**Spokane Regional Health District Environmental Health Division** 1101 W. College Avenue, Suite 402 Spokane, WA 99201-2095 324-1560 ext. 4



Swimming Pool Plan Review Checklist		
General Project Information		
□ New □ Renovation □ Addition		
Project Name:		
Site Address:		
Owner Name:	Architect/Engineer:	
Address:	Address:	
Telephone Number:	Phone Number:	
Fax Number:	Fax Number:	
Email Address:	Email Address:	
General Contractor:	Pool Contractor:	
Address:	Address:	
Phone Number:	Phone Number:	
Fax Number:	Fax Number:	
Email Address:	Email Address:	
Name of Public Water Supply Serving This Facility:		
Facility Connected to Septic or Sewer?		

Please Provide the Following Information on the Proposed Swimming Pool Design					
Distance from the pool to the farthest associated living unit:		ft.			
How many stories are the	associated	living units?	stories		
Any balconies, buildings, trees, or other landscape		rooms, exterior stairs, storage facilities, thin 15 feet of the pool?	□ Yes □ No		
Shape of the pool:			□ Rectangular □ Oval □ Kidney		
			□ Other:		
Pool dimensions:			Length: ft.		
			Width: ft.		
Pool volume:			gallons		
Pool depths:		Shallow: ft.	Average Depth: ft.		
		Deep: ft.			
Pool surface area:		Area less than 5 ft. deep: sq. ft.	Total surface area: sq .ft.		
		Area greater than 5 ft. deep: sq. ft.			
Maximum pool bather loa calculation worksheet)	ad: (Note: S	Show bather load calculation on the attached pool			
Type of material used to construct the pool:		☐ Plaster ☐ Tile ☐ Fiberglass			
		□ Other:			
<b>Pool color:</b> (Note: Pool must be white or light in color)					
1 ool Color. (Note. Fool must be write of right in color)		☐ White ☐ Other:			
Slope of the pool bottom, from the shallow end to 5 feet deep:					
Safety float line or safety marking line provided if the pool has a sudden change of slope?		☐ Yes ☐ No ☐ Not Applicable			
Indoor ventilation in accordance with current ASHRAE standards?		☐ Yes ☐ No ☐ Not Applicable			
Please Provide the Following Information on Pool Sidewall – Pool Bottom Junctures			- Pool Bottom Junctures		
Total Pool Depth		Vertical Sidewall Depth (Springline)	Radius of Curvature		
At Internal Page 1	ft.	ft.	in.		
At Intermediate At Deepest Point	ft.	ft.	in.		
12 Deepest I omit	11.	11.	111.		

Please Provide the Following Information on Ladders, Steps, and Stairs					
Treads non-slip?			□ Yes □	l No	
Steps have a contrasting color edge?			□ Yes □	l No	
Height of each riser consistently the same fr	om the top of th	ne deck or coping	□ Yes □	l No	
Height of each riser consistently the same from the top of the deck or coping to the bottom step?			nce from the bottomay be different)	m step to the	
If multiple stairs are used, are the riser heights the same from the top of the deck or coping to the bottom step, for each set of stairs?			□ Yes □	∣ No □ Not Ap	pplicable
Height of each riser:	1 <sup>st</sup> Step:	in.	4 <sup>th</sup> Step:		in.
(Starting from the coping/deck to the first step)	2 <sup>nd</sup> Step:	in.	5 <sup>th</sup> Step:		in.
	3 <sup>rd</sup> Step:	in.	Bottom Step	to Pool Floor:	in.
Note: Step risers must be 7½ inches or less if the pool surface area is 1500 sq. ft. or more					
Surface area of each tread:	1 <sup>st</sup> Step:	sq. in.	4th Step:		sq. in.
(Note: Minimum 240 square inches)	2nd Step:	sq. in.	5 <sup>th</sup> Step:		sq. in.
	3 <sup>rd</sup> Step:	sq. in.	6 <sup>th</sup> Step:		sq. in.
Depth of each tread:				_ in.	
Handrails installed so handrail leading edge 8 inches inside the leading edge of the botton		ches beyond, nor	□ Yes □	l No	
If deck is more than 12 inches above water l	evel, are handh	olds provided?	□ Yes □	∣No □ Not Ap	plicable
Please Provide the Followin	ng Informat	ion on the Prop	osed Wall	king Surfaces	S
Type of material used to construct the walking surfaces surrounding the pool: (Note: Specification sheets must be provided for tile and all other flooring products to show it is non-slip.)				nished Concrete	□ Tile
If your pool is larger than 1500 sq. ft., how many sq. ft. is your proposed deck? (Note: Deck must be sized to provide at least 16 sq. ft. per bather when the pool surface area is greater than 1500 sq. ft.)			sq. ft.		
Type of material used to construct the walking surfaces leading to the restrooms and locker rooms: (Note: Specification sheets must be provided for tile and all other flooring products to show it is non-slip.)			nished Concrete	□ Tile	
Type of material used to construct the walking surfaces in the restrooms and locker rooms: (Note: Specification sheets must be provided for tile and all other flooring products to show it is non-slip.)			nished Concrete	□ Tile	

