



# POOL FACILITIES: OPERATIONAL REQUIREMENTS AND PLAN CHECK PROCESS

County of San Diego

Department of Environmental Health and Quality

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# PUBLIC POOL REGULATORY CODES

- California Health and Safety Code
- California Electrical Code
- California Code of Regulations
  - Title 22: Governs pool operation standards for all public pools
- California Building Code
  - Title 24: Governs construction requirements for all public pools

# POOL PROGRAM

- The CCR 65501(h) & CBC 3102B 113789 defines any public swimming pool, public bathhouse, public swimming place, and public bathing place that is or includes an artificial basin, chamber, or tank constructed or prefabricated with impermeable surfaces and such pools, bathhouses, and places are used or intended to be used for public swimming, diving, or recreational water activities. "Public Pool" does not include individual therapeutic tubs or baths where the main purpose is cleaning of the body. Any manmade lake or swimming lagoon with a sand beach or sand bottom is not a public pool.
- DEHQ regulates more than 7,300 public pool facilities in San Diego County.
- Our Registered Environmental Health Specialists (REHS) conduct more than 14,000 inspections at pool facilities each year. The Plan Check Unit reviews about 400 new pool and remodel submissions each year.

# OPERATIONAL REQUIREMENTS





# RISK FACTORS AND INTERVENTIONS

Maintaining a safe pool can help prevent injury, illness, and death.

Potential illnesses that can spread from using a swimming pool include *Cryptosporidium*, *Giardia*, and *Pseudomonas Aeruginosa* infection.

The CDC reports that drowning is a leading cause of death for children.



# RISK FACTORS AND INTERVENTIONS

Assuring that major **risk factors** do not occur is vital to maintaining a safe pool

Interventions for controlling these risk factors are:

1. Record keeping
2. Demonstration of knowledge
3. Maintenance review
4. Operational review





# VIDEO: TESTING THE WATERS



# CRITICAL VIOLATIONS - CLOSURE

- Sanitizer level outside the approved range (low or high)
- Improper pH (low or high).
- Failure to meet microbiological (well systems) standards.
- The bottom of the pool, at the maximum depth, cannot be seen due to poor water quality.
- Main drain cover(s) or suction outlet covers missing, broken, loose, or not an approved anti-entrapment type.
- Enclosure broken or not adequate.
- Pool gates or doors not self-closing and self-latching.



# CRITICAL VIOLATIONS - CLOSURE

- Lack of any safety equipment.
- Recirculation system is not properly operating or is off during pool hours of operation.
- Water temperature above 104°F.
- Spa emergency shut off switch does not properly function.
- Presence of inhalation hazards.
- Any condition which may threaten the public health, welfare, or safety is found to exist and cannot be immediately corrected (e.g. fecal matter in water, unapproved chemical storage, foreign items or chemicals in the pool, loose or missing underwater light, etc.).

# WATER CHEMISTRY

	Free Chlorine Residual parts per million (ppm)				Bromine Residual (ppm)		pH	
	Without Cyanuric Acid		With Cyanuric Acid					
	Min	Max	Min	Max	Min	Max	Min	Max
Public Pools	1.0	10.0	2.0	10.0	2.0	-	7.2	7.8
Public Spas, Wading Pools, and Spray Grounds	3.0	10.0	3.0	10.0	4.0	-	7.2	7.8

# RECIRCULATION SYSTEM

- Suction Outlet Covers/Fittings
- Pump
- Filters
- Chemical Feeders
- Skimmers/perimeter overflow systems
- Valves
- Pipes
- Anti-entrapment Devices or Systems
- Clean & Clear Water

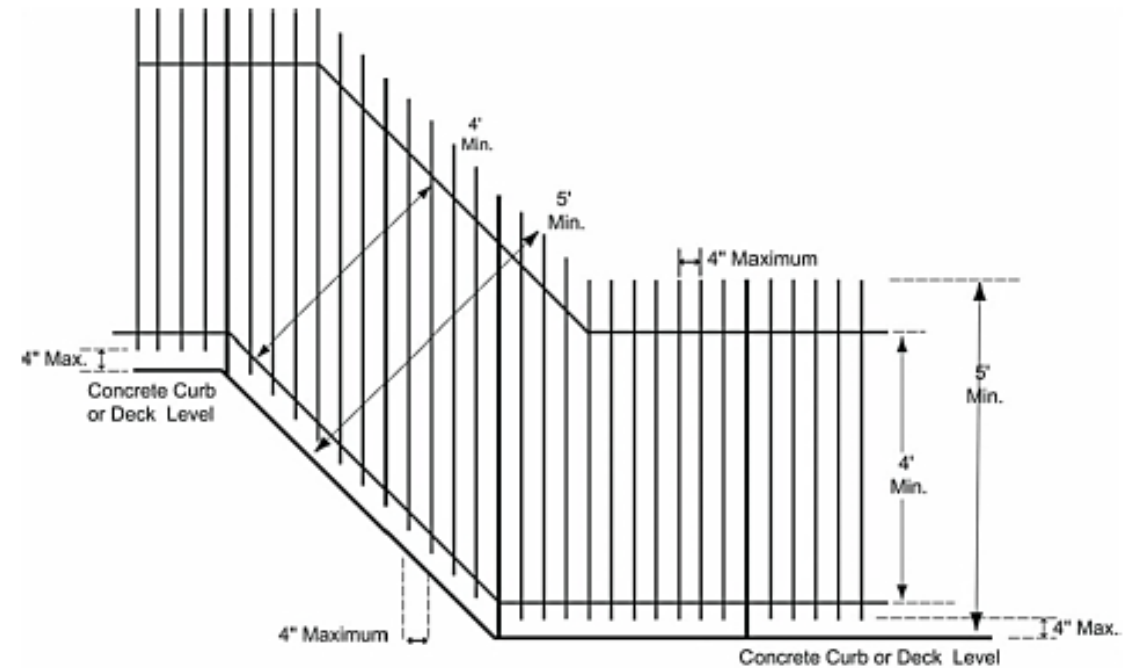
Recommend recirculation system operate 2 hours before normal hours of operation.





