

Application for Pool Plan Review

Instructions

- Submit application attached with plans, and a deposit fee (fee based on cost of project) directly to: Imperial County Division of Environmental Health, 797 Main St., Suite B, El Centro, CA 92243 (Monday-Friday, 8AM-12PM & 1PM-5PM, holidays excluded).
- A deposit is required at the time of application submittal. Account will be billed for time and materials invested during the plan review process.
 - **Plans not be accepted without the full deposit amount.
 - \$250 deposit for projects costing less than \$5,000
 - \$1,000 deposit for projects costing between \$5,000-\$30,000
 - \$1,500 deposit for projects costing more than \$30,000
- If paying with check or money order, such must be payable to: **IMPERIAL COUNTY PUBLIC HEALTH-EHS**. Check must bear a name, address and phone number.
- Submit a minimum of 3 copies of pool construction plans attached to application.
- Assure plans are complete. Incomplete plans will delay the plan review application.
- Plans are reviewed in the order received; a status notification will be provided within 20 working days after submittal date.

Pool Facility Information.

Date of submittal	Name of pool facility				
Pool physical address		City	Assessor's parcel number (APN)		
Name of owner	Owner's address	City	State	Zip Code	
Phone Number	Owner's contact e-mail address				

Billing Information

Responsible billing party for plan review	Billing address	City	State	Zip Code
Name of contact person	Billing contact number (s)	Billing contact number (s)		
Fax Number	Billing contact e-mail address			

Contractor Information

Pool contractor company name				
Pool contractor company address	City	State	Zip Code	Company phone number
Company phone number	Contractor License Number		Contractor License Type	
Contractor's contact person	Contact number	E-mail address		

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Office Use Only

Date:	Amt:	Pay Type:	Ref#:	File#:	Rcvd by:
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Proposed Work

Provide number of pools: Swimming Pool _____ Wading Pool _____ Spa _____ Splash Pad _____ Specialty Pool _____

Total cost of project: _____

Description of proposed work:

Certification & Agreement

I hereby certify penalty or perjury the information supplied on this application is true and correct.

- I understand the permit issued subsequent to this application shall become void and the fee forfeited upon falsification of any portion of this application.
- I am aware that, should a permit be granted, I will be responsible to know and observe all requirements that are currently enforced or may hereafter be put in force pertaining to the above named work.
- I recognize that if my operation fails to meet applicable sanitation laws, regulations, and/or ordinances the Imperial County Environmental Health may suspend or revoke the permit and require closure of the pool site.
- I understand the approval by the Imperial County Environmental Health does not imply any allowance to perform work without meeting the requirements of any other department or agency having jurisdiction.
- I hereby consent to all inspections pertaining to the issuance of the permit and the operation described in this application.
- I understand that the Imperial County Public Health must be notified of all proposed changes in operation.
- I am aware the pool may not operate until a operating Public Pool Permit has been issued.

Signature of applicant _____ Date _____

Printed name _____ Title _____

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District # _____ Plan file # _____

Plans assigned to _____ Approval date _____

Notes/Comments

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Complete One For Per Pool/Spa

Proposed Work	
<input type="checkbox"/> Swimming Pool <input type="checkbox"/> Wading Pool <input type="checkbox"/> Spa <input type="checkbox"/> Splash Pad <input type="checkbox"/> Specialty Pool	
<input type="checkbox"/> New construction <input type="checkbox"/> Resurface/renovation <input type="checkbox"/> Equipment change <input type="checkbox"/> Re-plumbing <input type="checkbox"/> Drain cover <input type="checkbox"/> Drain split	
<input type="checkbox"/> Other _____	

Pool Specifications	
Surface Area	Rectangle or square: (length) _____ x (width) _____ = _____ sq. ft. Circle: 3.14 x (radius) _____ ² = _____ sq. ft. Kidney: [(small width) _____ + (large width) _____] / 2 x (length) _____ x .45 = _____ sq. ft.
Volume	(surface area) _____ x (av. depth) _____ x 7.48gal./cu.ft. = _____ gallons
Turnover Rate	Year pool built _____ Pool: (gallons) / 360 minutes = _____ gpm Spa: (gallons) / 30 minutes = _____ gpm Wading pool: (gallons) / 60min. = _____ gpm
Grates/drain covers manufacturer _____ Model _____	
GPM rating: Floor _____ Wall _____	
Skimmer equalizer cover manufacturer _____ Model _____	
GPM rating: _____ <input type="checkbox"/> Installed on wall <input type="checkbox"/> Other location _____	