Slope to drain of the above walking surfaces: (Note: Slope must be at least ¼ in. per foot to drain)	
Sufficient drains to prevent standing water on all walking surfaces?	□ Yes □ No
Any gaps or abrupt edges greater than ½ in. on any walking surface?	□ Yes □ No
Hose bibs spaced no more than 150 feet apart around the deck?	□ Yes □ No
Please Provide the Following Information on Propo	sed Depth Markings
On The Pool Deck:	
Size of the depth markings: (Note: Must be at least 4 inches high)	in.
Depth markings non-slip?	□ Yes □ No
<b>Depth markings a contrasting color?</b> (Note: Pool depth markings placed on the deck must be within 18 inches of the water's edge, be easily readable while facing the pool, placed at minimum and maximum water depths and all points of slope change, and spaced no more than 25 feet apart.)	□ Yes □ No
Inside the Pool:	
Size of the depth markings: (Note: Must be at least 2 inches high)	in.
<b>Depth markings a contrasting color?</b> (Note: Pool depth markings placed on the sidewall must be in the same locations as the depth markings placed on the pool deck.)	□ Yes □ No
Please Provide the Following Information on Ba	arrier Protection
Minimum height of the barrier:	ft.
Are all doors or gates that allow access into the pool enclosure self-closing? (Note: All doors and gates allowing pool users to enter the enclosure must be self-closing and self-latching unless the facility is life guarded during all hours of operation.)	□ Yes □ No
Are all doors or gates that allow access into the pool enclosure self-latching? (Note: All doors and gates allowing pool users to enter the enclosure must be self-closing and self-latching unless the facility is life guarded during all hours of operation.)	□ Yes □ No
<b>Height of each door or gate latch:</b> (Note: Minimum latch height is 60 inches unless the door or gate is kept locked at all times.)	in.
If the height of any of these latches is less than 60 inches, is a key or other access control system required to enter the pool enclosure? (Note: A solid piece of material at least 18 inches wide must completely surround latching mechanisms less than 60 inches high to prevent unauthorized access into the pool enclosure.)	□ Yes □ No
Doors and gates lockable during periods of non-use?	□ Yes □ No

<b>Material used to construct the barrier:</b> (Note: Drawings of the proposed barrier must be included in the plans, especially if using chain link, wrought iron, brick, flagstone, rock, or other material for barrier walls, columns, or posts.)				_	
Please Provide the F	ollowing Information on Locker	Rooms	and Re	strooms	
Distance from the pool to the restroo	ms:				
Are all fixtures including sinks, toiler stations in the locker room, shower,	ts, urinals, showers, and diaper changing and toilet areas shown on the plans?	□ Yes	□ No		
Soap in non-glass dispensers provide	d at sinks and showers?	□ Yes	□ No		
Single use towels or dryers provided	near sinks?	□ Yes	□ No		
Shower design allows a full-body sho	ower in the nude?	□ Yes	□ No	□ Not Applic	able
Shower interior surfaces water impe	rvious to at least shower head height?	□ Yes	□ No	□ Not Applic	able
Shower water temperature set to not	exceed 120°F to prevent scalding?	□ Yes	□ No	□ Not Applic	able
Please Provide th	e Following Information on the R	Recircul	ation P	ump	
Recirculation pump information	Manufacturer:				
	Model #				
Horsepower:					
Maximum Capacity with Clean Filter =				GPM @	FOH
Minimum Capacity with Dirty Filter (just before backwash) = GPM @ FOH			FOH		
Pump above or below water level?		□ Above	e Water L	evel	
		☐ Below Water Level			
Copy of pump curve provided?		□ Yes	□ No		
Can the pump be isolated by valves f	for service?	□ Yes	□ No		
Piping details shown on the plans?		□ Yes	□ No		
Please Provide the Following Information on the Overflow System					
Skimmer Information	Manufacturer:				
Model #					
Length of weir per skimmer: in.					
Number of skimmers:					
Number of equalizer line fittings:					
Equalizer line fittings conform to ASME A112.19.8 standard [WAC 246-260-031(8)(d)(iii)]?		□ Yes	□ No		

