

**CITY OF SALINAS**

**PUMP MAINTENANCE MECHANIC**

**BARGAINING UNIT/CLASS CODE:**

**SEIU / K04**

**DEFINITION**

To perform mechanical and electrical maintenance on pumps, motors, and other equipment at the treatment plant, pump stations, or other City facilities.

**SUPERVISION RECEIVED AND EXERCISED**

Receives supervision from the Public Service Maintenance Crew Supervisor in the Wastewater Division. Exercises no supervision.

**ESSENTIAL JOB FUNCTIONS OF THE POSITION** Duties may include, but are not limited to the following:

Inspect and perform routine and preventive maintenance on pumps, motors, and other equipment. Perform major repair to pumps, boilers, motors, and other equipment. Gather estimates and prepare purchase orders for replacement of pumps as necessary. Maintain and repair cooling systems. Perform meter readings; compute meter readings for records and for pump failure. Inspect and monitor controls at the City's pump stations; check alarms at pump stations; check and analyze cooling tower chemicals. Operate various test equipment for electrical and electronic repairs; test generator systems. Perform a variety of building maintenance tasks as required. Promote and maintain safety in the work place. Perform related duties as assigned.

**PHYSICAL AND MENTAL CHARACTERISTICS**

Physical mobility and stamina to stand and walk for long periods of time, and to walk over uneven surfaces. Physical agility to push/pull, squat, twist, turn, bend, climb, stoop and reach overhead. Physical strength to lift up to 75 pounds, and up to 100 pounds with assistance. Manual dexterity sufficient to use hand and power tools. Hearing and speaking ability sufficient to converse over the telephone, two-way radio and in person often over the noise of machinery and traffic, to detect and describe noises in machinery. Vision sufficient to read fine printed materials on labels, manuals, diagrams, to work with color-coded wires with no color deficiencies, and to drive. Detect odors. Climb stairs on a daily basis; bend, stoop, and stretch; stand for long periods of time; safely wear self-contained breathing apparatus; and safely work in confined spaces. Mental acuity to collect and interpret data, evaluate, reason, define problems, establish facts, draw valid conclusions, make valid judgments and decisions.

**WORK CONDITIONS**

Willingness and ability to work outdoors in a service bay, and occasionally in emergency situations, work under adverse weather conditions such as at night, in heavy traffic, in heat, cold and rain; wear a uniform and appropriate safety equipment; and attend workshops and classes during work and non-work as required. Work in and around potentially hazardous materials including various petroleum products, grease, motor oil, brake fluid, antifreeze, and Freon.

**DESIRABLE QUALIFICATIONS**

**Knowledge of:**

Methods, materials, equipment, and tools used in mechanical, electrical, and plumbing systems. Mechanics of pumps and plumbing systems. Operation and maintenance requirements of wastewater plants or lift stations. Low voltage electrical systems. Purposes and uses of various power and hand tools. Generator and emergency lighting systems.

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**Ability to:**

Perform skilled repair work on mechanical, electrical, and plumbing systems. Use and maintain a variety of power and hand tools, operate trucks, tractor, and other heavy equipment. 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 and repair needs; take appropriate action. Perform or train others to perform confined space entry utilizing appropriate equipment and safety procedures.

**Skills to:**

Perform complex maintenance and repair work on mechanical, electrical and plumbing systems. Operate heavy equipment, power and hand tools, and test equipment.

**License or Certificate:**

Possession of a valid California Driver's License. Must obtain a California Commercial "A" or "B" Driver's License prior to the completion of the probationary period.

**Education and Experience:**

An example of the education and experience which most likely demonstrates the skills, knowledge and abilities required to perform the duties would be any combination equivalent to completion of high school/GED supplemented with course work in the mechanical and electrical trades plus three years experience performing mechanical and electrical maintenance on pumps and motors.

Reviewed \_\_\_\_\_  
Department Director

Approved \_\_\_\_\_  
Human Resources Officer

Approval Date \_\_\_\_\_

**ORIG: 2-84, REV: 2-94, REV: 7-97, REV: 8-03, REV: 12-04**