Equipment	Existing	New
Filter	Make and Model	
	Type	
Circulation	Make and Model	
Pump	Horse Power	
Jet Pump	Make and Model	
	Horse Power	
Disinfectant	Make and Model	
	Type	
Pipe Size	Suction Return	Suction Return
Flow Meter	Make and Model	
Heater	Make and Model	
	BTUs	
	Other	
	Other	

NOTE: When providing pool plans assure to submit a schematic diagram of the proposed equipment layout. A detailed view of the equipment room and equipment within it noting sufficient room is provided to access equipment for proper operation and maintenance. Include plumbing sizes and type.

Describe any additional changes (i.e., plumbing, electrical, structural, ancillary facilities etc.). Further details may be required for other changes.

California Code of Regulations, Title 22, Article 2

A. Plans (65505). Three complete sets of plans required.

- All pool plans except those for spas drawn to scale of 1/4 inch = 1 foot.
- Plans for spa drawn to scale of 1 inch = 1 foot.
- Final on-site inspection required.
- Call at least 2-5 working days prior to:
 1. Guniting or backfilling
 2. Plastering
 3. Final Inspection for operation

California Building Code

B. Special Pool Classifications. (3103B)

- Accessibility to the physically handicapped person. (3104B)
- Alternate equipment materials and methods of construction. (3105B)
- SPA: Maximum surface area 250 square feet; maximum depth 4 feet.
- Temporary Training Pool: Maximum depth 3 feet.
- Wading Pool: Maximum depth 18 inches; maximum sidewall depth 12 inches.

C. Pool Construction. (3106B)

- Except for SPA, the finish color shall be white.
- SPA pools permitted to be finished in a pastel color other than white.
- SPA pool bench and step edge to be a contrasting color.
- Pool free from projections or recessed areas. EXCEPTION: Benches permitted in SPA pools if the water depth over a bench does not exceed 24 inches.

D. Temporary Training Pool - Additional Requirements (3107B)

- Complies with section. (3106B)
- Installed on a paved level surface which extends at least 10 feet beyond pool walls.
- SPA pool bench and step edge to be a contrasting color.
- Pool free from projections or recessed areas. EXCEPTION: Benches permitted in SPA pools if the water depth over a bench does not exceed 24 inches.

E. Geometry (3108B)

- Geometry of pool conforms to one of the appropriate diagrams at figures 3108B (a)(1) through 3108B (a)(3)
 - EXCEPTION: Special use pools permitted a depth greater than 3-1/2 feet at shallow end.
- Safety rope fasteners required at 4-1/2 feet depth when there is a break in slope.

F. Permanent Markings (3109B)

- Four inch wide line across bottom of pool required at 4-1/2 foot depth. EXCEPTION: Pools with depth not exceeding 5 feet are exempt from requirements.
- Depth markers required at (a) maximum depth, (b) minimum depth, (c) each end, (d) break in slope, (e) on perimeter at increments not exceeding 25 feet. EXCEPTION: SPA and wading pools shall have at least 2 depth markers.
- Pool width greater than 20 feet: Depth markers required on edge of deck.
- Width of lane markings not to exceed 12 inches.
- Design on bottom or sides, which resembles human form prohibited.

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G. Steps and Ladders (3110B)

- If depth in shallow portion exceeds 2 feet, steps or ladders required.
- If depth in deep portion exceeds 4-1/2 feet, ladders are required.
- If pool width exceeds 30 feet, ladders required on both sides at increments not exceeding 100 feet.
- Minimum tread of stairs 12 inches, maximum risers 12 inches. If top steps curved convexly, top steps tread to be at least 18 inches.
- Safety rail extends from deck to a point above top of lowest step. Upper surface of safety rail located at least 28 inches above deck. EXCEPTION: See #6.
- SPA: Two safety rails, required for 12 inch riser; one safety rail required for 9 inch riser. Leading railing edge extends to a point not less than 12 inches from the plan of the bottom riser.

H. Handholds (3111B)

- Located not more than 9 inches above water level. EXCEPTION: Handholds not required at wading pools/
- Bull-nosed coping or cantilevered decking that is not over 2-1/2 inches thick for outer 2 inches. EXCEPTION (1): Other types of handholds permitted at SPAs. EXCEPTION (2): See #3.
- For special use pools used for instruction or competitive swimming, perimeter overflow lip required.
- SPA: Two safety rails, required for 12 inch riser; one safety rail required for 9 inch riser. Leading railing edge extends to a point not less than 12 inches from the plan of the bottom riser.

I. Diving Boards. (3112B)

- Shall be of sufficient structural strength.
- Hand rails provided.

J. Decks. (3113B)

- Four-foot minimum deck to surround pool and rear of diving board. EXCEPTION: Deck required only on 50% of SPA pool perimeter. SPA deck to be at least 4 foot wide at steps.
- Coping shall be slip resistant.
- Six foot clearance between SPA and adjacent pool.
- Deck sloping at least 1/4 inch per foot away from pool.
- If there are deck drains, not more than 400 square feet/drain and drains spaced not more than 25 feet apart.
- Temporary training pool: Deck may be omitted. If raised deck provided, handrail required at perimeter.
- SPA: Landscape planters, flowerbeds, or similar unpaved areas shall not be located within 4 feet of spa.

K. Showers, Dressing Facilities, and Toilets. (3115B)

- One bather/15 square feet of pool surface. Divide factor by 2 to determine sex distribution.
- One shower/50 bathers. EXCEPTION: Showers and dressing facilities not required if available in adjacent living quarters.
- One toilet/60 women; one toilet and urinal/75 men; one lavatory/80 bathers. E

XCEPTION: Restrooms not required if

- required if they are available within 300 feet of pool at living quarters or adjacent building.
- Floors sloped not less than 1/4 inch/feet to drains or other approved surface disposal.
- Shower temperature control which limits temperature to 110° F.

L. Drinking Fountains. (3116B)

- Guarded angle jet drinking fountains required unless water is available at living quarters or adjacent building. Number of fountains based upon one bather/12 square feet and computed at 1 fountain/250 bathers plus an additional fountain for each additional 200 bathers.

M. Hose Bibbs.(3117B)

- Provided at each pool and protected against backflow with minimum of 75 foot of hose.

N. Fencing and Gates.

- Provided at each pool and pool enclosed by 5 feet minimum height fence, building, or enclosure.
- Openings in fence or enclosure not to exceed 4 inches.
- Gate shall be equipped with a self-closing and self-latching device located not less that 3-1/2 feet above deck.
- Emergency exit gate without key.

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O. Signs. (3119B)

- Occupant Load - 1 bather/20 square feet of water surface area except SPA, 1 bather/10 square feet. EXCEPTION: Wading pools exempt.
- SPA warning sign (medical (911) alert and emergency shut off switch)
- "No Diving Allowed" sign for pools less than 6 feet deep.
- Gas chlorine warning sign.
- Warning sign for pools without pool lighting.

P. Indoor Ventilation. (3120B)

- Indoor pools shall be adequately ventilated.

Q. Foundations for Pool Equipment. (3121B)

- Equipment to be mounted on concrete pad and sloped at least 1/4 inch/foot to drain or other approved surface disposal.

R. Gas Chlorine Room. (3122B)

- Room not located below ground level.
- Entry door shall open to the exterior of the building and shall not open directly towards the pool or pool deck.
- Fresh air intake within 6 inches of ceiling.
- Mechanical exhaust which produces at least 60 air changes/hour and is vented to outside air.
- Discharge located at least 10 feet from windows or adjacent building.

S. Turnover Time. (3124B)

- Sufficient capacity to provide a complete turnover of pool/spa water.

