

POWER PLANT MAINTENANCE SUPERVISOR

PURPOSE AND NATURE OF WORK

Position is responsible, through a staff of skilled foremen and technicians, for all maintenance and repair at two natural gas-fired electric generation stations, as well as long term modernization, regulatory compliance and power generating system-related design, specifications, bid package preparation and construction contract administration. Incumbent reports to the Power Plant Superintendent and has supervisory responsibility for Plant Maintenance Foreman; Power Plant Millwright; Controls Technicians; Instrument, Control and Electrical Technicians; and Plant Planner. Position is subject to 24-hour call and work is sometimes hazardous.

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.)

Plans, reviews, and assigns maintenance and repair work to foreman and technicians, inspects work in progress, and decides whether the system is ready to be put into service. Directs and monitors effectiveness of efforts to increase efficiency and reduce costs. Evaluates quality of maintenance and repair work according to industry standards, specifications, and manuals.

Serves as system administrator for control, security, and maintenance of computer systems integral to the generation plant operations.

Uses comprehensive knowledge of plant maintenance and trends to recommend renovations, improvements, and additions to the power plant and associated equipment/structures. Meets with consulting engineers, evaluates bids, inspects work in progress, prepares change orders, recommends payment, accepts or advises acceptance of work upon completion. May act as Plant Superintendent during absences.

Performs related work as required.

NECESSARY KNOWLEDGE, ABILITIES, AND SKILLS

Thorough knowledge of industry standards and codes.

Thorough knowledge of purpose, characteristics and maintenance requirements of generating plant electrical, electronic, mechanical, hydraulic and pneumatic systems.

Thorough knowledge of plant characteristics and processes as well as safety, health and environmental requirements.

Ability to read, understand and interpret manufacturer's manuals, schematics, blueprints as well as to use test equipment of all types as required.

Ability to climb, to enter and inspect equipment in confined spaces, and to perform work subject to high temperatures and noise levels.

Ability to analyze interactions of complex instruments, controls, automated processes and human operators to identify, prevent and solve problems.

Ability to communicate clearly, to form and maintain productive working relationships with staff, contractors, regulatory agencies and others.

DESIRED QUALIFICATIONS

Completed college coursework in mechanical engineering or related field with extensive prior working experience in the maintenance of steam and/or gas turbine generation plants, with modern computerized control systems.