

North Marin Water District

SENIOR TREATMENT PLANT OPERATOR

*This class description is only intended to present a summary of the range of duties and responsibilities associated with the positions. Descriptions **may not include all** duties performed by individuals within the class. In addition, descriptions outline the minimum qualifications necessary for entry into the class and do not necessarily convey the qualifications of incumbents within the position.*

DEFINITION

Performs duties and assignments relative to the operation and maintenance of the various treatment plants and equipment, and performs other work as required.

DISTINGUISHING CHARACTERISTICS

The **Senior Treatment Plant Operator** is a journey-level class in the Treatment Plant Operator series and is responsible for performing the full range of treatment activities exercising independent judgment and demonstrating a high degree of competence. This class is distinguished from the Treatment Plant Operator in that the Senior Treatment Plant Operator acts as a lead in specific activities, and may act as the Treatment Plant Supervisor in the absence of same.

SUPERVISION RECEIVED/EXERCISED

Receives general supervision from the Treatment Plant Supervisor, and may be assigned to provide direction and training to the Treatment Plant Operator and the Assistant Treatment Plant Operator.

ESSENTIAL DUTIES (Include but are not limited to the following)

Performs journey level skilled work in the operation and maintenance of District treatment plants; operates Stafford Water treatment plant on an assigned shift and West Marin water and wastewater treatment plants without direct supervision and usually alone. Controls the treatment processes to assure continuous compliance with District and regulatory agency water quality requirements and objectives, corrects malfunctions in operating equipment and instruments or takes other corrective action as required. Maintains operational, water quality, and other records, prepares reports and charts. Assists in planning and performing water quality optimization studies and test programs. Participates in training seminars/workshops, assists in training subordinates.

OTHER DUTIES

Performs skilled maintenance of treatment plant equipment and instruments. Assists in planning maintenance projects and determining maintenance and inventory needs. When assigned in the absence of the Treatment Plant Supervisor, assumes responsibility for all functions of that position including response to after hours water quality emergencies and problems. Carries out water quality functions and acts as leader when required. Some examples are: investigating and resolving customer and water quality problems; distribution facilities cleaning and disinfection; performing backflow prevention surveys and inspections; and participating in source/watershed surveillance and maintenance programs/activities. Conducts public tours of treatment facilities.

Approved	CD
Date	1/25/08

QUALIFICATIONS (The following minimum qualifications are necessary for entry into the class)

Education/Experience

Sufficient experience and education necessary to perform the essential duties of a **Senior Treatment Plant Operator**. A typical way of obtaining the required qualifications is to possess a Bachelor's Degree in chemistry, biology or closely-related field or a high school diploma (or the equivalent) supplemented with relevant specialized training in water treatment and plant operations and five years' experience as a treatment plant operator (equivalent to North Marin Water District's classification of **Treatment Plant Operator**), or any combination of education, training, experience and wastewater certification which in the opinion of the District is the equivalent of the above qualifications.

Knowledge/Skill/Ability

Knowledge of: general principles and practices of chemistry and/or biology as applied to water treatment operations; principles of basic hydraulics including pumps and pumping systems; complex mathematical concepts; methods and techniques for handling hazardous chemicals; instrumentation and equipment within assigned work areas, occupational hazards and standard safety practices; principles and practices of hydraulics.

Ability to: work independently; work rotating shifts, weekends, holidays, overtime as required and be available for emergencies; operate specialized water and wastewater equipment including safety equipment; accurately maintain records; collect water and wastewater samples and perform the appropriate laboratory tests; operate a personal computer and manipulate a programmable logic controller; communicate clearly and concisely both orally and in writing; establish and maintain effective working relationships with those contacted in the course of work.

License/Certificate

Possession of a valid Class C California driver's license.

Possession of a California Department of Health Services Grade IV Water Treatment Plant Operator Certificate.

Acquire and maintain CPR and First Aid certification.

Pesticide applicator certification.

Hazwoper first responder training.

WORKING CONDITIONS/PHYSICAL REQUIREMENTS

The work requires exposure to conditions that may be hazardous or unpleasant. Position requires working in the field out of doors in all weather conditions and involves walking on level and uneven or slippery surfaces, climbing ladders, working in confined spaces, handling noise-producing tools and equipment; kneeling, squatting, stooping, turning, bending, lifting, upper body twisting in the performance of daily activities. The use of the senses of smell and hearing are needed in detecting odors and mechanical equipment conditions. Requires both near and far vision while making visual checks of facilities and working on equipment. Requires light and heavy lifting, pushing a dragging of equipment and supplies in excess of 100 pounds. Employees may be exposed to raw and treated sewage, chemicals, sharp and dull objects, domestic and wild animals, and in general may come in contact with a variety of potentially dangerous working situations that require a combination of good judgment, field knowledge of

potential problems, problem identification and solutions. May be exposed to electrical and mechanical hazards and a variety of hazardous chemicals or contaminants. Incumbents also work around moving equipment. Ability to drive an automatic or manual transmission four-wheel drive vehicle on dirt roads in varying weather and road conditions.

OTHER REQUIREMENTS

Per California Government Code, Title 1, Division 4, Chapter 8, Section 3100, "all public employees are hereby declared to be disaster service workers subject to such disaster service activities as may be assigned to them by their superiors or by law."

1/08