T. Recirculation. (3123B & 3125B)

- Flow velocity not to exceed 10 feet/second on inlet piping and 8 feet/second on suction piping.
- Pressure gauge on influent and effluent lines.
- Flow meter.
- Vacuum gauge and suction type filters.
- SPA: Two spa pools permitted to share the same recirculation and treatment system provided that the flow and chlorination are individually metered and adjustable.

U. Pump Capacities - Design Flow. (3126B)

- Pressure D.E. - 60 feet head.
- Vacuum D.E. - 40 feet head.
- Rapid sand - 45 feet head.
- High rate sand - 60 feet head.

V. Water Supply. (3127B)

- Permanently installed line. EXCEPTION: SPA pools, temporary pools and pools less than 1500 gallons are exempt.
- Air gap, vacuum breaker, or double check valve attached to permanently installed line.

W. Filter Requirements. (3128B)

- Rapid sand - maximum 3 GPM/square foot; Backwash minimum 12 GPM/square foot.
- D.E. - maximum 2 GPM/square feet, maximum 2-1/2 GPM for continuous feeding of filter aid for pools 2000 square feet or more.
- High rate sand - suggested maximum 15 GPM/square feet; backwash minimum 15 GPM/square feet.
- All pressure - type filter(s) maximum 3 pounds (PSIG) drop when operating at design flow rate.

X. Disinfectant Feeder (3133B)

- Approved type.
- Minimum capacity - not less than the equivalent of 3 pounds (1KG) of chlorine per day. (PPD) per 10,000 gallons.
- If gas chlorine, scale required.

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Y. Skimmers (3134B.1) (pool area not over 5,000 square feet)

- One skimmer for each 500 square foot or fractional part thereof. (Recessed into pool wall)
- Capable of withdrawing minimum 75% required recirculation capacity.
- Gate valve.
- Equalizer line.

Z. Perimeter Overflow (3134B.2) (Required for pools over 5,000 square feet)

- Capable of withdrawing minimum of 75% required recirculating capacity.
- Channel minimum 3 inches deep; bottom width of channel minimum 3 inches; opening beneath deck into channel minimum 4 inches.
- Channel lip maximum 12 inches below top of deck; rounded lip edge maximum thickness 2-1/2 inches for top 2 inches, minimum thickness 1 inch for top 2 inches.
- Channel outlet minimum 2-1/2 inches spaced not more than 15 feet apart and channel slope to outlets not less than 1/4 inch/ft.
- Channel drain grates 1-1/2 times are of outlet pipe.
- Surge tank storage minimum 1 gallon/square foot of pool surface.
- Automatic surge flow control to make-up water with manual override for maintaining pool water level.

AA. Bottom Drain. (3134B and 3108B and 116064)

- Designed so that the pool can be emptied.
- Gate valve.
- Grated removable only with tools.
- SPA ONLY - Duplicate drains for both the recirculation system and aeration/jet system or single drains with safety covers for both systems.
- Wading Pools - shall have at least two circulation drains per pump with a minimum of three feet distance between drains in any dimension.

BB. Inlets (2-9042)

- Minimum of 2 inlets for the first 10,000 gallons and one inlet for each additional 10,000 gallons or fractional part. EXCEPTION: minimum of 1 inlet permitted at SPA.
- Located not less than 18 inches below waterline. EXCEPTION: SPA and wading pools exempt.
- Pools greater than 40 feet width: one floor inlet/10,000 gallons or fractional part.

CC. Aeration/jet system. (SPA ONLY) (3135B)

- Shall be separate from filtration system and not interconnected with non-spa pool.

DD. Waste Disposal (3137B)

- Sight glass (not required if readily visible air gap connection to sewer provided).

EE. Electrical (Article E680 and 680-20-21 (116049.1))

- *Underwater light and area lighting if pool used at night.
- SPA emergency shut-off switch.
- See Sections 3-680-6 and 3-680-12.
- *Ground-fault circuit interrupters in the branch circuit of all underwater wet-niche light fixtures.
- Encapsulated terminals in all light fixtures.

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