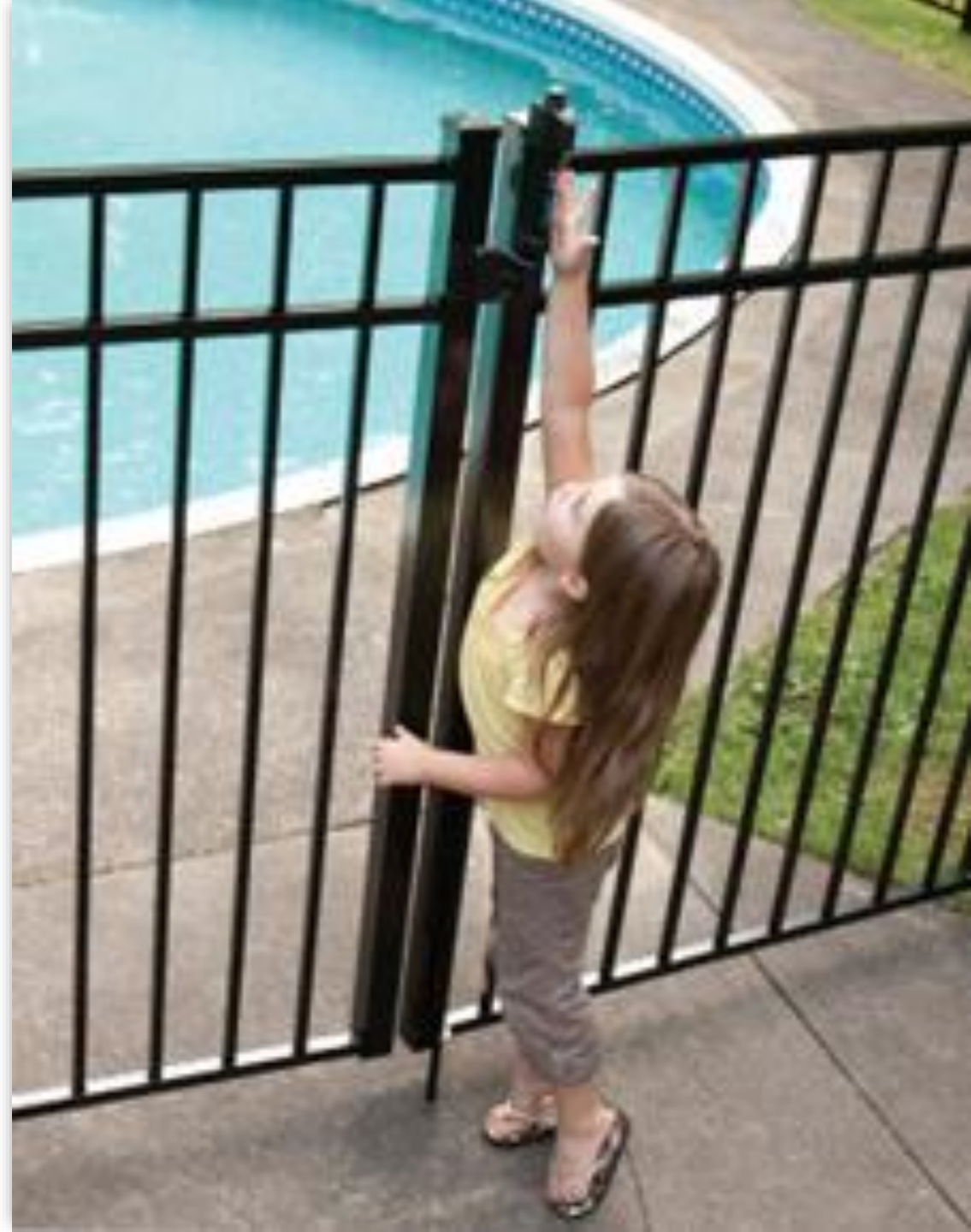
# ENCLOSURES

- Before July 1, 1994 - Minimum 4 feet high
- After 1994 - Minimum 5 feet high
- Max 4-inch gaps between vertical bars
- Max 2-inch distance to ground over dirt or grass.  
All new and remodeled enclosures after September 1, 2012 must have a max 4-inch distance to ground over durable material (concrete or concrete like)
- Horizontal members minimum 4 feet apart



# ENCLOSURES - GATES

- Self-closing
- Self-latching
- Opening hardware minimum 3 ½ feet (42 inches) above the ground
- Exception to self-latching: doors leading from areas of hotels open to general public (restaurants, lobbies, bars, etc.)