Overflow outlets designed to maintain at least 60% of at all times? [WAC 246-260-031(8)(b)]	minimum percentage of the total recirculation flow through the overflow system			
Flow per linear inch of weir during normal pool operation with a <u>clean</u> filter: (Note: Flow cannot exceed 5 gpm per linear in. of weir during normal operation when the filter is clean. Show calculations on the attached pool calculation work sheet.)		gpm per linear inch of weir		
Flow per linear inch of weir during normal pool operation with a <u>dirty</u> filter: (Note: Flow must be at least 3 gpm per linear in. of weir during normal operation when the filter is dirty. Show calculations on the attached pool calculation work sheet.)		gpm per linear inch of weir		
Please Provide the Fol	llowing Information	on Outlets		
Main drain cover information:	Manufacturer:			
	Model #			
Main drain covers compliant with ASME A112.19.8	Sq. in. of opening per drain	cover:		
standard?	Specification sheets provide	ed? □ Yes □ No		
□ Yes □ No	Installation instructions incl			
Main drain sump information:				
☐ Field Built Sumps		Commencially Manufactured Comme		
1		☐ Commercially Manufactured Sumps		
Note: This requires scale drawings prepared and stamped by an architect or engineer licensed in Washington State. All drawings and other materials related to sump design must be stamped separately by the architect or engineer responsible for the design. A letter from the architect or engineer must also be provided stating that the design(s) conform to the ASME A112.19.8 standard or meets the design specifications of the main drain cover manufacturer.		Note: This requires specifications from the manufacturer stating conformance to the ASME A112.19.8 standard <u>and</u> additional material demonstrating the main drain cover is compatible with the sump.		
Maximum water velocity through all main drains at 1 (Note: Maximum velocity cannot exceed 1.5 ft. per second at calculations on the attached pool calculation work sheet.) [WAC 246-260-031(8)(e)(iii)]	ft. per second			
Main drains located at least 3 feet apart?		□ Yes		
[WAC 246-260-031(8)(e)(iv)(B)] (Note: As measured between the centers of the drain covers)		☐ No Distance: ft. apart		
Number of Main Drains: [WAC 246-260-031(8)(e)(iv)] (Note: Two or more main drains are required)				
Branch line piping equidistant from trunk line? [WAC 246-260-031(8)(e)(iv)(A)]		□ Yes □ No		
Main drains designed so that if one drain is blocked, the remaining main drains are rated to at least 100% of maximum pump flow? [WAC 246-260-031(8)(e)(iv)(D)]		☐ Yes ☐ No – specify:		
Main drain piping properly sized to assure water velo feet per second at 100% flow? [WAC 246-260-031(8)(e)(ii)]	□ Yes □ No			

