate 24 hours/day. All associated equipment (pump, filters, feeders) will be separated from the public by a fence or similar barrier. The recirculation system must turn the water over in the required 6 hours or less based on the class of pool. Is the recirculation system adequate? Pump Capacity: _____ gpm _____ Total Dynamic Head (feet)	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.15.6</b>	Water velocity – The water velocity shall not exceed 8 fps in discharge piping. Piping and other components of the skimmers shall be designed for a total capacity of 100% of the filter flow rate. The water velocity for suction piping shall not exceed 6 fps. Gravity flow piping shall not exceed a velocity of 4 fps. Indicate pipe sizes for the following: skimmers _____ inlets _____ main drain _____	
<b>2.15.10</b>	Is there a pump suction (vacuum) gauge installed as close to the suction side of the pump as possible and flow meter located to accurately measure flow of filtering and backwashing in gallons per minute?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.15.11</b>	Is there a heater in the recirculation system? If yes, is there a temperature measuring device located in the recirculation line beyond the heater and another near the outlet of the pool?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.18</b>	For spas, according to Section 3.6, water temperature controls shall be provided to prevent the water from exceeding current ANSI standards. Are the water temperature controls in place and accessible only to pool operators?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.18</b>	Does the pool/spa have chemical controllers to automatically monitor and adjust sanitizer and pH levels in the water?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>3.15</b>	Does the spa have an emergency shutoff or control switch located in an area accessible to bathers?	<input type="checkbox"/> Yes <input type="checkbox"/> No



<b>2.16-17</b>	Type of Filter: <input type="checkbox"/> Sand <input type="checkbox"/> Cartridge <input type="checkbox"/> Other Number of filters: _____ gpm/sq ft _____ make & model _____
<b>2.18</b>	Type of Disinfectant (Chlorine/approved equivalent 5 ppm outdoor/3 ppm for indoor pools, 8 ppm outdoor/5 ppm indoor for spas): <input type="checkbox"/> Liquid Chlorinator <input type="checkbox"/> Ultraviolet Light <input type="checkbox"/> Bromide <input type="checkbox"/> Dry Feed Chlorinator <input type="checkbox"/> Saline Chlorination System <input type="checkbox"/> Ozonator
<b>13.6</b>	Lifeguards are required for pools that have a surface area of more than 2,000 square feet within one enclosure. Based on this requirement, do you need to have lifeguards? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.23.3</b>	One unit of lifesaving equipment consists of the following: A ring buoy with minimum outside diameter of twenty inches (20") to which shall be attached a length of one-quarter inch (1/4") rope as long as one and one-half (1-1/2) times the maximum width of the pool or 50 feet, whichever is less; a life pole or shepherd's crook type of pole with a minimum length handle of twelve feet (12'). Not less than one unit is required at every public pool. Do you have one unit of lifesaving equipment for every 2,000 square feet, or fraction thereof? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>2.23.5</b>	Will the first-aid kit be in the office and readily available. <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>2.23.9</b>	Emergency Telephone and Emergency Contact List. The ambulance service, and a hospital, or 911 where applicable, shall be posted in a conspicuous place near the telephone. The name, address and telephone number of the swimming pool facility shall be listed by the telephone. The location of the emergency telephone shall be posted in the swimming pool facility unless the telephone is located in the pool area. Where is the emergency phone located? _____
<b>2.23.9</b>	A sign posted in a conspicuous place shall state "Notify the manager or operator on duty if the main drain is not visible." Where is this sign going to be posted? _____
<b>2.23.9</b>	A sign posted in a conspicuous place shall state "To register a complaint about the condition of this pool, contact Saint Louis County at (314) 615-8900." Where is this sign going to be posted? _____
<b>2.23.9</b>	Bather load information will be provided by Department of Health. Each facility is required to post a sign with clearly legible letters not less than four inches (4") high in a conspicuous place within the pool enclosure or near the main entrance that shall indicate the number of bathers permitted for each pool. Where will this sign be posted? _____
<b>2.23.9</b>	<b>Warning signs</b> - Whenever the pool area is opened for use and no lifeguard service is provided, warning signs shall be placed in plain view of the entrances and inside the pool area which state, "WARNING - NO LIFEGUARD ON DUTY" with clearly legible letters at least 4 inches (10 cm) high. In addition, the signs shall also state in clearly legible letters at least 2 inches (5.1 cm) high, "NO SWIMMING ALONE. CHILDREN AND NON-SWIMMERS SHALL NOT USE THE POOL UNLESS ACCOMPANIED BY A RESPONSIBLE ADULT." Will you have these signs posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>2.23.9</b>	Pools without lighting shall be limited to operating between sunrise and sunset. A sign with clearly legible letters not less than 4 inches high shall be posted in a prominent place near each entrance to the pool area. This sign shall state "NO USE OF POOL ALLOWED AFTER DARK". Will you have these sign posted? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<b>Bather Preparation Facilities Section</b>	
General - Dressing rooms, shower facilities and toilet facilities are required at all public swimming pools. An exception can be made for a swimming pool at a motel, hotel, apartment complex or similar establishment when such facilities are available within three hundred feet (300') of the pool.	
<b>12.1.1</b>	Are the dressing rooms located adjacent to the showers and open to the shallow end of the pool? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>12.1.3</b>	Are the floors sloped at a minimum of 3 inches to every 10 feet toward a floor drain? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>12.1.4</b>	Are the floor and wall junctures covered? <input type="checkbox"/> Yes <input type="checkbox"/> No
<b>12.4.6</b>	Do the partitions have a minimum 6-inch clearance to the floor? <input type="checkbox"/> Yes <input type="checkbox"/> No



<b>12.3.1</b>	One sanitary unit, as defined in the left column, is required for every 7500 square feet of pool surface area and any fraction thereof. Please indicate the number of fixtures provided in the right column.		
	<b>Unit Multiplier</b>	<b>Unit Type</b>	<b>Provided</b>
	0.7	male water closets	
	1.0	male urinal	
	0.85	lavatories for males	
	1.0	showers for males	
	2.0	female water closets	
	1.0	lavatory for females	
	1.0	shower for females	
<b>12.3.3</b>	Are the showers located between the toilets and the pool?		<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>12.4.8</b>	Is there a hose bib with a backflow preventer provided in each bather preparation area?		<input type="checkbox"/> Yes <input type="checkbox"/> No
<b>Certification</b>			
<p><b>Initial: _____ I have received a copy of the Pool Permit Requirement Checklist and understand that ALL PLANS are held to the minimum requirements listed in the document.</b></p> <p>I hereby certify that I accept full responsibility that the information contained herein is true and accurate. I understand the facility named herein shall be constructed in compliance with the Saint Louis County Water Recreation Facility Code. I understand that failure to comply may result in the disapproval of this permit application.</p>			
Signature of Authorized Representative of the Facility:		Title of Authorized Representative of the Facility:	
Printed Name of Authorized Representative of the Facility:		Date:	
Phone Number of Authorized Representative of the Facility:			