

MAJOR FUNCTION

This is highly skilled journeyman level mechanical work in a power plant maintaining turbines, boilers, pumps, compressors, fans, and related equipment. Work is performed with considerable independence under the general supervision of the Supervisor-Power Plant Mechanical Maintenance. Work is reviewed through observations, inspections and by results obtained.

ESSENTIAL AND OTHER IMPORTANT JOB DUTIES**Essential Duties**

Performs millwright work on pumps, fans, compressors, and related equipment. Tears down, inspects, overhauls and assembles various power plant equipment. Does general repair work. Performs work on turbines, boilers, and all auxiliary equipment. Checks and maintains lubrication of all machinery with reciprocating or moving parts. Uses micrometers, calipers, and other special tools. Converts fractions to decimals and vice versa in calculating alignments and clearances. Repairs, repacks, and laps high and low pressure valves. Welds, cuts and fabricates structure and piping systems. May direct the work of personnel in lower job classifications performing related work. Aligns rotating equipment. Performs related work as required.

Other Important Duties

Performs clean-up in work area when regular assignments are completed. Performs related work as required.

DESIRABLE QUALIFICATIONS**Knowledge, Abilities and Skills**

Considerable knowledge of the standard practices, methods, tools, and materials of a wide variety of mechanical and millwright trades. Considerable knowledge of temperature and pressure limitations of metals and other materials used in power plants. Considerable knowledge of the various tools and technical equipment used by a modern power plant mechanic such as micrometers, jacking tools, feeler gauges, machine threading methods, and other tools, machines and instruments. Considerable knowledge of the occupational and environmental hazards associated with general maintenance and operations. Considerable knowledge of safety rules and first aid. Considerable knowledge of rigging and material handling equipment. Ability to work with blueprints and to understand and carry out difficult oral and written instructions. Ability to perform work independently. Ability to establish and maintain effective working relationships as necessitated by the work. Must be in good physical condition. Skill in the use of microcomputers and the programs and applications necessary for successful job performance.

Minimum Training and Experience

Possession of a high school diploma or an equivalent recognized certificate and completion of the Electric Department's apprenticeship program for Power Plant Maintenance Mechanics covering mechanical maintenance, repair and installation of power plant equipment; completion of an external equivalent apprenticeship program or a recognized mechanical trade apprenticeship program and one year of journeyman level work experience in mechanical maintenance, repair and installation in a steam or combustion turbine power plant or similar industrial facility; completion of a recognized mechanical trade apprenticeship program and one year of journeyman work experience in the same trade; five years of work experience in mechanical maintenance, repair and installation in a steam or combustion turbine power plant or similar industrial facility; or an equivalent combination of training and experience.

Necessary Special Requirement

Must be medically certified to wear a respirator and pass a respirator fit test prior to employment.

An employee assigned to the Purdom Power Plant, or who may be occasionally required to have unescorted access to the Port Facility portion of the Purdom Power Plant, (as determined by the General Manager - Electric and/or the Director of such employee's department), must obtain Transportation Workers Identification Credentials (TWIC) within 90-days of employment, and must maintain such credentials throughout his/her period of employment in that capacity, as a condition of continued employment.

Must possess a valid Class E State driver's license at time of appointment.

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