



**LOS ANGELES COUNTY ♦ DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH
Bureau of Environmental Protection
Recreational Waters Program
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CHLORINE GENERATORS ON PUBLIC POOLS

Chlorine generators used on public swimming pools and spas shall comply with the following:

1. Chlorine generating equipment shall meet the requirements of NSF International, Standard 50 (most current version). All chlorine generators shall be approved and listed by NSF International or other nationally ANSI accredited testing agency.
2. Chlorine generating equipment shall be listed or approved by underwriters Laboratories or other equivalent independent and nationally recognized laboratory. Electrical components and wiring shall comply with the requirements of the National Electrical Code.
3. Chlorine generating systems shall have an automatic mechanism for shutting off the electrical power to the unit when ever one or more of the following conditions exist:
 - a. Loss of electrical power to the recirculation pump.
 - b. Insufficient flow of water through the unit or recirculation system (specified by the manufacturer, but not less than 10 gpm).
 - c. Voltages outside of the manufacturer's recommended acceptable range.
4. The manufacturer must test for and state the amount of flow restriction created by the unit at multiple flow rates. The unit shall not prevent the attainment of the required turnover rate of the recirculation system and shall be designed so that head loss is kept to a minimum. There shall be no production or storage of chlorine gas or other corrosive agents or explosive gases, other than in-line, in the recirculation piping. If the unit does not meet this requirement the following applies:
 - a. The chlorine generator must be located outdoors, with at least three sides of the equipment area open to the outdoors. The chlorine injection point must also be located outdoors.
 - b. When required, approval must be attained from the local fire authority and/or local building and safety department.
 - c. The chlorine generator must have an anti-siphon device on the injection line.

- d. In the area housing the chlorine generator, there must be a sign posted which states, "Danger – Gaseous Oxidizer – Chlorine."
6. When the chlorine generator is used as the only chlorinator, it shall be capable of supplying not less than the equivalent of 3 pounds of chlorine (gas equivalent) per day per 10,000 gallons of pool water capacity. If the chlorine generator is used in conjunction with a standard chlorinator both the chlorine generator and the standard chlorinator shall be capable of supplying the equivalent of 2 pounds of chlorine (gas equivalent) per day per 10,000 gallons of pool water capacity.
7. All installations of chlorine generating equipment shall be submitted to this Department for plan approval and include a diagram of the actual on site installation.
8. No chlorine generator will be allowed to be installed on a pool when it is prohibited by any other city, county or state government agency.
9. No chlorine generator will be allowed to be installed on a pool with copper plumbing.
10. A log of salinity concentration shall be maintained.