# LIFESAVING EQUIPMENT

- Life Ring w/ Attached Rope
  - 17-inch-minimum (exterior diameter) life ring.
  - Rope should be long enough to span the entire width of pool.
- Body Hook w/ Pole
  - Provide 12-foot pole with body hook permanently attached.
- For pools greater than 75 feet in length or 50 feet in width, provide life ring and rescue pole on opposing sides







# SPA SAFETY

- 104°F max water temperature
- Emergency shutoff switch
  - 1982-1984 – Required to shut off only main pump, not jets.
  - 1985 – Required to shut off all suction pumps for newly constructed spas.
  - Max 5 feet from spa.



# FECAL INCIDENTS

- Formed stool
  - Chlorine >2.0 ppm,  $\geq 77^{\circ}\text{F}$ , pH 7.2 – 7.5 for at least 25 minutes
- Diarrhea
  - Chlorine 20.0 ppm for 12.75 hours ( $\geq 77^{\circ}\text{F}$  , pH 7.2 – 7.5)
  - If stabilizer is present, Chlorine 40.0 ppm for 30 hours ( $\geq 77^{\circ}\text{F}$  , pH 6.5)



County of San Diego  
Department of Environmental Health and Quality  
(858) 505-6900

**POOL/SPA  
CLOSED**

By Order of the Department of  
Environmental Health and Quality

The Conditions Observed Present an Imminent Risk to  
the Public Health and Safety and Shall Not Re-open  
Without Written Consent From This Department  
(CALIFORNIA CODE OF REGULATIONS SECTION 65545, SAN DIEGO COUNTY CODE SECTION 67.303)

Facility Name: \_\_\_\_\_

Location of Facility: \_\_\_\_\_

Specialist: \_\_\_\_\_ Phone: \_\_\_\_\_

The Department of Environmental Health and Quality inspection on \_\_\_\_\_  
found the following hazardous conditions:

<input type="checkbox"/> Improper Water Chemistry	<input type="checkbox"/> Entrapment Hazards
<input type="checkbox"/> Safety/Electrical Hazards	<input type="checkbox"/> Unsafe Gates/Fencing
<input type="checkbox"/> Water Clarity	<input type="checkbox"/> Other: _____

Penalty for Unauthorized Removal of this Notice

DEHQ:FH-431 (Rev. 7/22)

# PLAN CHECK PROCESS





# OVERVIEW

- Review of Plan Check Process
- Plan Check Program Update

# PLAN CHECK PROCESS: PLAN SUBMITTAL

## WHAT AND WHY?

- Plans are a graphic representation of the proposed facility which includes utility connections and equipment.
- **CBC 3103B Plan Review**
- **3103B.1** A person proposing to construct, renovate or alter a pool, ancillary facilities or equipment and appurtenances shall submit plans and specifications detailing compliance with this chapter to the enforcing agent for review and written approval prior to commencing construction and shall first be cleared by the enforcing agent before substitution if not an exact duplicate of the units being changed or replaced. A local building department shall not issue a permit for a public pool or ancillary facility until the plans have been approved by the enforcing agent.

# PLAN CHECK PROCESS: PLAN SUBMITTAL WHO?

- All locations/facilities that are proposing:
  - New builds
  - Remodels
  - Change of equipment
  - Restroom/Shower changes
  - Enclosure changes
  - Changes/addition of amenities (Fire Pits, BBQs, TVs, Games, etc.)
- Plans shall be submitted and approved before construction work begins



# PLAN SUBMISSION

- Plan Submission
  - For every newly built or remodeled pool facility
  - Plan submission is required prior to construction
  - 1 digital file if submitted online
- Plan Review Process
  - Plan Submittal
  - Plan Review (within 20 business days)
  - Plan Approval (construction can then begin)
    - *Note: Building Approval Also Needed (for newly build pools and major renovations)*
  - Facility Inspections (pre-gunite, pre-plaster, and final)
  - Approval for Operation (pending health permit application and permit fee payment)

# PLAN SUBMISSION WHAT IS NEEDED?

- Plan Packet
  - Plans - 3 sets if paper or 1 set if digital
  - Application (not needed if digital)
  - Fees
  - Specification sheets
  - Samples of plaster and/or tile finishes
  - Any other supporting documentation

**County of San Diego**  
DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY  
FOOD AND HOUSING DIVISION  
PUBLIC POOL AND MISCELLANEOUS ACTIVITIES PLAN CHECK  
APPLICATION  
[www.sdcphhs.org](http://www.sdcphhs.org)

