



RULE 1 AQUATIC FACILITIES – LICENSE APPLICATION
 CENTRAL VALLEY HEALTH DISTRICT
 Environmental Health Department
 EH 102 (03/2025)

ATTACHMENT 2 – AQUATIC VENUE HYDRAULIC ANALYSIS SUMMARY

Instructions: Complete this form in its entirety and submit as an attachment to an Aquatic Facility Application for the construction of every Aquatic Venue documented in Section 2 of the Central Valley Health District Rule 1 – Aquatics Facilities License Application.

Facility Name	Aquatic Venue Number
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VENUE INFORMATION

Venue Type: <input type="checkbox"/> Pool <input type="checkbox"/> Spa <input type="checkbox"/> Lazy River <input type="checkbox"/> Spray Pad <input type="checkbox"/> Other Interactive Water Play <input type="checkbox"/> Other:	
Venue Shape (e.g. rectangular):	Perimeter (ft):
Length (ft):	Width (ft):
Minimum Depth (ft):	Maximum Depth (ft):
Surface Area (square feet):	Volume (gallons):
Maximum Bather Capacity:	Anticipated Bather Load/Day:
Minimum turnover time per regulation (in hours):	
Shell Type: <input type="checkbox"/> Gunite <input type="checkbox"/> Poured <input type="checkbox"/> Other:	

CIRCULATION SYSTEM INFORMATION

Minimum theoretical total dynamic head (ft): _____
NOTE: Assumes all circulation valves fully open, clean skimmer and pump baskets, clean filter, eye-ball fittings removed from return inlets.
Maximum theoretical total dynamic head (ft): _____
NOTE: Assumes circulation valves set in normal operating position, clean skimmer and pump baskets, dirty filter, eye-ball fittings in place.

EQUIPMENT

PUMPS

Identify number of recirculation pumps (excluding chemical feed pumps):	
PUMP #1	
Type: <input type="checkbox"/> Single speed <input type="checkbox"/> Variable speed	Rated capacity (gpm vs. ft head):
Max. flow rate operating at min. theoretical TDH and max. RPM (gpm):	
PUMP #2	
Type: <input type="checkbox"/> Single speed <input type="checkbox"/> Variable speed	Rated capacity (gpm vs. ft head):
Max. flow rate operating at min. theoretical TDH and max. RPM (gpm):	
PUMP #3	
Type: <input type="checkbox"/> Single speed <input type="checkbox"/> Variable speed	Rated capacity (gpm vs. ft head):
Max. flow rate operating at min. theoretical TDH and max. RPM (gpm):	

EQUIPMENT (CONTINUED)**FILTERS**

Number of filters:	Filter Type: <input type="checkbox"/> Granular Media <input type="checkbox"/> Precoat <input type="checkbox"/> Cartridge
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Area per filter (square ft):	Total filter area (square ft):
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Manufacturer's maximum permissible flow rate per square foot (gpm):

Maximum permissible flow rate per square foot per regulation (gpm):

Maximum permissible flow rate for operation (gpm):

NOTE: based on a) filter area and;
 b) the stricter of manufacturers or regulatory flow rate restrictions.

SKIMMERS

Number of skimmers:

Manufacturer's permissible flow range per skimmer (gpm):

Flow per skimmer (gpm):

NOTE: Includes flow with pool operating at 100% of maximum flow rate through skimmer system

Manufacturer's maximum flow rating per equalizer suction cover:

FLOOR DRAIN (SUCTION)

Number of floor and/or wall drains (N):

Manufacturer's maximum flow rating per drain cover (gpm):

Maximum flow per floor drain (gpm):

NOTE Includes flow with 100 percent maximum theoretical system flow directed through N-1 floor drains

Minimum distance between floor drains (ft):

NOTE: Distance measured center to center

OTHER EQUIPMENT

Number of inlets:

Maximum pipe velocity, suction side (ft/sec):

Maximum pipe velocity, pressure side (ft/sec):

WATER SUPPLY & WASTEWATER DISPOSAL

Source of water for pool:

Source of water for consumption:

Pool water discharges to:

Deck drains discharge to:

Filter backwash discharges to:

Toilet and showers discharge to: