

## SENIOR MAINTENANCE MECHANIC II (HEATING PLANT)

DISTINGUISHING FEATURES OF THE CLASS: Under general supervision, an incumbent of this class, located at the Grasslands campus in Valhalla, serves in an expert capacity in high pressure heating plant operations (in excess of 15 psi). Work involves directing and participating in a wide variety of maintenance and repair work associated with the heating plant, ventilation systems and allied equipment. This level is distinguished from the Heating Plant Operator II title by the possession of a Stationery Engineer's license, and further distinguished from the higher level Supervising Plant Operator who maintains overall responsibility for plant operations and in maintaining work scheduling on all shifts. An incumbent may work independently or as part of a team, frequently functions as a 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. While direct supervision is not a responsibility of this class, an incumbent provides technical expertise and direction to staff as needed. Does related work as required.

### EXAMPLES OF WORK: (Illustrative Only)

Assists in directing and participates in the operation and maintenance of 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.;

Monitors equipment and works with the Supervising Plant Operator and staff to ensure all equipment is operated and maintained in accordance with industry standards and County procedures; provides technical expertise in the operation of high pressure boiler systems as maintenance or operational problems arise;

Directs and participates in checking instrument readings and keeps boiler room logs of operating conditions, fuel combustion, water temperature, etc.;

Performs building maintenance and site utility maintenance;

Participates in scheduled routine repairs and maintenance; responds to emergencies, as required to provide technical expertise;

Monitors and participates in the repair of cooling towers and the cleaning of filters and dampers, boilers, ducts, etc.;

Works with the Supervising Plant Operator in establishing and maintaining a repair and preventative maintenance program; monitors staff in same;

Diagnoses and trouble-shoots and fixes mechanical problems; consults with the Supervising Plant Operator in determining if repairs require work beyond scope of what can be fixed on site;

Works with the Supervising Plant Operator on workflow scheduling, as required;

EXAMPLES OF WORK: (Continued)

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: Thorough knowledge of modern methods used in the operation, maintenance and repair techniques necessary for the efficient operation high pressure boilers and auxiliary equipment; thorough 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: Possession of a Stationary Engineer or High Pressure Boiler System License or equivalent (in excess of 15 lbs. psi).

\*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.