MAIN OFFICE SAN DIEGO  
5500 Overland Ave #110  
SAN DIEGO, CA 92123  
(619) 595-6660

(For office use only)  
PLAN CHECK # \_\_\_\_\_  
ISSUED DATE \_\_\_\_\_  
AMT PAID \_\_\_\_\_  
CHECK # \_\_\_\_\_

**PART I**

**FACILITY BUSINESS AND CONTACT INFORMATION**

☐ NEW/IT ☐ RENOVATION ☐ REMODEL ☐ CONSULTATION ☐ REVISION ☐ OTHER

Facility Name \_\_\_\_\_ Assessor's Parcel No. \_\_\_\_\_  
Facility Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

**BUSINESS OWNER:**  
Name \_\_\_\_\_ Company \_\_\_\_\_  
Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone ( ) \_\_\_\_\_ Fax ( ) \_\_\_\_\_ E-Mail \_\_\_\_\_

**DESIGNER/CONTRACTOR:**  
Name \_\_\_\_\_ Company \_\_\_\_\_  
Mailing Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
E-Mail Address \_\_\_\_\_ State Contractor's License if applicable \_\_\_\_\_  
Contact Person \_\_\_\_\_ Contact Phone ( ) \_\_\_\_\_  
Contact Fax ( ) \_\_\_\_\_ Contact E-Mail Address \_\_\_\_\_

**POOL FACILITY INFORMATION**

Total # of Pools at Site: \_\_\_\_\_ Total Square Feet of Each Pool: \_\_\_\_\_ Projected Construction Completion Date: \_\_\_\_\_

**TYPE OF POOL (s)**

☐ Pool ☐ Spa ☐ Water ☐ Therapy/Medical ☐ Interactive Water Feature ☐ Competition  
☐ Instructional ☐ Spray Pad ☐ Diving ☐ Slide Landing Pool ☐ Water Attraction ☐ Special Purpose

If Special Purpose, explain? \_\_\_\_\_

Perimeter Overflow Pool(s) ☐ Yes ☐ No Indoor Pool ☐ Yes ☐ No

MAJOR RENOVATION: changes to existing pool shell or plumbing from pool ☐ Yes ☐ No Describe: \_\_\_\_\_

REMODEL: for rec. bldg with sanitary facilities or water feature addition to existing pool ☐ Yes ☐ No Describe: \_\_\_\_\_

SEWER ☐ Public ☐ Septic/Private WATER ☐ Public ☐ Well/Private (If private contact Land Use at (619) 565-5173)

Identify the municipal water and wastewater district \_\_\_\_\_

Restrooms: Are separate toilet facilities for men and women located within 100 feet of the public pool? ☐ Yes ☐ No

**SANITARY FACILITIES** (Indicate for new pools, remodels and major renovations)

	Number of Toilets	Number of Urinals	Number of Sinks	Number of Showers	Number of Drinking Fountains
MEN					
WOMEN					

**OTHER ACTIVITIES**

☐ MASSAGE ☐ BODY ART ☐ PERMANENT COSMETICS ☐ BODY PIERCING ☐ OTHER

**COMPLETE PART II**

FOOD & HOUSING DIVISION-PLAN CHECK P.1

**County of San Diego**  
DEPARTMENT OF ENVIRONMENTAL HEALTH AND QUALITY  
FOOD AND HOUSING DIVISION  
5500 Overland Ave. #110 San Diego, CA 92123  
(619) 595-6660 [www.sdcphhs.org](http://www.sdcphhs.org)

**PLAN CHECK APPLICATION**  
**PUBLIC POOL - MINOR REMODEL OR RENOVATION**

**FOR OFFICE USE ONLY**

Permit #: \_\_\_\_\_ Plan Check #: \_\_\_\_\_ Received Date: \_\_\_\_\_ Fee: \_\_\_\_\_

**FACILITY INFORMATION**

Facility Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
Facility Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Email: \_\_\_\_\_ Assessor's Parcel No.: \_\_\_\_\_

**OWNER INFORMATION**

Owner Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
Owner Contact Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Email: \_\_\_\_\_

**CONTRACTOR / DESIGNER / SUBMITTER INFORMATION**

Designer/Submitter Name: \_\_\_\_\_ Phone Number: \_\_\_\_\_  
Contact Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Contractor/Builder Name (if other than Submitter) \_\_\_\_\_ California Contractor's State License Board Type: \_\_\_\_\_ License No.: \_\_\_\_\_  
Email: \_\_\_\_\_

**PROJECT DESCRIPTION**

Check one

☐ Minor Remodel - An alteration or modification to any part of the facility that does not require demolition of the structure. (includes, but not limited to: resurfacing, tile lines, handrails, deck work, enclosure changes, above ground plumbing and equipment changes, ancillary facility changes, and solar heater installation)

☐ Renovation - Limited replacement or changes to the below ground plumbing of a BOW. (includes, but not limited to: split section outlets, surge tanks, and main drain alterations, and changes to a pool shell that includes steps, tapers, or depths of the BOW typically associated with resurfacing)

