



## FACILITIES ENGINEER

**Department:** Facilities Management  
**Job Class #:** 866500  
**Pay Range:** Maintenance/Trades 28

**FLSA:** Non-exempt  
**Represented:** Yes

Classification descriptions are intended to present a descriptive list of the range of duties performed by employees in this class and are not intended to reflect all duties performed within the job.

### **GENERAL FUNCTION**

This is skilled work in the maintenance and repair of public buildings, equipment, and special facilities for Pierce County. An employee in this classification is responsible for the operation and maintenance of all mechanical equipment in and around buildings. Employees may perform a specific trade discipline, however, they are also required to learn and participate in maintenance activities associated with a variety of skills and trades. Assignments are characterized by the variety of work performed, the application of independent technical work skills, and the responsibility for adapting tools and materials to specific work projects. Guidelines may be available in the form of internal policies and procedures; printed or verbal instructions for the maintenance and use of tools, equipment, machinery, facilities, and products; established trade and professional regulations related to safety and environmental health. Duties may include overseeing the work of other maintenance employees on specific projects. Work is performed under the general supervision of an administrative superior and assignments are received through verbal and written instructions. Work is reviewed for thoroughness, timeliness, and conformance with instructions and trade standards.

### **ESSENTIAL FUNCTIONS**

- Performs inspection of boilers, pipeline and operating equipment for steam, water, air, and fuel leaks or defective parts. Observes meters and pressure gauges and listens to sound of operating equipment to detect malfunctioning unit. Enters related information into the equipment logbook in order to record equipment repairs, gauge readings, and problem areas.
- Directs cleaning of boilers and boiler furnaces. Inspects and repairs boiler fittings, such as safety valves, regulators, such as pumps, draft fans, and burners. Repairs or replaces high-pressure piping and may repair boiler insulation with firebrick. Corrects boiler system malfunctions according to manuals and specifications. Notifies supervisor when boiler sections are in need of repair, requiring outside services, and when boiler is cleaned, repaired and ready for State inspection.
- Repairs and maintains machinery and mechanical equipment in accordance with diagrams, sketches, operating manuals, and manufacturer specifications, using hand and power tools and precision-measuring and testing instruments.
- Maintains, adjusts, repairs, or replaces mechanical devices (such as pumps, motors, conveyor systems, laboratory equipment, control instruments, etc.). Lubricates and cleans parts. Starts devices to test their performance.
- May set up and operate lathe, drill press, grinder, and other metalworking tools.
- Performs other trade assignments such as plumbing, electrical, painting, or other related assignment.
- Keeps record of equipment showing type, model number, date of purchase, and vendor information.

### **OTHER JOB FUNCTIONS**

- Performs other job functions as assigned.

## **FACILITIES ENGINEER**

### **Classification Description – Pierce County**

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#### **KNOWLEDGE, SKILLS AND ABILITIES**

- Knowledge of the standards, methods, tools, and equipment used in the building and mechanical, maintenance and repair work, and in the maintenance of a boiler system, plumbing, electrical, air, and other related trade areas.
- Knowledge of the applicable codes and regulations to one or more trades.
- Knowledge of the occupational hazards and safety precautions associated with various building and mechanical trades.
- Skill in the care, safety, and use of shop equipment, power tools, hand tools, and other related mechanical instruments or devices.
- Ability to performed skilled work in the building, mechanical, maintenance, and repair trade areas.
- Ability to understand and interpret plans and sketches associated with the work being performed.
- Ability to detect and repair a variety of building, mechanical, and equipment failures.
- Ability to understand and execute oral and written instructions.
- Ability to work independently with minimal supervision.
- Ability to physically perform the essential job functions.
- Ability to meet the travel requirements of the position.

#### **RECRUITING REQUIREMENTS**

Three or more years of journey-level work experience in one or more of the building, mechanical, electrical, plumbing, or related trade. Additional education or experience may substitute for the recruiting requirements. May be subject to 24 hour on-call availability. Satisfactory physical condition is required as indicated by a County-approved physical examination. **Special Note:** Work may be performed near heavy operating equipment, in confined areas with high intensity sound, harsh chemicals, or high voltage electricity. Required to have a Boiler Operator 2 License.