

## MAINTENANCE MECHANIC I (TREATMENT PLANT EQUIPMENT)

DISTINGUISHING FEATURES OF THE CLASS: Under supervision, performs apprentice level duties relating to the maintenance and repair of treatment plant equipment. The incumbent works in situations which provide training to develop skills and knowledge. The incumbent works independently on less complex and routine projects and under supervision on the more difficult jobs. As the employee's skill and knowledge increase, the employee receives less direction until at full performance level. Advancement depends on the assignment and performance of higher level duties on a regular basis and position availability. Does related work as required.

### EXAMPLES OF WORK: (Illustrative Only)

Participates in the maintenance of mechanical units associated with a water pollution control plant such as fans, electric motors, blowers, valves, speed reducers, hoists, pneumatic systems, mechanical screening equipment, water pumps, pressure reducing valves and flame arrestors of the type found on sludge digesters;

Maintains and repairs settling tank drives, including the replacement of sprockets and chains;

Overhauls and repairs raw sewage pumps, sludge pumps, grit removal equipment along with auxiliary equipment including motors, water pumps, air compressors, vacuum pumps and the like;

Overhauls and repairs internal combustion engines which use diesel oil, gasoline or digester gas for fuel;

Keeps work area in a clean, orderly and safe condition;

Prepares schedules for and supervises daily inspection and maintenance of the various wastewater treatment plant equipment components;

Requisitions necessary materials and supplies;

Performs routine and emergency repairs and maintenance, both scheduled in response to emergency situations, as required;

Depending on work location, may operate amusement park devices, participate in snow removal, etc., as assigned.

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 KNOWLEDGE, SKILLS, ABILITIES AND ATTRIBUTES: Good knowledge of a variety of tools, procedures and techniques relating to the trade; knowledge of the proper use of tools and equipment of the trade; knowledge of the repair techniques to be used, including methods used to ensure the correct fits or tolerances, in the operation of the equipment of the trade; knowledge of how to make adjustments and calibrations to the equipment of the trade; knowledge of the safety precautions of mechanical trades; knowledge of the order of assembling parts and what tools and equipment are needed in the performance of the function; ability to read blueprints, sketches and technical manuals to understand the functions of the parts or systems, ability to plan and lay out work, to find faulty parts and to perform work; ability to understand and follow simple oral and written instructions; ability to get along well with others; ability to use computer applications such as spreadsheets, word processing, e-mail and database software; ability to read, write, speak, understand, and communicate in English sufficiently to perform the essential duties of the position; mechanical aptitude; dependability; physical condition commensurate with the demands of the position.

MINIMUM ACCEPTABLE TRAINING AND EXPERIENCE: A high school or equivalency diploma and either: (a) three years experience in repair or maintenance of mechanical equipment under the supervision of a skilled trades worker; or (b) completion of an appropriate two year technical school course\*.

NOTE: Apprenticeship training or training gained by the completion of technical courses in mechanical maintenance and repair at a school or institute or branch of the Armed Services may be substituted for the above training and experience on a year-for-year basis.

SPECIAL REQUIREMENTS:

1. Possession of a valid license to operate a motor vehicle in the State of New York will be required at time of appointment and maintain same while in the title
2. 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

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

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

West. Co.  
J.C.: Non-Competitive  
SAS51

Job Class Code: C1963  
Job Group: VI