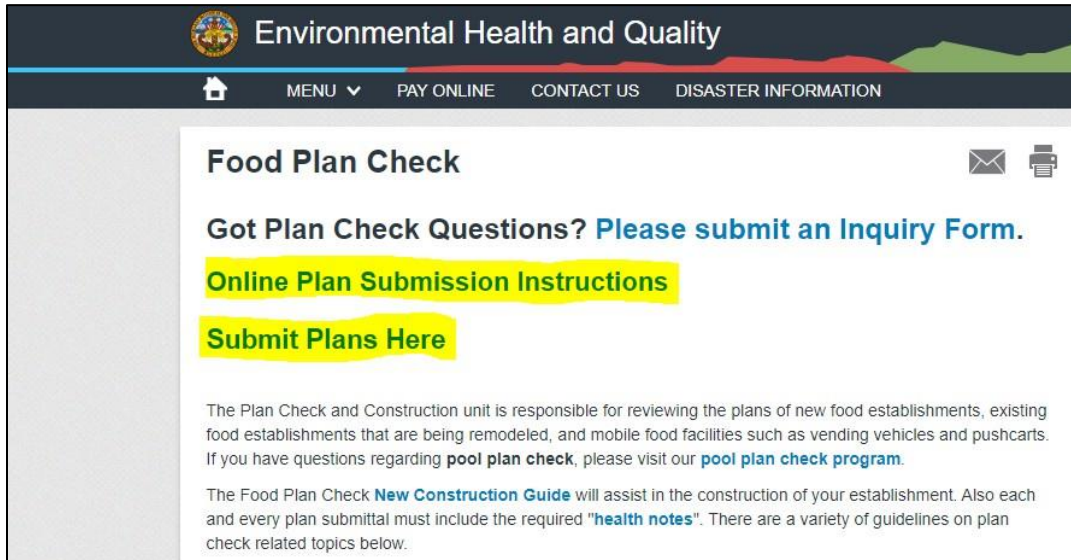
☐ Single Unit Equipment Replacement - The replacement of an existing single piece of equipment with a unit of the same function, in the same location, and meets similar specifications as the existing equipment. An appointment must be made prior to submitting the necessary information over the counter or online for review by an inspector. (includes, but not limited to: filter, heaters, and pump replacement) NOTE: Replacing the equipment with a unit of the exact same make, manufacture, and model number, no submittal is required.

Describe Scope of Work in Detail: \_\_\_\_\_

**For Each Body of Water:** In addition to this application, attach 3 copies of a diagram for each body of water and include the details identified in the "Remodel and Ancillary Facilities Information" section of this application on the diagram. For all new and existing equipment, submit one set of specification sheets that includes all product specifications such as make, model number, maximum capacities, pump curves, and NSF-50 approval.

# PLAN SUBMISSION - HOW?

- Submitting Plans
  - Preferred and most efficient method:
    - Submittal Portal – Accela Citizen Access  
<https://publicservices.sandiegocounty.gov/CitizenAccess/Default.aspx>
  - Submittal Instructions & Link available on the Plan Check Website
    - [www.sdcountyplanchek.org](http://www.sdcountyplanchek.org)
  - If paper plans to be submitted, submit in-person at our office



The screenshot shows the 'Environmental Health and Quality' website. The main heading is 'Food Plan Check'. Below it, a yellow box highlights 'Online Plan Submission Instructions' and 'Submit Plans Here'. The text explains that the Plan Check and Construction unit reviews plans for new food establishments, existing establishments being remodeled, and mobile food facilities. It also mentions that the Food Plan Check New Construction Guide will assist in the construction of the establishment.

**Environmental Health and Quality**

MENU ▾ PAY ONLINE CONTACT US DISASTER INFORMATION

## Food Plan Check

Got Plan Check Questions? **Please submit an Inquiry Form.**

**Online Plan Submission Instructions**

**Submit Plans Here**

The Plan Check and Construction unit is responsible for reviewing the plans of new food establishments, existing food establishments that are being remodeled, and mobile food facilities such as vending vehicles and pushcarts. If you have questions regarding **pool plan check**, please visit our **pool plan check program**.

The Food Plan Check **New Construction Guide** will assist in the construction of your establishment. Also each and every plan submittal must include the required **"health notes"**. There are a variety of guidelines on plan check related topics below.



The screenshot shows the 'San Diego County.gov' website. The main heading is 'San Diego County.gov'. Below it, the 'DEHQ' (Department of Environmental Health and Quality) section is highlighted. The page includes a search bar, a navigation menu, and a list of links for 'Pay Your Fees, Apply for a Permit or Search'. It also provides instructions for online applications and a search for records.

**San Diego County.gov**

Announcements Register for an Account Login

Search...

Home APCD AWM **DEHQ** DPW PDS

Create an Application Search Applications

### Pay Your Fees, Apply for a Permit or Search

**Pay Your Fee Online**  
To pay your fees online, follow the steps below or follow use [step-by-step instructions](#) in English or [Espanol](#).

1. Enter your record number (permit number) from your invoice in the Record Number field.
2. Click on the Search button near the bottom of the page.
3. Click on the Pay Fees link.
4. Review your fees and click on Continue Application.
5. Select a payment method and complete all required information. Click Submit only one time.
6. Print your receipt.

