

**DEPARTMENT OF PARKS AND RECREATION
WATER AND SEWAGE PLANT SUPERVISOR**

Minimum Qualifications per Class Specs:

Three years of engineering or operating experience in a water filtration plant or a sewage treatment plant serving a population of at least 2,000. **AND**

Possession of an appropriate State of California Certification for Sewage Treatment Plant Operator and/or Water Treatment Plant Operator is required at the time of appointment. Certificates are issued by the Department of Public Health and Water Resources Control Board. (Applicants who are within six months of obtaining the required certification will be admitted to the examination but must produce evidence of certification before they can be considered eligible for appointment.)

DEFINITION OF THE MINIMUM QUALIFICATIONS:

"Three years of engineering or operating experience in a water filtration plant or a sewage treatment plant serving a population of at least 2,000."

Candidates must provide evidence or a statement that verifies the population size as stated above.

Sample Formulas:

1. In order to determine the population of the transient use of the Department of Parks and Recreation the following formula may be used:
Population of 2000 x 365 (calendar days) = 730,000 (annual visitation). Annual population divided by 365 days must equal 2,000 or more.
2. Number of campsites x average number of people per campsite (3-5)
Number of average group campsites filled per year x number per group
Number of park residences served (average people per residence)
Add number of day use per day (average per year divided by 365 days)
Equals: Total Population per day

Example

125 campsites (5 per campsite)	= 625
2 group camps x 125 per group	= 250
3 residences x 5 people per residence	= 15
405,000 annual visitation ÷ 365	= <u>1110</u>
Total population per day	2000

3. A population of 2,000 people = 2,000 x 100 gallons per day per person (national average) or 200,000 gallons per day. 200,000 gallons per day divided by 1,440 minutes (60 minutes x 24 hours in a day) = a flow of approximately 139 gallons per minute. Therefore any person running a facility that produces 139 gallons per minute or more should qualify. Or if any person runs several facilities that add up to 139 gallons per minute will qualify.