



COUNTY OF LOS ANGELES - DEPARTMENT OF PUBLIC HEALTH  
ENVIRONMENTAL HEALTH – RECREATIONAL WATERS PROGRAM  
5050 Commerce Drive, Baldwin Park, CA 91706  
(626) 430-5360  
<http://www.publichealth.lacounty.gov/eh/rw.htm>



## SWIMMING POOL TECHNICIAN CERTIFICATION EXAMINATION APPLICATION PROCEDURE

1. Fill out the requested information on the application.
2. Indicate the Technician examination or the Apprentice Technician examination.
3. Include a picture of the applicant. A copy of the driver's license picture is acceptable.
4. A California Driver's License is not required; however, a picture ID or other official document (ie passport or birth certificate) will be required at check-in for the examination.
5. Sign and date the application.
6. Enclose a check or money order payable to the LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH (cash **will not** be accepted by mail). Cash payments (exact change) may be made in person at the Baldwin Park office. **Credit card payments cannot be accepted.**
7. Examination fees are non-refundable. A new fee is required each time the examination is taken. The examination must be taken within one year after payment of the fee.
8. The Technician examination is scheduled at least monthly. The Apprentice Technician examination is scheduled as needed. Call (626) 430-5360 for an appointment to take either examination.

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ATTACH  
PHOTO  
HERE

**SWIMMING POOL SERVICE TECHNICIAN AND APPRENTICE TECHNICIAN APPLICATION**

**Instructions:** Complete this form and mail to the address indicated above. Enclose a check or money order payable to: LOS ANGELES COUNTY DEPARTMENT OF PUBLIC HEALTH (Cash will not be accepted by mail). Cash payments (exact change) may be made in person at the Baldwin Park office. Credit card payments are not accepted. Examination fees are non-refundable, and the fee is payable each time an examination is taken. Examinations must be taken within one year after payment of the fee.

SWIMMING POOL SERVICE TECHNICIAN \$ 212.00

SWIMMING POOL SERVICE TECHNICIAN APPRENTICE \$ 212.00

APPLICANT'S NAME		DATE	
HOME ADDRESS		TELEPHONE / EMAIL	
CITY	ZIP	DRIVERS LICENSE NUMBER AND ISSUING STATE AND COUNTRY	

**APPLICANT'S SIGNATURE >**

**THIS SECTION TO BE COMPLETED BY TECHNICIAN APPRENTICE APPLICANTS ONLY  
A COPY OF THE SUPERVISING TECHNICIAN'S DRIVER'S LICENSE SHALL BE SUBMITTED WITH THE APPLICATION**

SUPERVISING TECHNICIAN		PR #	
ADDRESS	CITY	STATE	ZIP
PHONE	EMAIL		

I will employ and supervise this apprentice technician applicant and assume full responsibility for his/her work.

**SIGNATURE OF SUPERVISOR >**

**FOR DEPARTMENT OF PUBLIC HEALTH USE ONLY**

DATE PAID									
EXAM DATE									
SCORE									
EXAM LETTER									DATE PASSED

## **Technician Exam: Applicants may be questioned on the following topics.**

- California Code of Regulations Titles 22 & 24 regarding requirements at public pools.
- Local laws, ordinances, rules and regulations applicable to swimming pools
- Disinfection, pH and stabilizer levels.
- Requirement of operational records.
- Clarity, bacteriological and chemical quality of pool water.
- General requirements for maintaining pools clean, sanitary and in good repair.
- Skimmers and their proper operation and maintenance.
- Required turnover rates.
- Replacement of equipment.
- Backflow protection.
- Pressure gauges
- Flow meters.
- Chlorine gas.
- Maximum water temperatures.
- Breakpoint chlorination.
- Chlorine and bromine based products used to disinfect pool water.
- Methods of action of disinfectants in clarifying and sanitizing pool water.
- Advantages and disadvantages of various disinfectants, their properties and effects on pool water.
- Chlorine demand. Combined, total, and free available chlorine.
- Alternate methods of disinfection and treatment of pool water.
- Balance of pool water. Total alkalinity, calcium hardness and pH, and proper levels in pool water.
- Other chemicals used in pool maintenance including stabilizers, sequesterants, algicides, and flocculants.
- Effects of corrosive and alkaline water.
- Tests and proper use of test kits for measuring disinfectant residuals, pH and other chemical levels in pool water.
- Detrimental effects on health of improperly disinfected and balanced pool water.
- Pool chemical safety.
- Pool filter types, capabilities, sizing, cleaning and maintenance.
- Pool pumps, basic design, operation, characteristics, and maintenance. Pump curves.
- Chemical feeders, their proper sizing, use, and maintenance.
- Supplemental equipment associated with pool recirculation systems including, separation tanks, multiport valves, hydrostatic valves, sizing of pool heaters, and ORP meters.

