

CITY OF REDWOOD CITY SENIOR WATER CONTROL SPECIALIST

DEFINITION

To serve as lead worker for overall crew of Water Control Specialists; to inspect, maintain, and repair pumps, pumping structures, control valves, and other system controls in the water, sewer, and storm drain systems; maintain telemetry transmitters and recording components; and perform other specialized water quality control functions as assigned.

DISTINGUISHING CHARACTERISTICS

This is the advanced journey level class in the Water Control Specialist class series. The Senior Water Control Specialist is a lead worker who assists in scheduling, assigning and reviewing the work of subordinates. The Senior performs the most complex and skilled water control service functions, and provides technical guidance to others in a variety of skill areas.

SUPERVISION RECEIVED AND EXERCISED

Receives direction from a Public Works Supervisor.

Exercises functional and technical supervision over other Water Control Specialists related to specialized maintenance and repair procedures.

EXAMPLES OF DUTIES - Duties may include, but are not limited to, the following:

Assist in scheduling, assigning, and reviewing the work of Water Control Specialists.

Train others in a variety of skilled water control service functions.

Train and assist less experienced personnel.

Inspect, maintain, and repair pumps and related equipment at the City's pumping stations water storage stations, and lift stations; lubricate and repack pumps and motors.

Read meters, change charts, wind clocks, repair valves, clean main line valve ejector screens, and enter readings in log books.

Perform minor carpentry, electrical, and painting maintenance work on station equipment.

Responsible for maintaining water quality and sewer control at Redwood Shores.

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Inspect, adjust, and maintain telemetering and recording units, replace parts, making repairs, or calling for necessary outside assistance.

Inspect and run standby generators.

Maintain proper water levels in water ways.

Set pressure on control valves as needed.

Prepare work reports, repair reports, and requisitions.

Clean screens and change charts.

Check backflow preventers at sewage stations.

Inspect and service diesel engines and prepare auxiliary generators.

Inspect and maintain anti-rust preventers at storage tanks.

Perform related duties as assigned.

QUALIFICATIONS

Knowledge of:

Techniques of supervision, communication, and training.

Operation, maintenance and repair of pumps, pump controls, and related equipment.

Operation and maintenance of telemetering equipment.

Operation, maintenance, and repair of electric, gasoline, and diesel motors.

Control standards and operating characteristics of a City water distribution system, sewage collection system, and storm drain system.

Water quality treatment techniques and laws.

Facilities maintenance procedures.

Principles of hydraulics.

Electricity and instruments to measure amps and volts.

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Ability to:

Direct and oversee the work of others.

Keep pumping stations of the City's water system in operation, including the telemetering equipment.

Do minor carpentry, electrical, and painting maintenance work.

Set and repair control valves.

Prepare reports and requisitions.

Communicate effectively with the public and co-workers.

Read tide tables and determine settings for water ways.

Use and care of a variety of equipment, tools, and apparatus.

Perform skilled repair work on mechanical, electrical, and plumbing systems.

Use and apply chemicals as required in maintenance work.

Understand treatment plant and lift station processes.

Read and interpret blueprints, diagrams, and schematics.

Evaluate maintenance repair needs; take appropriate action.

Physical Characteristics:

Must be able to lift heavy objects, work outside in varying climatic conditions, perform heavy manual labor, and be in sufficiently good health to perform job duties.

Experience and Training Guidelines:

Any combination of experience and education that would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the knowledge and abilities would be:

Experience:

Three years in water system facilities maintenance, with an emphasis on mechanical maintenance of pumps and motors, and experience as a Water Control Specialist with the City of Redwood City.

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Education:

Equivalent to completion of the twelfth grade.

License or Certificate:

Possession of a Grade I Water Treatment Certificate from the State Department of Health is desirable.

Possession of, or ability to obtain, an appropriate, valid California Driver's License.

Possession of, or ability to obtain, a chemical certificate for aquatic weed control.

Effective Date: February, 1985

Bargaining Group: Service Employees' International Union - Local 715