

## ASSISTANT ENGINEER STATIONARY GRADE II

Code No. 3-11-011  
COMPETITIVE

DISTINGUISHING FEATURES OF THE CLASS: This is a stationary engineering position involving the operation, maintenance, and repair of heating, generating, ventilating, and refrigerating equipment. At some locations, the work may also involve maintenance and repairs of plumbing and electrical systems. The employee reports directly to and works under the general supervision of a Chief Engineer - Stationary, Stationary Engineer - First Class, or in the case of Monroe Community College, the Director of Building Maintenance. Direct supervision may be exercised over the work of an Assistant Engineer-Stationary III or Assistant Engineer Stationary-Trainee. Does related work as required.

TYPICAL WORK ACTIVITIES (All need not be performed in a given position. Other related activities may be performed although not listed):

Operates, maintains, and repairs heating, generating, ventilating, and refrigerating equipment;

Maintains and repairs auxiliary equipment such as sewage systems, kitchen and laundry equipment, hot water heaters, and electrical generators;

Observes steam, vacuum, water and other meters and gauges to determine operating condition of equipment;

Keeps records of fuel and water consumption, steam produced, and other operating data;

Performs tests on boiler water, condensate return water or chill water to detect the presence of harmful biological or chemical substances;

Adds chemicals to boiler water, condensate return water or chill water to combat harmful biological or chemical substances;

Exercises direct supervision over Assistant Engineer-Stationary III or Assistant Engineer-Stationary-Trainee where applicable.

WHEN ASSIGNED TO A LOCATION WHICH CONTAINS STEAM GENERATING EQUIPMENT THE INCUMBENT ALSO:

Controls generation of continuous supply of steam by regulating amount of fuel fed to each fire;

Operates equipment such as regulating starting devices, adjustment levers, and throttles to start, stop and regulate speed of pumps, boiler injectors, blowers, and auxiliary equipment;

Inspects, lubricates, and repairs equipment such as boilers, oil feed burners, stokers, pumps, motors and associated equipment.

WHEN ASSIGNED TO A LOCATION WHICH USES TRANSPORTED STEAM FOR HEATING AND REFRIGERATION, THE INCUMBENT ALSO:

Inspects the facility to insure proper operation of fans and pumps in machinery rooms, proper reduction of incoming steam at steam traps, proper operation refrigeration equipment, and acceptable condition of cooling towers and related equipment;

Maintains, lubricates, and repairs equipment such as steam traps, steam lines, pumps, motors, fans, refrigeration units, heating and cooling coils, filters, and associated equipment;

Operates such equipment as steam turbines, refrigeration units, electrical generators, and pneumatic control panels.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL

CHARACTERISTICS: Good knowledge of the principles and techniques involved in the operation of high and low pressure systems of heating and refrigeration; good knowledge of the operation and maintenance and emergency measures in event of breakdowns; skill in the use of hand tools and power tools associated with the trade; ability to follow oral and written instructions; ability to take proper safety precautions; record keeping ability; dependability; good judgment; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS: Graduation from high school or the possession of an equivalency diploma, plus two (2) years of full-time or its part-time equivalent experience in the operation and maintenance of high pressure steam and refrigeration lines.

NOTE: Where education is lacking experience in any of the following areas may be substituted on a year-for-year basis:

- (A) Operation and maintenance of high-pressure steam and refrigeration lines;
- (B) Operation of a refrigeration plant;
- (C) A related skilled trade (i.e., pipe-fitting, plumbing, electrical work, millwright, masonry, carpentry, general mechanical repair ONLY).

SPECIAL REQUIREMENTS:

Possession of a Second class Stationary Engineer's license issued by the Examining Board of Stationary Engineers and Refrigerator Operators.

Depending on the position duties, candidates for employment with Monroe County Government will be required to pass a pre-employment drug test.

SPECIAL REQUIREMENT FOR APPOINTMENT IN SCHOOL DISTRICTS AND BOCES

Per Chapter 180 of the Laws of 2000, and by Regulations of the Commissioner of Education, to be employed in a position designated by a school district or BOCES as involving direct contact with students, a clearance for employment from the State Education Department is required.

FORMERLY: Assistant Stationary Engineer

REVISED: September 22, 1978

REVISED: March 24, 1983