**Online Application**  
You must be a registered user to apply for an online application. Please Login to your account or Register for an Account before proceeding.

**Search for Records**  
Enter information in the General Search section below to search for records.

- Site Address
- Contractor License Information
- Parcel Number
- Record Information
- Contact Information

Select the search type from the drop-down list.

General Search

# PLAN SUBMISSION - HOW?

- New Minor Remodel/Renovation Template Submission Package



**County of San Diego**  
DEPARTMENT OF ENVIRONMENTAL HEALTH & QUALITY  
PUBLIC SWIMMING POOL PROGRAM  
P.O. BOX 129261, SAN DIEGO, CA 92112-9261  
[www.sdcountyplancheck.org](http://www.sdcountyplancheck.org)  
Plan Check Scheduling Line: (858) 505-6660

POOL, SPA, WADER - MINOR REMODEL/RENOVATION PLAN SUBMITTAL PACKAGE

A public pool is defined in the California Building Code, Title 24 as an artificial basin, chamber, or tank constructed or prefabricated with impermeable surfaces that is used or intended to be used, for public swimming, diving, or recreational activities. Any renovation or remodeling to the pool or its ancillary facilities is required to be reviewed by this Department via plan submission (Title 24-3103B).

This packet can be used to draw or sketch your proposed pool/spa/wader Minor Remodel or Renovation scope of work and submit to our department for review and approval. You may draw your own plans using this document as guidance, but all items listed in this document must be represented in your submitted plans. Operators are required to have all plans approved prior to the start of construction work to prevent any additional costs that would be incurred if modifications are needed should changes be noted on the plans. **All items provided on the following pages are required unless otherwise noted.**

**Definitions:**  
"Minor Remodel" means the remodeling of a Body of Water that includes resurfacing or replastering, decking work, above ground equipment changes, enclosure changes, and related ancillary facility modifications.  
"Renovation" means making modifications to an existing Body of Water that include replacement or changes to the below ground plumbing of a Body of Water, including surge tanks and main drain alterations.

- **Page 2** – For your Scope of Work, check all that applies.
- **Page 2** – Sign and date acknowledgment.
- **Page 3-5** – Complete these pages for each Body of Water (BOW) with a Scope of Work.
- **Page 6-17** – Complete applicable Scope of Work documents. Provide specification sheets and plan drawings as indicated that are relevant to your Scope of Work.
- **Page 18** – Pool Signage Requirements. Any work done will require that all existing signage is updated to meet current code.
- **Page 19-21** – Example overhead drawings.
- **Page 22-24** – Draw or attach your own overhead drawings per body of water.
- **Page 25-27** – Turnover Times and Other Formulas

Home APCD AWM **DEHQ** DPW PDS

Create an Application Search Applications

Select an Application Type

You must be a registered user to apply for an online application. Please Login to your account or Register for an Account before proceeding.


Please select the Record Type application you wish to submit.

First, select the relevant division within the Department of Environmental Health from the category dropdown below, noting that:

CHD - Community Health Division  
FHD - Food and Housing Division  
HMD - Hazardous Materials Division  
LWQD - Land & Water Quality Division

Next, click the radio button beside the desired Record Type and click 'Continue Application'.

For assistance or to apply for a Record Type not listed below please contact us.



▼ FHD - Food and Housing Division

☐ New Plan Submission – Food/Mobile Food/Body Art/Massage  
☐ New Plan Submission – Public Pool  
☐ New Plan Submission – Public Pool Template  
☐ Plan Resubmittal – All Facility Types (Revision/Recheck/Blue Tag)

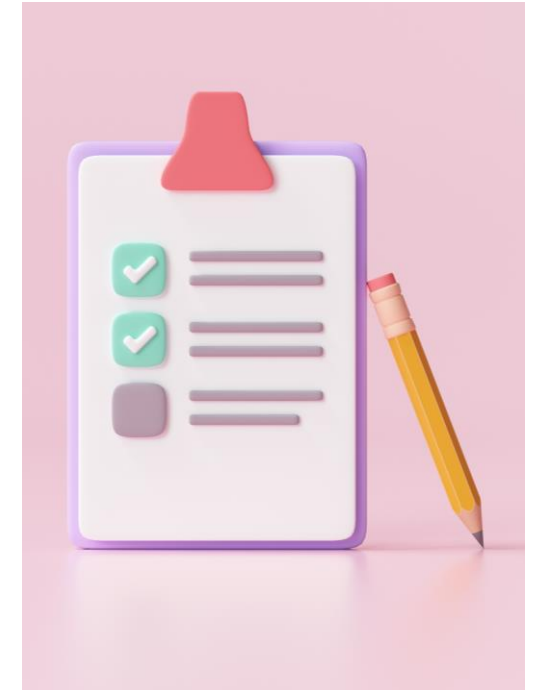


# PLAN CHECK CONSTRUCTION INSPECTIONS

- After the approval of plans, inspections need to be conducted while construction is occurring to ensure the facility is being built to the approved plans
- For **NEWLY** built pools or **MAJOR** remodels there are 4 allotted inspections and could be a combination of the following:
  - Preliminary/Plumbing Inspection (Optional)
  - Pre-Gunite/Plumbing Inspection (Required)
  - Pre-Plaster Inspection (Required)
  - Final Inspection (100% Complete & Required)
  - Any additional inspections would be charged an inspection fee
- After Final Inspection, facility will be given approval to operate (pending health permit application submittal and permit fee payment)

