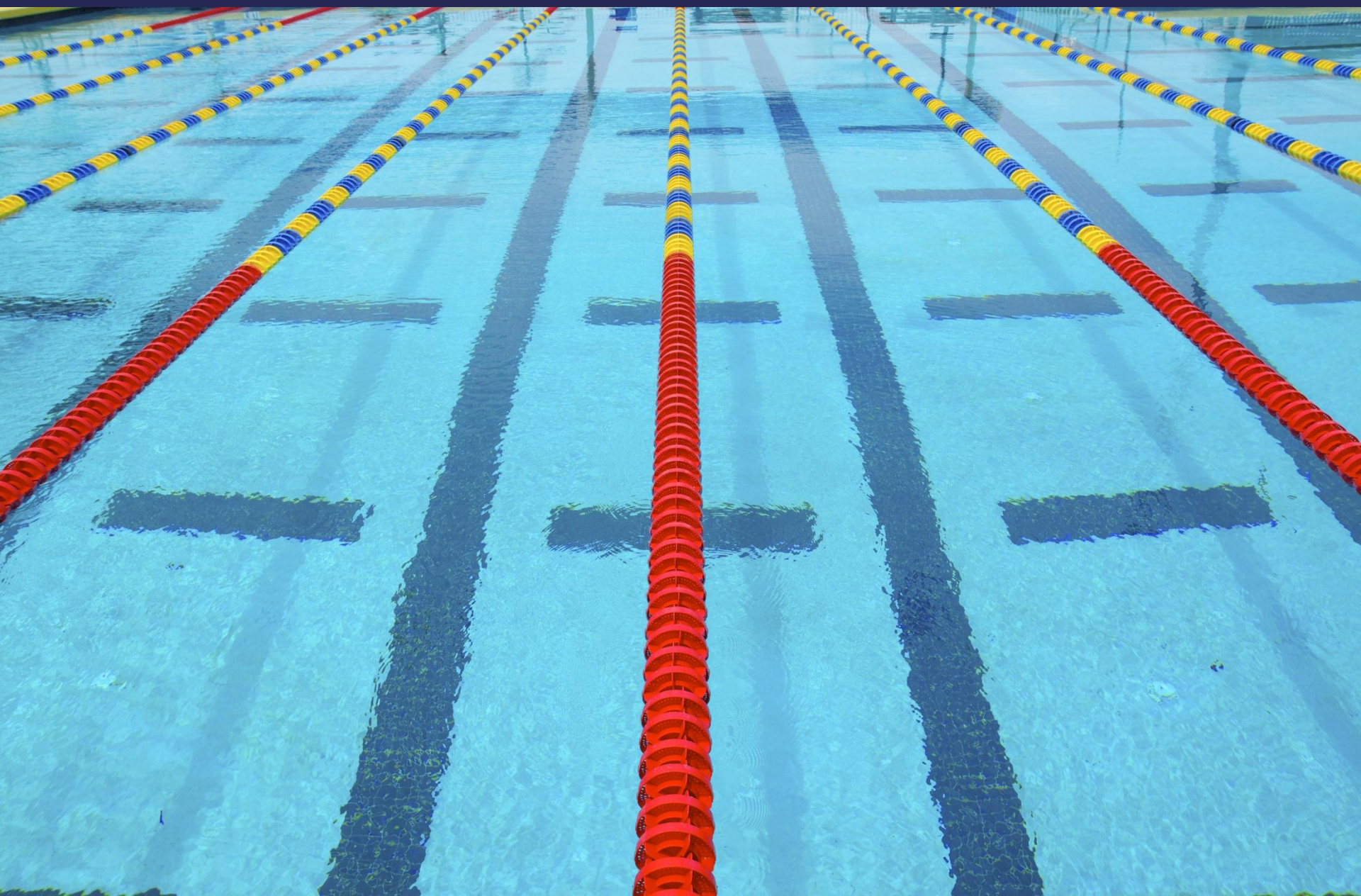


COUNTY OF SAN DIEGO



Department of Environmental Health

Food and Housing Division



TITLE 22 TRAINING

Public Pool Regulatory Codes

- **Health and Safety Code**
- **California Electrical Code**
- **California Code of Regulations**
 - ▣ **Title 22 = Operations Code**
 - Governs Pool Operation Standards for all Public Pools
- **California Building Code**
 - ▣ **Title 24 = Building Code**
 - Governs Construction Requirements for all Public Pools

