

PLANT MAINTENANCE MECHANIC I

PURPOSE AND NATURE OF WORK

This is skilled work in the inspection, maintenance, and repair of mechanical equipment in one or more of Consolidated Government's utility operating plants, or related facilities. Employees of this class perform preventative maintenance on the equipment in addition to routine and emergency repair. Assignments may also include assisting a Plant Maintenance Mechanic II or other skilled employee in the installation, maintenance, and repair of the larger, more complex equipment. Incumbents often work around unpleasant odors, hazardous gases and chemicals, and are required to climb ladders down into pumping stations or other work areas, or up onto elevated towers. Incumbents are also occasionally subject to 24 hour call.

Close or general supervision may be exercised over one or more Plant Maintenance Repairmen and other assigned helpers. Work is performed with relative independence under the direction of a supervisor in situations of moderate complexity. However, the more complex work assignments on sophisticated equipment typically found in the electric power plants are performed under the general or direct supervision of a Plant Maintenance Mechanic II or other supervisor.

This class may be used for training employees for the more complex work performed by Plant Maintenance Mechanic II. However, not all positions assigned to this class are trainee positions.

ILLUSTRATIVE EXAMPLES OF WORK (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Inspects assigned pumping stations and treatment facilities to ensure the proper operation of equipment. Diagnoses mechanical problems. Dismantles pumps or related equipment and replaces or repairs defective parts. Replaces defective fuses, valves, and mechanical controls; changes oil; lubricates bearings and other moving parts; repacks valves and pumps. Cleans and reinstalls float control systems. May work with an electrician in the repair, replacement, and maintenance of electrical controls, motors, and wiring. Replaces broken bricks on boilers, and adds mortar and lagging. Replaces valve packings; cleans motor winding; repairs boiler and piping insulation. Assists in dismantling and repairing of turbines, generators, and auxiliary equipment. Assists in replacing bearings, valves, and regulators on all equipment. Assists in the repair of compressors, vacuum pumps, condensate pumps, and chemical pumps. Assists in the repair of hydraulic and pneumatic equipment. Works with other maintenance employees in performing major installation, maintenance, or repair of more complex equipment.

Performs related work as required.

NECESSARY KNOWLEDGES, ABILITIES, AND SKILLS

Knowledge of the materials, methods, tests, tools, and equipment used in mechanical maintenance and repair work in a utility plant.

Knowledge of the occupational hazards and safety precautions associated with mechanical equipment maintenance and repair.

Ability to locate and repair or replace defective parts.

Ability to understand and follow complex oral and written instructions, and to work from sketches, diagrams, and blueprints.

Ability to establish and maintain effective working relationships with superiors and other employees.

Skill in the use and care of tools and equipment common to the mechanical maintenance trade.

DESIRABLE TRAINING AND EXPERIENCE

Graduation from high school supplemented by courses in the mechanical trades, and experience in mechanical maintenance and repair work in an industrial facility; or any equivalent combination of training and experience.