# PLAN CHECK CONSTRUCTION INSPECTIONS

- For pool **RENOVATIONS** there are 2 allotted inspections and could be a combination of the following:
  - Plumbing Inspection (Required)
  - Final Inspection (100% Complete & Required)
  - Any additional inspection after the 2 inspections would be charged an inspection fee
- For a **MINOR** pool remodel there is 1 allotted inspection:
  - Final Inspection (100% Complete & Required)
  - Any additional inspection after the 1 inspection would be charged an inspection fee



# Plan Check Updates – TDH & SOFAs

- Suction Outlet Fittings Assembly (SOFA) standards updated in 2017 and 2020.
  - ANSI/APSA/ICC-7 updated in 2020
  - ANSI/APSA/ICC-16 updated in 2017
- Suction Outlet Fittings Assembly (SOFA) – all components, including the cover/grate, used to attach a cover/grate(s) to the finished surface of a pool and to an individual suction system
- Total Dynamic Head (TDH) – the total amount of pressure a pump needs to exert on a fluid to move it through a system. It is measured in feet and is a key factor in pump specifications.
  - Multiple ways to calculate TDH.
    - Using the system's piping or system's dynamics (pressure/vacuum).

# Plan Check Updates – TDH & SOFAs

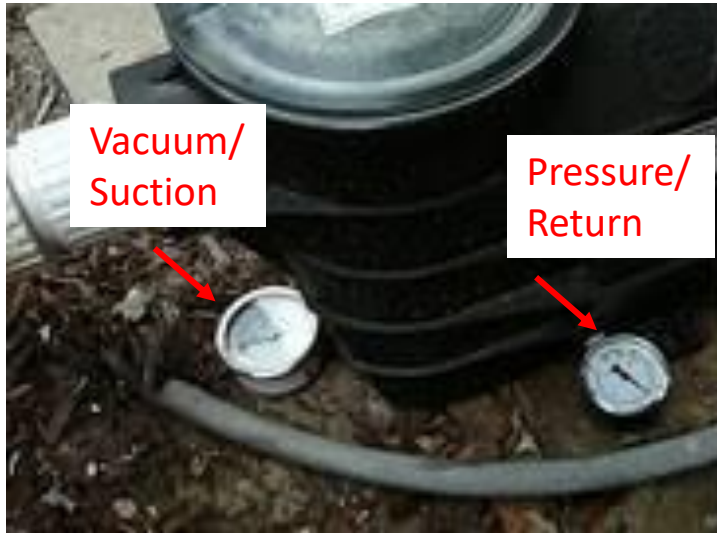
- Applicable codes:
  - CBC (Title 24) 3126B.3 – every public swimming pool shall be equipped with anti-entrapment devices or systems that comply with ANSI/APSP/ICC-16 performance standard, or successor standard designed by the Federal Consumer Product Safety Commission (CPSC).
  - ANSI/APSP/ICC-16 2017 – Section 1.4 Related Standards: Because the scope of this standard is directly related to suction fittings, it is important to mention that the fittings themselves represent only one portion of the section entrapment scenario. Additional standard to be consulted to provide coverage for the various other potential hazards pools. These other standards include, but are not limited to, the following:
    - ANSI/APSP/ICC-7 2020 - Standard for Suction Entrapment Avoidance in Pools
  - ANSI/APSP/ICC-7 2020 – The term design flow rate will be used to determine the correct pipe size; maximum flow rate will be used to determine the correct suction outlet cover. Flow rates will need to be verified after a project is finished by using a vacuum and pressure gauge, or by using a flow meter that is installed per manufacturer instructions.



# Plan Check Updates – TDH & SOFAs

- Due to ANSI/APSP/ICC-7 2020, the design flow rate and maximum flow rate would be determined in conjunction with the respective total dynamic heads (TDHs).
  - Previously, a system was sized to presumptive TDH based on code.
- Plan Review & Inspection:
  - New/Major Remodel – we will require the design flow rate to size the system, and the maximum flow rate to size the main drain covers.
  - Renovation/Minor Remodel – we will require the maximum flow rate to size the main drain covers.
    - A flow meter, a vacuum gauge (pre-pump), and a pressure gauge (post-pump) will be required to be installed to verify flow rate and TDH. Code section 3125B.2.

