

## **WATER SYSTEMS OPERATOR II**

### **DEFINITION**

Under general supervision, to perform maintenance, operations, and repair work on the City's water distribution system, pumps, mains, chlorinators, meters, and other equipment; to perform a variety of operations, monitoring, maintenance, and repair work on lift stations and associated equipment; and to do related work as required. Serves as Disaster Service Worker. FLSA Status: Non-exempt.

### **DISTINGUISHING CHARACTERISTICS**

This is the advanced worker level in the Water Systems Operator class series. This level is distinguished from Water System Operator I by the exercise of more complex responsibilities and greater expertise in maintenance, operations, and repair work on the City's water distribution system. Incumbents also perform a variety of monitoring, maintenance, operations, and repair work on the City's wastewater and storm water pump systems. Incumbents in this class are subject to twenty-four hour "call-out" and standby.

### **REPORTS TO**

Water Division Manager/Chief Operator and/or Water Systems Shift Operator or as assigned.

### **CLASSIFICATIONS SUPERVISED**

This is not a supervisory class.

### **ESSENTIAL FUNCTIONS**

Installs, operates, maintains, and repairs pumps, booster pumps, electric motors, chlorinators, and other equipment; taps main and installs water service connections; repairs, installs, and tests back flow devices and blow-offs; installs and replaces water meters and valves; reads meters and charts ensuring that information is properly recorded; checks reservoirs for proper levels; checks for and maintains proper pressure and chlorine residuals; regulates and maintains pressure gauges, switches, automatic valves, remote recorders, and control mechanisms; uses a variety of testing equipment and procedures; conducts well and pump efficiency tests; installs, maintains, and repairs fire hydrants, water mains, gate valves, and other water services; maintains, adjusts, and calibrates fluoride equipment; operates backhoe, dump trucks, and other equipment; operates tapping machines; uses a variety of hand and power tools and welding equipment; maintains a variety of records and reports related to water distribution system services and operations; collects samples for potability and safe use analysis; responds to customer service calls related to water quality; works on and

maintains water wells; performs a variety of operations, monitoring, maintenance, and repair work on sewer lift stations, pumps, and associated equipment; cleans and monitors the operations of samplers; trouble shoots pumping systems; performs leak detection for chlorine and sulfur dioxide; performs a variety of maintenance, repair, and construction assignments; does miscellaneous minor repair and maintenance on automotive equipment and small engines or pumps; and may be assigned to assist other departments or divisions with maintenance and repairs as needed.

### **TYPICAL PHYSICAL REQUIREMENTS**

Occasionally sit; frequently stand, walk, stoop, kneel, and crouch; normal dexterity and eye-hand coordination; ability to lift and move objects weighing up to 50 lbs.; corrected hearing and vision to normal range; verbal and written communication; use a variety of hand and power equipment and testing equipment used in the utility system maintenance, construction, and operations; use a computer and telephone.

### **TYPICAL WORKING CONDITIONS**

Work is performed outdoors in varying temperatures and weather conditions; some assignments may be performed in a shop or office; exposure to hazardous materials, smoke, gasses, and fumes; exposure to hazards such as moving machine parts and electrical current; continuous contact with other staff.

### **MINIMUM QUALIFICATIONS**

#### **Knowledge of:**

- Principles, methods, and practices used in public works maintenance and repair activities including installation, operation, and maintenance of water distribution and treatment systems, pumping systems, mains, and related facilities.
- Record keeping and reporting procedures.
- Practices, tools, equipment, and materials used in utility system maintenance and repair work.
- Laws, rules, regulations, and environmental requirements applicable to operation and maintenance of water distribution and pumping systems.
- Principles and methods of preventive maintenance programs.
- Safe work practices and procedures.
- Principles of work direction and training.

#### **Ability to:**

- Perform a wide scope of assignments including the more complex work in the operation, maintenance, and repair of the City water distribution and treatment system and storm and wastewater pump systems.
- Inspect water distribution and treatment systems for proper and safe operating conditions.
- Collect samples.
- Provide work direction and training for other staff.

- Skillfully use a variety of hand and power tools in the maintenance, testing, and repair of utility systems and equipment.
- Maintain accurate records and reports.
- Deal tactfully and courteously with the public.
- Establish and maintain cooperative working relationships.

**Training and Experience:**

- Two (2) years of increasingly responsible work experience in operation, monitoring, testing, maintenance, repair, and construction work comparable to Water Systems Operator I with the City of Atwater; or,
- One (1) year of increasingly responsible work experience as a Water Systems Operator I with the City of Atwater.

**SPECIAL REQUIREMENTS**

- Possession of a California Water Distribution Operator Grade 2 certification.
- Possession of a California Water Treatment Operator Grade 1 certification.
- Possession of current American Water Works Association (AWWA) Backflow Testers certification and Cross Connection Specialist certification.
- Possession of certifications or licenses to meet federal or state regulations as mandated.
- Possession of valid first aid and CPR certification issued by the American Red Cross.
- Possession of, or ability to obtain, appropriate certifications and licenses as designated by the City of Atwater.

**Education:**

- Equivalent to graduation from high school.

**License:**

- Possession of a valid California Commercial Class "B" driver's license with appropriate endorsements.

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