

**MAJOR FUNCTION**

This is highly skilled journeyman level mechanical work in a power plant maintaining combustion turbine/generators, steam turbine/generators, reciprocating engine/generators, HRSG's, 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. Performs inspections and overhauls on various power plant equipment including combustion turbine/generators, steam turbine/generators, reciprocating engine/generators, all auxiliary equipment. Performs general repair work on the plant site. 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 non-pressure part 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 & Gas Utility's apprenticeship program for Power Plant Maintenance Mechanics; 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 occasionally may be required to have unescorted access to the Port Facility portion of the Purdom Power Plant, as determined by the General Manager-Electric & Gas, 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.

Individuals in this classification are considered essential during emergency and storm situations and must be able to work 16 hours per day for extended periods of time and may be required to be away from their family.

Individuals in this classification must be available to serve on-call and are subject to having to work outside of their assigned shift/schedule to meet operational needs.

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

Revised: 08-06-80  
11-01-84  
02-13-90  
08-01-00  
05-01-02  
04-23-04\*  
06-16-08  
09-02-11  
11-07-20