## **Applicants may be asked to calculate the following.**

- Volume of pool and spa .
- Elevate or lower pH, alkalinity, calcium and stabilizer levels.
- Levels of disinfectant in part per million given a pool volume and amount of disinfectant added.
- Minimum flow rates, turnover rates, and filter sizes for public pools.
- Total dynamic head of a pool recirculation system.
- Flow rate from total dynamic head and pump curve charts.
- Volume of water loss through leakage and evaporation.
- Saturation index.
- Horsepower given watts, voltage, and amperage.

## **Apprentice Technician Exam: Applicants may be questioned on the following topics;**

- California Code of Regulations Titles 22 & 24 regarding requirements at public pools.
- Local laws, ordinances, rules and regulations applicable to swimming pools.
- Cleaning, servicing, and maintaining swimming pools.
- Basic knowledge of the commonly used chemicals and their effects.
- Testing procedures for the determination of pH and chlorine residual.
- Cleaning methods.
- Pool operation.
- Basic knowledge of filters, pumps, motors, and chemical feeders.

### **USEFUL RESOURCES**

#### **LITERATURE**

1. "Basic Training Manual, Part 1, Chemicals"  
Independent Pool and Spa Service Association, Inc. (ipssa)  
10842 Noel Street #107  
Los Alamitos, CA 90720  
(888) 360-9505  
[info@ipssa.com](mailto:info@ipssa.com)  
[www.ipssa.com](http://www.ipssa.com)
2. "Continuing Education Series, Pool Chlorination Facts"  
Independent Pool and Spa Service Association, Inc. (ipssa)  
10842 Noel Street #107  
Los Alamitos, CA 90720  
(888) 360-9505  
[info@ipssa.com](mailto:info@ipssa.com)  
[www.ipssa.com](http://www.ipssa.com)
3. "Everything You Always Wanted To Know About Pool Care"  
"Guide to Chlorine"  
"Guide to pH, Alkalinity, Water Testing and Water Balance"  
"Guide to Alternative Sanitizes"  
  
Service Industry News  
P.O. Box 5829  
San Clemente, CA 92674-5829  
(949) 366-9981  
[www.poolspa.com/publications/sin/products.html](http://www.poolspa.com/publications/sin/products.html)
4. "Basic Pool and Spa Technology"  
Association of Pool and Spa Professionals  
2111 Eisenhower Ave.  
Alexandria, VA 22314  
(703) 838-0083  
[www.apsp.org](http://www.apsp.org)

5. "Pool/Spa Operator's Handbook"  
National Swimming Pool Foundation  
4775 Grandby Circle  
Colorado Springs, CO 80909  
(719) 540-9119  
[www.nspf.com](http://www.nspf.com)
  
6. National Environmental Health Association  
720 S. Colorado Blvd.  
Denver, CO 80246  
(303) 756-9090

**POOL CLASSES** - POOL CLASSES ARE NOT REQUIRED FOR THE LOS ANGELES COUNTY EXAMINATIONS

**(Alphabetical Order)**

Blue Wave Certification Instruction  
Instructor: Tom Clark  
(661) 607-7690

National Pool Tech Training  
222 E. Foothill Blvd.  
Monrovia, CA 91016  
(888) 609-0302  
(626) 303-3758  
[www.nationalpooltechtraining.com](http://www.nationalpooltechtraining.com)

National Swimming Pool Foundation (CPO)  
4775 Grandby Circle  
Colorado Springs, CO 80909  
(719) 540-9119  
[www.nspf.com](http://www.nspf.com)

Russ Tucker Pool School  
(310) 218-6693  
[www.russtuckerpools.com](http://www.russtuckerpools.com)

Steve Donohoe  
(949) 235-5888  
[www.AnotherPerfectPool.com](http://www.AnotherPerfectPool.com)

Wet Feet Pools/CPO Instruction  
Instructor: Jason Cothran  
(805) 832-6000  
[www.WetFeetPools.com](http://www.WetFeetPools.com)

LOS ANGELES COUNTY DOES NOT ENDORSE OR RECOMMEND ANY OF THE LISTED POOL CLASSES