

## **JOB DESCRIPTION**

**TITLE:** UTILITY FITTER JOURNEYMAN—CHPP BOILER AND HEAT DISTRIBUTION SYSTEMS

***NOTE: THIS IS A MULTI-SKILLED POSITION REQUIRING SPECIALIZED CERTIFICATIONS***

**DEPT:** SITE OPERATIONS, FORT GREELY

**REPORTS TO:** CHPP WORKING FOREMAN

**WAGE:** PER PUBLISHED SCALE

### **POSITION OBJECTIVES:**

Perform a variety of skilled utility maintenance, repair and limited construction duties associated with the Central Heat & Power Plant and the Heat Distribution System. The position requires incumbent to be multi skilled and certified on boiler welding and pressure vessel systems that they maintain. Work ranges from labor activities to skilled tasks requiring physical exertion to varying degrees of manipulative skills involving the use of a variety of hand and power tools and the routine operation of trucks and related utility maintenance equipment. Utility Fitters are expected to demonstrate the specialized skills necessary to conduct repairs to system components, assess problems and recommend solutions with little direct supervision. Work on utility systems requires employees to use a variety of tools, ensure safety during repairs to system components before placing them back in service. All work shall be completed in accordance with industry standards for boiler and heat distribution systems. The utility fitter may be required to assist in training and familiarizing new employees with specific work functions. Work is normally performed as part of a crew under the direction of the lead utility fitter, although employees usually operate with considerable independence. Work is reviewed while in progress and upon completion for conformance with instructions and work standards.

### **MAIN ACTIVITIES:**

1. Properly maintain the heat distribution system during the heating and non-heating seasons.
2. Perform repairs to heat distribution system mains, structures and related components.
3. Perform repairs to boilers within the limits of boiler welding certifications.
4. Maintain steam valves, condensate movers and steam traps.
5. Maintain pumps, motors, controls, valves and meters for various utility systems.
6. Perform periodic scheduled maintenance activities for the heat distribution system.
7. Perform inspections of system components, relay results of the inspections to supervisors and recommend future project requirements.

8. Serve as a first responder for steam heat outages, assess causes of outages and develop a response/repair course of action to reestablish utility services.
9. Perform the full range of tasks associated with the journeyman level welder. Plans layout work and decides welding process best suited for job, depending upon knowledge of types and amounts of pressure on lines, thickness of metal involved and types of equipment connected to the lines.
10. Install, maintain, repair and modify the more complex industrial steam, hot water, or related system components of the HDS.
11. Perform steam fitting duties such as setting and securing heating units, and connecting trap valves and thermostats to pipe systems.
12. Performs annual summer overhaul of steam distribution system.

### **SKILLS AND QUALIFICATIONS:**

1. Knowledge of various high and low pressure steam piping systems and equipment, steam generation and vacuum systems, circulating pumps installation and maintenance, and steam valves.
2. Knowledge of hot water heating systems, steam condensate systems, traps, valves, returns and associated control devices.
3. Ability to plan, lay out the installation, modification and repair of various new and existing piping systems and equipment for the heat distribution systems.
4. Knowledge of proper water distribution system disinfection practices, flow testing and maintenance of system components.
5. Ability to serve as first responder for heat distribution outages or system malfunctions.
6. Perform technical inspections on heat distribution system components.
7. Must possess a Class A Commercial Driver's License from the State of Alaska.
8. Must be able to work outside in extreme environmental conditions such as cold, wind, snow and rain.
9. Must be able to work inside utilidors under cramped, hot, dark or humid conditions.
10. Demonstrate ability to operate in a safe, journeyman manner and an ability to work well with other employees.
11. Must be able to communicate effectively with other workers, supervisors and senior management.

### **PHYSICAL EFFORT:**

Utility Fitters work at ground level, in trenches, manholes or inside utilidors. Work requires stooping, bending, climbing and standing for long periods of time. Working conditions also require working inside utilidors that have excessive heat, cramped working areas, poor lighting and may be contaminated with asbestos fiber. Work requires coordination of eyes, hands, legs and body. Some moderately heavy lifting is required. Incumbent must be able to lift a minimum of 50 pounds to shoulder level.

### **WORKING CONDITIONS:**

The work is done inside and outside and is usually dirty, dusty and greasy. Works in extremely confined spaces, often in mud and water. May be exposed to unsanitary

conditions while working in utilidors. Subject to strains, cuts and bruises while moving heavy materials or equipment or working with wrenches or heavy pipe and pumps. Works in extreme outside temperatures as low as -60F during winter months. Work predominately performed in underground unlighted tunnels (utilidors) that are extremely hot and humid. Subject to burns from live steam and hot water or from contact with hot pipe surfaces carrying steam at pressures up to 100 psi. Ventilation is often poor within the utilidors. Manholes or utilidor access points are often as much as 150 feet apart and the utility fitter is required to work in cramped spaces with large diameter pipe filling most of the tunnel area. Work requires the utility fitter to frequently work in hot and humid utilidor in a damp condition then return to below freezing outside air temperatures resulting in strenuous physical demands. The environment in utilidors may be asbestos contaminated and incumbent must be able to work in required protective equipment.

**CONDITIONS OF EMPLOYMENT:**

1. Incumbent must be able to maintain a level of physical fitness to perform the duties of Utility Fitter Journeyman.
2. The incumbent is subject to pre-hire and random drug testing in accordance with the published policy of Doyon Utilities.
3. Incumbent must possess and maintain a Class A Commercial Driver's License from the State of Alaska.
4. Must be able to perform duties of a certified welder in accordance with ASME Boiler and Pressure Vessel Code.
5. Must be eligible to work on a military installation in Alaska.
6. Willingness to be scheduled for standby/emergency call-ins on a rotational basis with other similarly qualified employees.

**EDUCATION AND TRAINING:**

1. High School Diploma or equivalent is required.
2. Must maintain Class A Commercial Driver's License from the State of Alaska.
3. Must maintain welder certification in accordance with ASME Boiler and Pressure Vessel Code.

**EMPLOYMENT CLASSIFICATION**

Non-exempt/ Full Time Permanent