

HEATING PLANT OPERATOR II (HP)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision an incumbent of this class operates and participates in a wide variety of maintenance and repair work associated with a high pressure heating plant (in excess of 15 psi), ventilation systems and allied equipment. This is considered the full-performance level operator in a high pressure heating plant. Incumbents may work independently or as part of a team, may function as lead worker, and may oversee the training of lower level operators. Assignments may be generated by oral or written instructions, and when assigned to a shift, the incumbent ensures proper functioning of all equipment by constant surveillance and performing routine maintenance and emergency repairs. Incumbents use independent judgment in emergencies by following established procedures. Supervision is not a responsibility of this class. Does related work as required.

EXAMPLES OF WORK: (Illustrative Only)

Operates, maintains and starts a high pressure heating plant and associated systems, supplying steam, heat, and hot water, including auxiliary equipment such as turbine-driven induced and forced draft fans, high pressure steam atomizing burners, turbine and electrically driven pumps, oil heaters, heat exchangers, compressors, etc.;

Ensures all equipment is operated and maintained in accordance with industry standards and County procedures;

Checks instrument readings and keeps boiler room log of operating conditions, fuel combustion, water temperature, etc.;

Lubricates all moving parts of boiler room machinery;

Oversees the deliveries of oil according to established standards;

May perform building maintenance and site utility maintenance;

Performs and participates in the changeovers to standby units;

Performs the repair of cooling towers and the cleaning of filters and dampers, boilers, ducts, etc.;

Performs repairs and preventative maintenance according to established schedules;

Diagnoses and trouble-shoots mechanical problems;

Participates in keeping time and attendance records of employees, as directed;

Sets up machines and equipment;

Performs routine and emergency repairs and maintenance, both scheduled and in response to emergencies, as required.

EXAMPLES OF WORK: (Illustrative Only) (Cont'd.)

Uses computer applications or other automated systems such as spreadsheets, word processing, calendar, e-mail and database software in performing work assignments;

May perform other incidental tasks, as needed.

FULL PERFORMANCE SKILLS, ABILITIES AND ATTRIBUTES: Good knowledge of modern methods used in the operation, maintenance and repair techniques necessary for the efficient operation high pressure boilers and auxiliary equipment; good knowledge of the safety precautions of the trade; good knowledge of electrical and steam fitting work; knowledge of the fundamentals of combustion, stages of combustion, the combustion process and reactions; knowledge of the basic fundamentals of mathematics; ability to operate and maintain mechanical equipment; ability to act quickly and efficiently in the event of mechanical failure; ability to follow oral and written instructions; ability to work well with others; ability to read, write, speak, understand, and communicate in English sufficiently to perform the essential duties of the position; ability to use computer applications such as spreadsheets, word processing, e-mail and database software; reliability; physical strength; physical condition commensurate with the demands of the position

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: A high school or equivalency diploma and four years of experience where the primary function of the position was in the operation and maintenance of a heating plant, at least two years of which must have been in a high pressure (in excess of 15 lbs. psi) plant and building refrigeration or air conditioning system, which also shall have included experience in the operation and repair of related electrical and mechanical equipment.

SUBSTITUTION: College* education or post-secondary course of study in HVAC or a closely related field which included a course in boiler room, heating plant or air-conditioning/refrigeration operation, maintenance and repair may be substituted at the rate of 30 credit hours for one year of the general experience up to a maximum of two years. There is no substitution for the two years of specialized experience.

*SPECIAL NOTE: Education beyond the secondary must be from an institution accredited or recognized by the Board of Regents of the New York State Education Department as a post-secondary, degree-granting institution.

SPECIAL REQUIREMENT: Depending on work assignment, must meet standards of OSHA regulation 1910.134 Respiratory Protection, and will be required to meet Federal, State and local standards with respect to health and safety.

NOTE: Unless otherwise noted, only experience gained after attaining the minimum education level indicated in the minimum qualifications will be considered in evaluating experience.