Title 22 Implementation Timeline

☒ **December 2014**

- ☒ FHD sent mail-out to operators advising them of law changes

☒ **January 1 – June 30, 2015**

- ☒ FHD implements a soft roll-out of new requirements

☐ **February 24, March 5, March 12, and March 26, 2015**

- ☐ FHD will conduct operator outreach

☐ **July 1, 2015**

- ☐ FHD will start enforcing new requirements

MAJOR TITLE 22 CHANGES

Chemistry

		Free Chlorine Residual parts per million (ppm)				Bromine Residual (ppm)		pH	Combined Chlorine (ppm)
		Without Cyanuric Acid		With Cyanuric Acid					
		Min	Max	Min	Max	Min	Max		
Public Pools (excluding spas, wading pools, and spray grounds)	NEW ≥ 01/01/15	1.0	10.0	2.0	10.0	2.0	-	7.2 - 7.8	0.0 - 0.4
	OLD < 01/01/15	1.0	-	1.5	-	N/A	N/A	7.2-8.0	N/A
Public Spas, Wading Pools, and Spray Grounds	NEW	3.0	10.0	3.0	10.0	4.0	-	7.2 - 7.8	0.0 - 0.4
	OLD	1.0	-	1.5	-	N/A	N/A	7.2 - 8.0	N/A

Record Keeping Additions

Daily*: Record concentration of free chlorine/bromine and pH levels

Monthly: Record cyanuric acid level (if used)

Records must be maintained for two years

Daily Records*:	As Required:
• Water temperature of heated pools and spas • Equipment readings • Calibrations • Corrective actions taken	• Combined Chlorine • Maintenance procedures • Repairs • Incident log for: fecal, vomit, blood contamination, near drowning, or drowning incidents

**Record keeping exception: California Health and Safety Code §116048*

Pool operators at housing developments with fewer than 25 units are only required to document the records a minimum of two times per week with no more than 4 days between readings.

Operational Changes

- **Variation in flow rate:**

- Must not fall below **75%** of the rate required by the system.
Previous code allowed for a flow rate reduction of 65%.

- **Response to incidents is now required:**

- Including fecal, vomit, blood contamination, and near drowning/drowning incidents.
Previously this procedure was a recommendation only.

- **Requirements for rescue pole and life rings:**

- All pools exceeding 75 feet in length or 50 feet in width **shall provide** a rescue pole and life ring available on at least two opposing sides of the pool at centralized locations.
Previously only one set of equipment was required.

Pools With Lifeguards: Requirements

Safety Equipment:

- ☐ Red Cross 10-Person Industrial First Aid Kit or equivalent
- ☐ Operating telephone
- ☐ Backboard and head immobilizer

Lifeguard Health: Reporting

- ☐ Pool operator shall report to the enforcement agent when two or more lifeguards or pool users at a public pool report within 5 days of each other that they have had diarrhea.

Updated Critical Closure Violations

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

Updated Critical Closure Violations continued

- 8. **Lack of any safety equipment.**
- 9. **Recirculation system is not properly operating or is off during pool hours of operation.**
- 10. **Water temperature above 104°F.**
- 11. **Presence of inhalation hazards.**
- 12. **Spa emergency shut off switch does not properly function.**
- 13. **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.)**

TITLE 24 UPDATE

Updating Safety Signage

- **When must signs be updated to Title 24 Requirements?**
 - Whenever plan check or building permits are pulled for remodeling/repairs at the pool site
 - For new construction sites as of September 1, 2012
 - ***Highly recommended*** when replacing existing faded or damaged safety signage

ADDITIONAL INFORMATION

RISK FACTORS AND INTERVENTIONS

- Assuring that the following seven (7) **risk factors** do not occur is vital to maintaining a safe pool:
 1. Improper water chemistry
 2. Suction entrapment
 3. Improper recirculation / disinfection system
 4. Improper chemical storage
 5. Safety hazards
 6. Unsecured pool enclosure
 7. Inadequate water clarity
- The **interventions** for controlling these risk factors are:
 1. Record keeping
 2. Demonstration of knowledge
 3. Maintenance review
 4. Operational review

