

Class Code: 5022
Revised: 10/1/2018
Reviewed: 9/19/2022

POWER PLANT MAINTENANCE FOREMAN

PURPOSE AND NATURE OF WORK

Positions in this classification supervise and participate in skilled maintenance and repair of electrical, mechanical and electronic machinery, equipment, controls, instruments, and systems in electric utility plants. Work requires the application of a thorough knowledge of electrical, electronic, and mechanical principles as related to maintenance and repair activities. Employees of this class also assist in planning modifications to the plants. Assigns and inspects work of skilled subordinates for adherence to prescribed standards and for quality of workmanship. Incumbents are subject to 24-hour call, and work is sometimes hazardous. Incumbents work under general supervision of the Power Plant Maintenance Supervisor.

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.)

Schedules, assigns, and supervises maintenance and repair jobs; reviews construction plans and plans for installing new equipment, prepares diagrams and schematics to assist in the modification of blueprints. Participates in technical electrical, electronic, and mechanical repair work such as control instruments and circuits, force draft fans, pumps, motors, turbines, generators and other plant machinery and equipment. Provides technical guidance, including work methods and procedures to subordinate personnel; inspects completed work. Conducts preventative maintenance program. Keeps up to date on new equipment, test instruments and maintenance techniques. Performs related work as required.

NECESSARY KNOWLEDGE, ABILITIES AND SKILLS

Considerable knowledge of the standard methods, materials, tools, and equipment of the mechanical, electrical, and electronic trades as related to maintenance and repair activities in an electric utility plant and auxiliary facilities.

Considerable knowledge of the principles and operating characteristics of all plant equipment.

Considerable knowledge of occupational hazards and necessary safety precautions applicable to the assigned work area.

Ability to plan, schedule, and supervise the work of subordinates.

Ability to work with blueprints and schematics.

Ability to maintain repair records.

Ability to establish and maintain effective working relationships with other employees, manufacturers' representatives, and supervisors.

Skill in the use and care of hand and bench tools.

DESIRABLE EDUCATION AND EXPERIENCE

Graduation from high school with vocational technical training in electrical and mechanical maintenance technology and prior experience maintaining pumps, controls, and related equipment; or an equivalent combination of education and experience.