



SAINT LOUIS COUNTY DEPARTMENT OF PUBLIC HEALTH
Division of Environmental Protection
Food and Environmental Branch
6121 North Hanley Rd. Berkeley MO 63134
314-615-8900

For Office Use Only
(Stamp Received)

**PUBLIC WATER RECREATIONAL FACILITY
 PLAN REVIEW APPLICATION**

Fee Schedule is \$210

This application is for Public Water Recreational Facilities: New Construction Modification of Existing System
 Indoor Facility or Outdoor Facility

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

CONTACTS

Primary Contact

Check one - Direct all Plan Review correspondence to:

Title: Applicant Owner Contractor General Manager Legal Counsel Parent Company Other

Name: _____ Phone: Office _____ Cell _____

Company: _____ Fax _____

Address: _____ City: _____ State: _____ Zip: _____

Email Address: _____

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.**

Indicate Facility Type

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

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

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

ORDINANCE SECTION

- 2.1.2 Is there a guarded jet drinking fountain in the pool area? yes no
- 2.1.4 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) |
- 2.2.2 Pool wastewater shall discharge to the sanitary sewer or other method approved by the Health Department. Does the pool wastewater discharge to the sanitary sewer? yes no According to Section 2.15.13, is the discharge line indirectly connected with a six-inch air gap located above the ground? yes no
- 2.2.3 Outdoor deck drains may drain to daylight or storm sewer system. Indoor deck drains must drain to sanitary sewer system. Where does the deck drain? _____
- 2.2.4 Does the pool drain and recirculation system overflow drain lines have a 6-inch air gap to the sanitary sewer system intake? yes no
- 2.4.1 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? yes no
- 2.4.7 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
- 2.5.2 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? yes no n/a
- 2.7 Does the pool have underwater seating or rest ledges? yes no If yes, are the ledges set apart with a 2-inch demarcation line along the front edge? yes no
- 2.8.2 Are there stairs located at the deepest end of the pool? yes no n/a
Are there stairs located at the shallow end of the pool? yes no n/a
Do the stairs have a minimum 12-inch tread and maximum 10-in rise? yes no n/a
- 2.8.3 Is there a ladder serving the deepest end of the pool? yes no n/a
Is there a ladder serving the shallow end of the pool? yes no n/a
- 2.8.5 Is there a handrail on either side of the steps that extends over the coping? yes no
- 2.9 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? yes no
- 2.9.2 Is the deck sloping a minimum ¼ inch per foot away from the pool? yes no
- 2.9.4 Is there a hose bib with a minimum ¾-inch pipe with a 5/8-inch connection in pool area? yes no
- 2.9.5 Is there a 6 foot high fence that is self-closing/latching with 4-inch maximum opening between uprights surrounding the pool? yes no If no, what type of barrier is in place? _____

13.6	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? ___yes___no
2.23.3	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? ___yes___no
2.23.5	Will the first aid kit be in the office and readily available. ___yes___no___n/a
2.23.9	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? _____
2.23.9	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? _____
2.23.9	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? _____
2.23.9	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 (4") inches 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? _____
2.23.9	WARNING SIGNS - 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? ___yes___no___n/a
2.23.9	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? ___yes___no___n/a

BATHER PREPARATION FACILITIES SECTION

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.

12.1.1	Are the dressing rooms located adjacent to the showers and open to the shallow end of the pool? ___yes___no																								
12.1.3	Are the floors sloped at a minimum of 3 inches to every 10 feet toward a floor drain? ___yes___no																								
12.1.4	Are the floor and wall junctures coved? ___yes___no																								
12.4.6	Do the partitions have a minimum 6-inch clearance to the floor? ___yes___no																								
12.3.1	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.																								
	<table border="1"> <thead> <tr> <th>Unit Multiplier</th> <th>Unit Type</th> <th>Provided</th> </tr> </thead> <tbody> <tr> <td>0.7</td> <td>male water closets</td> <td></td> </tr> <tr> <td>1.0</td> <td>male urinal</td> <td></td> </tr> <tr> <td>0.85</td> <td>lavatories for males</td> <td></td> </tr> <tr> <td>1.0</td> <td>showers for males</td> <td></td> </tr> <tr> <td>2.0</td> <td>female water closets</td> <td></td> </tr> <tr> <td>1.0</td> <td>lavatory for females</td> <td></td> </tr> <tr> <td>1.0</td> <td>shower for females</td> <td></td> </tr> </tbody> </table>	Unit Multiplier	Unit Type	Provided	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	
Unit Multiplier	Unit Type	Provided																							
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																								
12.3.3	Are the showers located between the toilets and the pool? ___yes___no																								
12.4.8	Is there a hose bib with a backflow preventer provided in each bather preparation area? ___yes___no																								

CERTIFICATION

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.