Proper air gap or backflow prevention connection(s) between the source water	-		☐ Yes – specify:	
Dlagge Dweyide th	a Following Information	on on the		
Flease Frovide th	e Following Information	on the	Fittation System	
Filter information	Manufacturer:			
	Model #			
	<b>NSF Approved?</b> □ Yes □	] No		
	Type (rapid sand, DE, cartridge, etc.):			
	Square feet of filter area: sq. ft.			
	Number of filters:			
Filter application rate	Minimum filter area needed:	sq.	ft.	
Their application rate	Maximum application rate:	gpr	n (Filter Clean)	
	Minimum application rate:	gpı	n (Filter Dirty)	
Air pressure gauges provided for the f	ilter?		□ Yes □ No	
Air relief valve provided?			□ Yes □ No	
Flow meter provided?			□ Yes □ No	
Sight glass provided?			□ Yes □ No	
Please Provide the	Following Information	on the I	Disinfection System	
Type and form of primary disinfectant	☐ Chlorine ☐ Bromine ☐ S	Solid □ Lie	quid 🗆 Gas 🗆 Other:	
Disinfection feeder:	Manufacturer:	Model #	<b>NSF Approved?</b> □ Yes □ 1	No
Chemical feeder:	Manufacturer:	Model #		
Chemical feeders provided to control pH? (Required for pools 50,000 gallons or more and pools using caustic soda or CO <sub>2</sub> .)		02.)	□ Yes □ No	
Chemical feeders for caustic soda or CO <sub>2</sub> ? (Required for pools treated with caustic soda or CO <sub>2</sub> .)		□ Yes □ No		
Chemical and disinfection feeders equipped to automatically shutoff when water flow is interrupted?		□ Yes □ No		
Is a separate chemical storage area provided?		□ Yes □ No		
Please Prov	vide the Following Info	rmation	on Lighting	
Proposed indoor and outdoor light into (Note: Must be at least 10 foot-candles over night-time hours the pool is operating.)			foot-candles	

<b>Proposed light intensity in locker rooms and mechanical rooms:</b> (Note: Must be at least 20 foot-candles)		foot-ca	andles	
Proposed light intensity above the pool surface if facility is indoors: (Note: Must be at least 30 foot-candles.)		foot-ca	andles	
Overhead lighting and underwater lighting sufficient to clearly see the bottom of the pool?	□ Yes	□ No		
All lights positioned above the walking surfaces and pool areas shielded?	□ Yes	□ No		
Please Provide the Following Information on Eme	rgency	Equip	ment	
<b>Location of emergency telephone:</b> (Note: At General Use Facilities – phone should be in or near the enclosure. At Limited Use Facilities – phone must be located within 1 minute access and available at all times)			_	
Location of 16 unit first aid kit and emergency blanket: (Note: Must be accessible during all operational hours)			_	
Lifeguarded Facility – Rescue tubes or buoys and backboard provided?	□ Yes	□ No	☐ Not Applicable	
During Non-Lifeguarded Hours – Reaching poles, double crook life hook, and throwing devices provided? (Note: Pole must be at least 12 feet long)	□ Yes	□ No	□ Not Applicable	
POOL CALCULATIONS				
Bather Load (Pool)				
Bather Load (Outdoor Pools) = Pool Area 5 Feet Deep or Less + Pool Area Greater Than 5 Feet Deep = (15) (30)				
Bather Load (Indoor Pool) = Pool Area 5 Feet Deep or Less + Pool Area Greater Than 5 Feet Deep = (25) (30)				
Main Drain Velocity (Assume 100% of maximum pump capacity through drains)				
		i uranis)		
Total Pump Capacity (gpm) : Total open area in drains (sq. in.) = Main drain velocity (fps)  448.8 (gpm/cu. ft./sec.) 144 (in./sq. ft.)				
NOTE: Maximum main drain velocity cannot exceed 1.5 feet per second				

Maximum and Minimum Flow Thro	ough Skimmers	
Maximum Skimmer Flow Rate (gpm):		
Normal Operational Flow Rate Through Skimmers When Filter Is Clean In gpn Total Linear Inches of Weir for All Skimmers	<u>m</u> =	
Minimum Skimmer Flow Rate (gpm):		
Normal Operational Flow Rate Through Skimmers When Filter Is Dirty In gpm Total Linear Inches of Weir for All Skimmers	<u>1</u> <u>_</u>	
Indicate Minimum Percentage of Total Recirculation Flow Through Skin  NOTE: Flow through skimmers must be maintained between 3 – 5 gpm per lir	near inch of weir during normal pool operation.	
Overflow outlets must maintain at least 60% of the total filter recircular Pools/Master Forms & Letters/Plan Review Checklist-Pools	ation flow at all times.	
All construction shall be in accordance with the information subm modifications have been approved by the Spokane Regional Healt		
Architect/Engineer Signature	Stamp	