



STEAM FIREPERSON

Department: Aviation
Unit: 2060
Union: Local 25

Supervisor's Titles: Assistant
Maintenance Manager, Heating Plant;
Watch Engineer; 1st Class Engineers;
Second Class Engineers.
Supervises: Works as a member of a
crew.

The Massachusetts Port Authority (Massport) is currently accepting bids for the position of Steam Fireperson (Bargaining Unit, Local Union No. 25) at Logan International Airport. The Steam Fireperson performs operational and maintenance duties in the Central Heating Plant at Logan International Airport.

ESSENTIAL RESPONSIBILITIES OF THE JOB

Operates and controls the boilers and boiler systems of the Central Heating Plant.

- Inspects and maintains gas/oil fired boilers.
- Monitors all Central Heating Plant systems.
- Reports to First and/or Second Class Engineers about watch.

Performs preventive annual inspection, maintenance and cleaning of boilers.

- Conducts shut down of boilers to conduct internal cleaning and inspection.
- Performs interior inspection of the boiler and boiler tank.
- Cleans interior piping and tank to remove deposits.
- Assesses extent of repairs necessary, trouble shoots and contacts supervisor regarding need for outside contractors.
- Refires boiler.

Operates and controls the central heating plant during scheduled watches.

- Inspects chillers, water quality, and cooling tower systems.
- Repairs replaces and maintains gauges, meters, piping, pumps, circulators, condensate units, fans, compressors, oil levels, tanks, burners (nozzles, tips, atomization), valves and other MPA power plant systems; logs and documents all inspections.
- Monitors, tests, and maintains water quality; repairs, replaces and maintains water quality equipments; samples and chemically tests water quality; adds

anti-corrosive chemicals to water treatment system as needed.

Repairs, inspects and maintains piping and other systems as needed.

- Paints pipes, valves and tanks in appropriate color code.
- Letters and signs pipes, valves and tanks.
- Conducts inspection of utility tunnel.

Performs other duties as assigned.

Installs, repairs and replaces high pressure and low pressure steam piping, high pressure hot water piping, valves, gauges and joints, as needed.

- Cuts, threads and sizes pipe.
- Assesses extent of repair necessary, trouble shoots, and contacts supervisor regarding need for outside contractors.

JOB REQUIREMENTS AND QUALIFICATIONS:

Education

Ability to read; basic oral, written and mathematical skills required. Includes manual skills and the ability to operate machinery.

Experience

1 - 3 years experience in operation of power plants required.

UNIQUE EXPERTISE/CERTIFICATION/REGISTRATIONS:

- Massachusetts Steam Fireman license required.
- Massachusetts Class D (III) drivers license required.
- Basic knowledge of high pressure boilers, air conditioning chillers, cooling towers, and other cooling equipment required.
- Basic knowledge of high temperature hot water systems required.
- Basic knowledge of pipe fitting required.
- Basic knowledge of chemical treatments for power plants required.
- Ability to pass airfield driving test and obtain Aerodrome Ramp and Apron License.
- Ability to obtain Massport security clearance.
- Knowledge of computer based automated control software of a large physical central heating/cooling plant preferred.
- Ability to pass a Massport drug screen.

WORKING CONDITIONS:

Environmental Parameters:

Ability to work in heating plant within an airport environment with conditions which may include: fumes, odors, gases, chemicals, and dusts as well as Decibels in the range of 65 - 100. Ability to work in conditions or situations in which there is danger to life, health, or bodily injury with a variety of physical hazards, such as proximity to moving parts, electrical shock, working on scaffolding and high places, and exposure to toxic chemical agents. Ability to work in confined spaces and crawl spaces (ability

to pass through 14" X 18" door in boiler and boiler tank). Noise: there is sufficient noise, either constant or intermittent, to cause marked distraction.

Physical Demands:

Strength: Exerting up to 70 pounds of force and/or up to 25 pounds of force frequently to move and lift objects.

Type: Ability to discriminate colors on warning panels and to distinguish signal and runway lights; clarity of vision beyond 20 ft. Ability to bend, stoop and crawl, to climb ladders. Ability to distinguish warning alarms and bells.

WORK SCHEDULE: Ability to work any shift as assigned, including weekends and holidays, for a 40-hour work week. Must be available for additional hours during emergency/snow situations as workload demands.

Equipment Used: 2-way radio, telephone, logs, hand tools, Air-Lance, anti-corrosive chemicals, pipe cutter/threader and other MPA equipment.