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.

Signature of Authorized Representative of the Facility	Title of Authorized Representative of the Facility
--	--

Printed Name of Authorized Representative of the Facility	Date
---	------

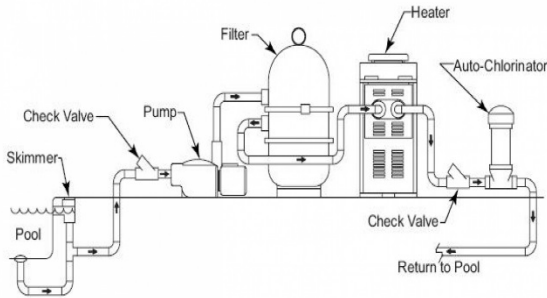
Phone Number of Authorized Representative of the Facility

POOL PERMIT REQUIREMENT CHECKLIST

Please review this information.

All plans are held to the minimum requirements listed in this document.

Plan Submittal Requirements



1.3 Detailed Plans – All detailed plans shall be prepared on blue or white prints and shall be drawn to a suitable scale. The detailed plans for bathing facilities shall show:

1.3.1 A plot of the property to be used for location of the swimming pool development, indicating the topography and the arrangement of present and proposed structures.

1.3.2 Complete construction details, including elevations and cross sections for all units. Complete construction details, including plan view (overhead) elevations, longitudinal (cross) sections for all units. A transverse section view is required.

1.3.3 Schematic diagrams of the pool recirculation, filtration, and disinfection systems.

1.3.4 Detailed plans for all piping.

1.4 Specifications – Complete detailed specifications for the construction of the swimming pool, bathhouse, recirculating system, filtration system, disinfection equipment, and all other appurtenances provided in the detailed plans shall accompany the plans.

2.1.2 At least one guarded jet drinking fountain with a safe supply of water shall be supplied at all swimming pools.



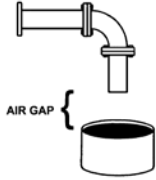
2.9 Decks - A Deck shall entirely surround the pool except for special use pools such as rivers and plunge pools. A continuous, unobstructed deck (except in the area where starting platforms are located) not less than four feet (4') wide at indoor pools and not less than five feet (5') wide at outdoor pools shall be provided. The deck between two adjacent swimming pools shall be at least eight (8') feet wide. The deck shall be of a uniform, easily cleaned, impervious material; and be of non-slip construction.

2.9.4 Hose Bibs - Sufficient hose connections of five-eighths (5/8") size, served by at least three-fourths inch (3/4") pipe, shall be located to effectively flush all areas of the pool with easily manipulated hose lengths.



A. Hose bibs with a backflow preventer shall be installed.

2.14.4 Water Level Control - Facilities capable of maintaining a water level sufficient to provide continuous skimming when pool is not in use shall be provided.

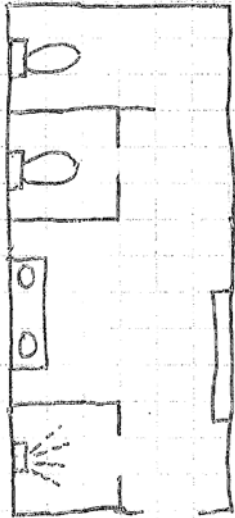


2.15.13 Backwash Water - All wastewater generated from the backwashing of filtration systems shall be discharged as an indirect waste to a sanitary sewer. An air gap of six-inch (6") minimum height shall be utilized. Discharge to other than the sanitary sewer may be allowed under extraordinary circumstances with approval of the Director.

2.22.5 A saline chlorine system shall be supported by a backup system that is capable of meeting the requirements by these rules and regulations and the code.

Plans submissions that do not include a bather preparation area may be delayed or rejected due to incomplete submittal.

12.0 Bather Preparation Facilities



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.

12.1.1 Location of Dressing Rooms - The dressing rooms shall be located adjacent to the showers and shall open to the shallow part of the pool.

12.1.4 Joints and Corners - All junctions of the floors with the sidewalls and partitions should be finished with covered joints

12.1.9 Cleaning - Hose bibs shall be provided to enable the entire dressing room to be conveniently flushed by hose.

12.3.3B Location - Showers shall be located between the toilets and the pool entrance.

This document list the most common Code requirements that are missed during the design phase. Not all of the Code requirements are listed in this document.