County of San Diego – Pool Inspection Report
Department of Environmental Health-Food and Housing Division
P.O. Box 130691, San Diego, CA 92112-0691 | (619) 595-4900 | (602) 255-4903 www.sdsd.ca.gov

Page _____ of _____

Facility Name: _____ **Permit Holder:** _____
Site Address: _____ **Address:** _____
City: _____ **State:** _____ **Zip:** _____

Date (MM/DD/YYYY): [] / [] / []
Permit #: [] [] [] [] [] []
Permit Type: F R [] [] [] []
COR: [] [] [] [] [] []

Mailing Address: _____
Street No.: _____ **Street Name:** _____

Inspection Type: Routine Reinspection Completed Environmental Other
Time Spent: [] [] [] [] [] [] [] [] [] [] [] []

Census Track: _____
Pools on Permit: _____
Lookbox Location: _____

Inspn Compliance	Noted Observed	N/A Not Applicable	OUT: Not in Compliance	COR: Corrected Onsite	Post #
RISK FACTORS					
IN	NO	NA	OUT	COR	1 2 3
WATER CHEMISTRY					
[]	[]	[]	[]	[]	1
1. Sanitizer (Chlorine / Bromine)					
[]	[]	[]	[]	[]	2
2. pH Level					
[]	[]	[]	[]	[]	3
3. Combined Chlorine					
[]	[]	[]	[]	[]	4
4. Cyanuric Acid Level					
ENTRAPMENT					
[]	[]	[]	[]	[]	5
5. Suction Outlet Covers/Filters					
[]	[]	[]	[]	[]	6
6. Anti-entanglement Devices or Systems					
RECORDS/MONITORING/OBSERVATION					
[]	[]	[]	[]	[]	7
7. Minimum Turnover Provided					
[]	[]	[]	[]	[]	8
8. Proper Continuous Operation of Recirculation & Filtration System					
[]	[]	[]	[]	[]	9
9. Proper Continuous Operation of Chemical Feeders					
CHEMICAL STORAGE					
[]	[]	[]	[]	[]	10
10. Proper Chemical Storage					
MAINTENANCE & OPERATIONS					
[]	[]	[]	[]	[]	11
11. Pool Shell, Surface, & Tiles Clean					
[]	[]	[]	[]	[]	12
12. Required Signs Posted & Good Repair					
[]	[]	[]	[]	[]	13
13. Toilet Facilities, Showers & Drinking Fountains - Adequate, Clean & Good Repair					
[]	[]	[]	[]	[]	14
14. Equipment Area Properly Maintained					
[]	[]	[]	[]	[]	15
15. Pool Area Maintained and Free of Vermin & Debris					
[]	[]	[]	[]	[]	16
16. Pool Shell Properly Maintained					
POOL CONDITION					
[]	[]	[]	[]	[]	17
17. Pool Description (pool/spa/water spray ground)					
Main Drain (single, dual, other)					
Sanitizer (Free Chlorine/Bromine)					
pH (7.2 - 7.8)					
Combined Chlorine (0.0 - 0.4 ppm)					
Cyanuric Acid Level (Max. 100 ppm)					
Flow Rate					
Insufficient Gauges (Backwash if differ. >10 psi)					
Inspection Result: [] Ordered Closed [] Approved to Reopen [] Inactive [] Deeded [] Substantial Compliance					
Enforcement: [] Plan Review Required [] Valid Permit [] Hearing Scheduled					

INSPECTION OBSERVATIONS AND REQUIRED CORRECTIVE ACTIONS (see attachment for additional comments)

RECEIVED BY: (Print) _____ **Signature:** _____ **Phone #:** _____

SPECIALIST: (Print) _____ **Signature:** _____ **Phone #:** _____

This report is an Official Notice of Violation. It is the responsibility of the owner/operator to make all corrections. See reference for general requirements and code sections for each violation listed. A reinspection fee may be charged if violations noted on this report are not corrected by the reinspection date.