# Plan Check Updates – GAUGES AND LOCATIONS

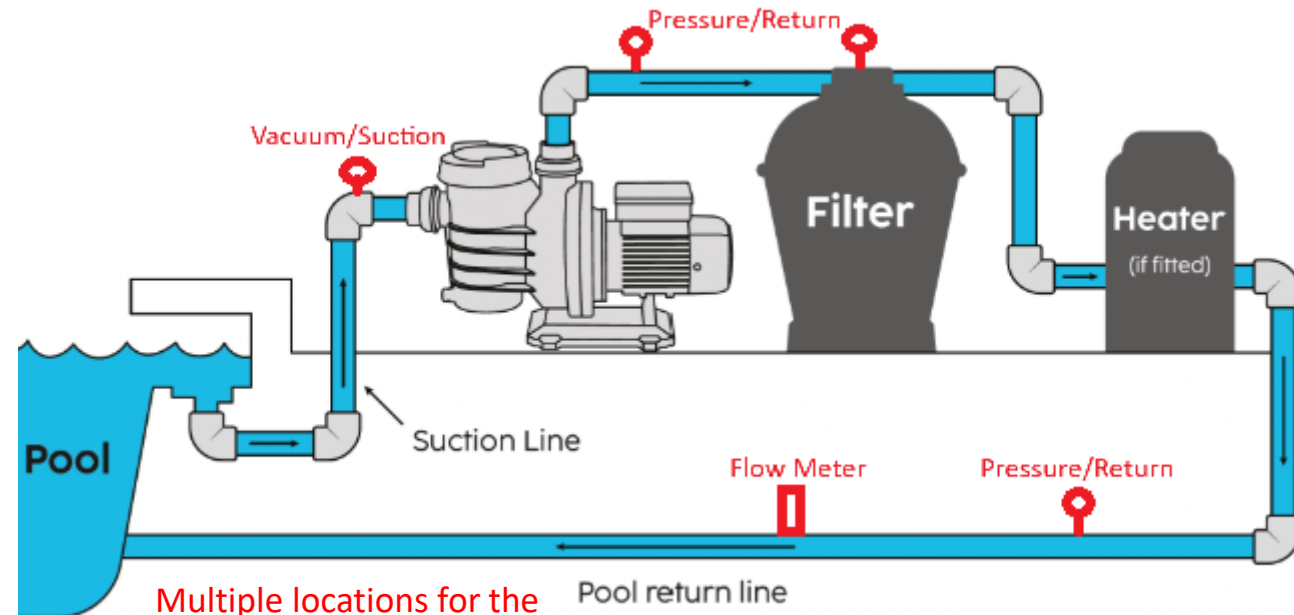
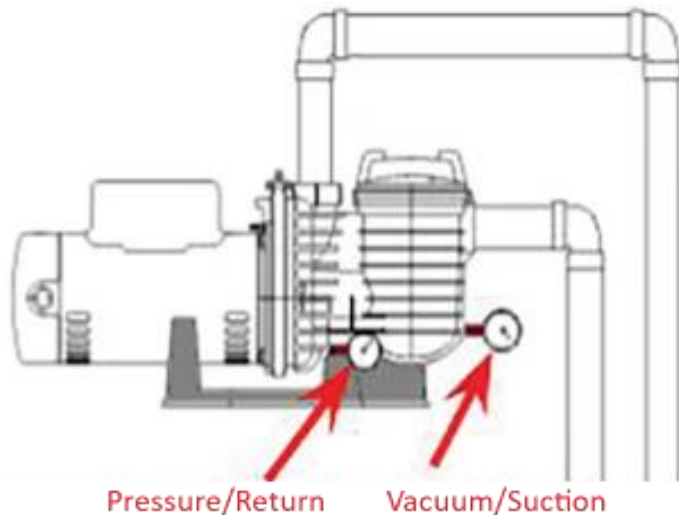


Vacuum Gauge



Pressure Gauge

Code Section: 3125B.2 – A pressure and vacuum gauge shall be provided for each pump system.



Multiple locations for the pressure/return gauge.

# INDUSTRY UPDATE- Guest Speakers

- Steven Barnes, Director of Science and Compliance, Aquastar Pool Products



- Kenneth Gregory, Compliance and Safety Manager, Pentair Water Quality



# CONTACTS

- ▶ Plan Check Supervisor - Yazmin Amado-Vu
  - ▶ [Yazmin.AmadoVu@sdcounty.ca.gov](mailto:Yazmin.AmadoVu@sdcounty.ca.gov)
- ▶ Senior Plan Check Specialist - Nolberto Colon-Droz
  - ▶ [Nolberto.Colon-Droz@sdcounty.ca.gov](mailto:Nolberto.Colon-Droz@sdcounty.ca.gov)
- ▶ For Plan Check General Inquiries:
  - ▶ [www.sdcountyplanchek.org](http://www.sdcountyplanchek.org) – submit an online inquiry
  - ▶ (858) 505-6660
- ▶ For Health Permit Inquiries:
  - ▶ [FHDPermits@sdcounty.ca.gov](mailto:FHDPermits@sdcounty.ca.gov)
  - ▶ (858) 505-6666
- ▶ For General Inquiries:
  - ▶ [fh dutyeh@sdcounty.ca.gov](mailto:fh dutyeh@sdcounty.ca.gov)
  - ▶ (858) 505-6900

Questions?