

PADRE DAM MUNICIPAL WATER DISTRICT CLASS SPECIFICATION

CLASS TITLE: Water Quality Specialist

DEPARTMENT: Operations & Water Quality	ACCOUNTABLE TO: Assistant Director of Operations	FLSA STATUS: Non-Exempt
SALARY RANGE:	23	
<p>CLASS SUMMARY: Incumbents are responsible for monitoring the water quality throughout Padre Dam’s water distribution system. Duties include: Monitoring water quality parameters; collecting water samples and identifying and logging samples according to chain of custody requirements as defined by Dept. of Health Services standards; responding to water quality complaints by Padre Dam customers; preparing and maintaining required documents and paperwork; backing up the Systems Operators/Technicians in monitoring and operating the potable water distribution and storage systems in Padre Dam. Incumbents in this class may be required to receive and respond to after-hour calls.</p>		
<p>DISTINGUISHING CHARACTERISTICS: This is a stand alone position that is distinguished from the Systems Operator/Technician in that the main duties deal with water quality issues and testing.</p>		

DUTY NO.	ESSENTIAL DUTIES: (These duties are a representative sample; position assignments may vary.)
1.	Monitors water quality parameters of both potable and recycled water systems to include cycling of reservoirs, detention time, chlorine feed rates, residuals, and water sampling as required by the California Department of Health.
2.	Collects routine and special bacteriological, general physical and chemical water samples such as THM, lead and cooper, nitrate, nitrite, VOC, Chlorate, and other related samples for compliance issues.
3.	Operates and interprets results from technical electronic water test equipment, including turbidimeters, TDS, PH temperature meters, chlorine residual analyzers, nitrate and nitrite meters and related test equipment.
4.	Responds to and investigates water quality complaints by Padre Dam customers and other related customer service issues.
5.	Maintains water quality test equipment.
6.	Monitors the operation of the 24 hour water distribution system by investigating alarms or abnormal conditions, anticipating flow demands and daily operational changes and accessing priorities from after hours emergency calls. May also be cross-trained to fill in upon demand as a Systems Operator/Technician.
7.	Investigates water theft or any reports of tampering with the distribution system. Assists with, makes recommendations and oversees site security issues.

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DUTY NO.	ESSENTIAL DUTIES: (These duties are a representative sample; position assignments may vary.)
8.	Administers records and information by logging required data, performing software maintenance and communicating necessary information.
9.	Performs other duties of a similar nature or level.

Knowledge (position requirements at entry):

- Multi-faceted computer controlled water distribution systems;
- Water quality issues;
- Applicable rules and regulations;
- Safety regulations;
- Valves and metering apparatuses;
- State of California Department of Health Services and Federal regulations for water testing and quality.

Skills (position requirements at entry):

- Monitoring water distribution and collection operations;
- Adjusting valves and flows;
- Monitoring equipment operation;
- Using hand and power tools;
- Using computers and related software applications;
- Communicating effectively in writing;
- Communication, interpersonal skills as applied to interaction with coworkers, supervisor, the general public, etc. sufficient to exchange or convey information and to receive work direction.

Training and Experience (position requirements at entry):

High School Diploma or General Equivalency Diploma (G.E.D.) and one year of related basic repair and maintenance experience; or, an equivalent combination of education and experience sufficient to successfully perform the essential duties of the job such as those listed above. College level water technology courses are desirable.

Licensing Requirements (position requirements at entry):

- Valid California Driver's License;
- Water Distribution Operator Grade D-3 certificate from the State of California, Dept. of Health Services (within one year of hire or promotion);
- Water Treatment Operator Grade T-1 certificate, or higher, from the State of California, Dept. of Health Services, is desirable.

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Physical Requirements:

Positions in this class typically require: climbing, stooping, kneeling, crouching, reaching, walking, fingering, talking, hearing, seeing and repetitive motions.

Incumbents may be subjected to moving mechanical parts, electrical currents, vibrations, fumes, odors, dusts, gases, poor ventilation, chemicals, oils, inadequate lighting, work space restrictions, intense noises and travel.

Heavy Work: Exerting up to 100 pounds of force occasionally, and/or up to 50 pounds of force frequently, and/or up to 20 pounds of forces constantly to move objects.

Classification History:

Date: 4/98; 9/00; 1/02; 1/05