DEFI-PH-181 NCR (rev 02/02) DISTRIBUTION: WHITE-FILE YELLOW-OPERATOR PINK-SPECIALIST

Reinspection Date (m/d/yyyy): ____/____/____

SUMMARY OF THE CORRESPONDING LAWS AND REGULATIONS FOR THE VIOLATIONS LISTED ON THE FRONT SIDE OF THIS FORM

THIS PAGE HAS EXCEPTS OF THE GENERAL REQUIREMENTS FOR EACH ITEM AND MAY NOT INCLUDE CODE. CODE CITED ARE FROM THE DESIGN, CONSTRUCTION, OPERATION AND MAINTENANCE OF PUBLIC SWIMMING POOLS UNLESS OTHERWISE NOTED. ADDITIONAL SECTIONS MAY BE CITED AS DESIRED.

1	WATER CHEMISTRY	2	WATER CLARITY
1	Maintain approved pool chemistry levels at all times: SWIMMING POOLS: Minimum free chlorine: 1.0 ppm unstabilized or 2.0 ppm stabilized; bromine: 2.0 ppm. SPAS, WADING POOLS, & HOT TUBS: Minimum free chlorine: 3.0 ppm or 4.0 ppm bromine. ALL: Maximum of 10 ppm free chloramine/bromine. (65529) Maintain the pH level between 7.2 and 7.7. (65530)	19	Maintain clear pool water to the bottom of pool at maximum depth is clearly visible from pool deck. (65527) HEALTHFUL, SAFE & SANITARY
2	Maintain minimum free chlorine level at 1.0 ppm (65530) Maintain cyanuric acid level at a maximum of 100 ppm. (65530)	20	Operate and maintain pools/pas in healthful, safe, and sanitary condition, including, control of physical, bacteriological, chemical, and electrical hazards. (65546)
3	ENTRAPMENT 4. Protect suction outlets with anti-entrapment covers that secured and in good repair. (31308, 31309) 5. Provide an approved anti-entrapment device on an unblockable drain or anti-entrapment device on entrapment by pool drain. (1159)	21	MAINTENANCE/OPERATIONS 1. Keep pool shell, surfaces, and tiles free of algae, dirt, leaves, and debris. (65533) 2. Signs posted: Clearly legible and in a conspicuous place. Letter size on a, b, c, e, h, i, k, & p must be at least "4 inch
4	REGULCULATION/FILTER 6. Provide minimum pool circulation pump and filter. (31308, 31309) 7. Recirculation pump must be in operation with the pool open. (31308, 31309) 8. Recirculation pump must be in operation with the pool open. (31308, 31309) 9. Recirculation pump must be in operation with the pool open. (31308, 31309) 10. Recirculation pump must be in operation with the pool open. (31308, 31309)	22	a. "Maximum Occupant Capacity" for pools and spas. (31208, 2) b. "No Diving" "Required for pools 6 feet or less. (3120, 8) c. "No Liqueur on Duty." The following portion is to be in a minimum of 1" lettering: "Children under the age of 14 should not use pool without an adult in attendance." (3120, 3) d. Artificial respiration and CPR. (3120, 5) e. Emergency "911." "In case of emergency services, name and street address of pool operator." (3120, 5) f. Spa Warning stating "CAUTION" with the following language: (3120, 7)
5	HAZARDS 11. Maintain chemical storage area. (116040, 116043) 12. Maintain chemical storage area. (116040, 116043) 13. Maintain chemical storage area. (116040, 116043) 14. Maintain chemical storage area. (116040, 116043)	23	g. Do not use alone. h. Elderly persons, pregnant women, infants and those with health conditions requiring medical care should consult with a physician before entering a spa. i. Unsupervised use by children under the age of 14 is prohibited. j. Hot water immersion while under the influence of alcohol, narcotics, drugs, or medicine may lead to serious consequences and is not recommended. k. No exposure to children in hot tubs, saunas, whirlpools, dizziness, or fainting. l. Emergency "911." "In case of emergency services, name and street address of pool operator." (3120, 5)
6	SAFETY MARKINGS 15. Provide adequate underwater lighting after dark or provide sign with a minimum of 4 inch lettering stating "Use of pool allowed after dark." (31158, 31208, 9, 11604, 1)	24	m. Provide sign indicating that life vests are required for all non-swimmers and children less than 48 inches tall when using a wave pool. (3120, 12, 115952) n. Provide sign indicating that children less than 42 inches tall must be accompanied by an adult to be admitted to the facility. (3120, 12, 115952) o. Provide sign advising bathers a warning audible signal will sound 15 seconds prior to the next wave. (3120, 12, 115952)
7	SAFETY MARKINGS 16. Provide adequate pool diving lights after dark. (31158, 3)	25	p. Provide one or more signs indicating, "CAUTION: Water is recirculated. Do not drink." (3120, 13)
8	SAFETY MARKINGS 17. Provide adequate pool diving lights after dark. (31158, 3)	26	Toilet facilities, showers, and drinking fountains a. Clean and maintain ancillary facilities, including restrooms, showers, dressing facilities, toilets, urinals, hand sinks, diaper-changing stations. (65531) b. Provide showers and handrinks with hot and cold water by a mixing faucet with a maximum of 110°F. (31160, 4, 31308, 2, 115952) c. Provide soap, paper towels/dryer, and toilet paper in dispensers. (65551) d. Provide drinking fountain in good repair. (31178)
9	SAFETY MARKINGS 18. Provide adequate pool diving lights after dark. (31158, 3)	27	Equipment area a. Keep area clean, organized, and accessible. (65535)
10	SAFETY MARKINGS 19. Provide adequate pool diving lights after dark. (31158, 3)	28	Pool area maintenance a. Maintain pool area clean, sanitary, and free of litter & vermin. (65535) b. Provide hoses for regular deck cleaning. (65536) c. Animals shall not be permitted in the pool/enclosure. (65534)
11	SAFETY MARKINGS 20. Provide adequate pool diving lights after dark. (31158, 3)	29	d. Provide a pool shell finish that is smooth, durable, waterproof material, in good repair, and white in color. Spas may be a light pastel color. (31086)
12	SAFETY MARKINGS 21. Provide adequate pool diving lights after dark. (31158, 3)	30	e. Provide a person who shall assume responsibility for pool operation and maintenance. (65521)
13	SAFETY MARKINGS 22. Provide adequate pool diving lights after dark. (31158, 3)	31	f. Provide access for inspection, including pool enclosure, equipment room, and pool facilities. Maintain required records and make logs available upon request for at least two years. (65526, 65546, 116040)
14	SAFETY MARKINGS 23. Provide adequate pool diving lights after dark. (31158, 3)	32	g. Daily log of pool operation including, but not limited to, heated pool, water temperature, and maintenance procedures. "Twice weekly logs permitted for pools/pas in housing complexes with less than 25 units. (116055) h. Monthly log for cyanuric acid. i. Logs for fecal, vomit, blood contamination, near-drowning, or drowning incidents.
15	SAFETY MARKINGS 24. Provide adequate pool diving lights after dark. (31158, 3)	33	

PLAN CHECK

- Who do I contact if I want to replace, modify, or do major repairs on my pool or pool equipment? **CALL US BEFORE STARTING!**
- Contact the **Plan Check unit at (858) 505-6659** prior to replacing, modifying, or changing the following:
 - Recirculation equipment
 - Plumbing
 - Pumps
 - Solar heating systems
 - Heaters
 - Pool enclosure
 - Decks
 - Pool restroom or ancillary facility
 - ***Be sure to obtain Plan Check approval prior to the start of any construction or remodeling to any pool, spa, wader, or spray feature.***



Contact Information

- Duty Specialist: (858) 505-6900
 - ▣ fhdutyeh@sdcounty.ca.gov
- Complaints: (858) 505-6903
 - ▣ FHDComplaints.LUEG@sdcounty.ca.gov
- Plan Check Technical Line: (858) 505-6659
 - ▣ plnchk@sdcounty.ca.gov
- Plan Check Scheduling Line: (858) 505-6660
- Website: www.sdcdeh.org
- Website: www.sdcountypools.org