

## **SENIOR PLANT MECHANIC**

Code No.: 4-14-218  
COMPETITIVE

**DISTINGUISHING FEATURES OF THE CLASS:** This is a senior level mechanical maintenance position responsible for assisting in the planning and design of new facilities, and for the mechanical equipment used in water treatment plants, pump stations, storage tanks and underground vaults for the Monroe County Waters Authority. Employees analyze mechanical problems and implement solutions. Employees are required to climb ladders or stairs and enter confined or restricted spaces including sub-grade facilities and maneuver or work in tight quarters around machinery. This level differs from Plant Mechanic in its responsibility for more office management activities. The employee reports directly to and works under the general supervision of the Supervisor of Mechanical Maintenance and provides a lead role on new and complex mechanical projects and assignments. General supervision may be exercised over plant maintenance employees for specific projects or tasks. Employees provide coverage for the Mechanical Maintenance Technician or the Supervisor of Mechanical Maintenance in their absence. Employees must be available for emergency duty twenty-four (24) hours per day. 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.)

Maintains equipment data repair logs and establishes preventive maintenance tasks utilizing a computerized maintenance management system;

Specify, analyze and order parts and equipment;

Analyzes mechanical problems and implements solutions;

Participates in the planning and design of new facilities;

Installs, sets up and maintains pressure actuated valves such as altitude valves, pressure relief valves and pressure regulating valves;

Installs, repairs and conducts preventive maintenance on mechanical equipment such as pumps, valves and air compressors;

Installs and maintains process plumbing and piping, and adjusts chemical feed equipment;

Maintains plant heating, ventilating, cooling and dehumidification equipment;

Cleans clarifiers and settling basins;

Unloads chemicals from trucks and changes chlorine cylinders.

**FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:** Good knowledge of office management techniques; good knowledge of installation, operation, maintenance and repair of pumps, valves, chemical feed systems and air compressors; good knowledge of plant heating, ventilating, cooling and dehumidification equipment; good knowledge of plumbing, pipe fitting, and welding; ability to analyze and

implement solutions to correct mechanical problems; ability to take a lead role in preventive maintenance, skill in the use of a computerized maintenance management system; good judgment, initiative, ability to lead; ability to communicate orally and in writing; ability to establish good working relationships with others; ability to work without constant supervision; manual dexterity; mechanical aptitude; integrity; good judgment; initiative; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:** Graduation from high school or possession of an equivalency diploma, plus EITHER:

(A) Graduation from a regionally accredited New York State registered college or university with an Associate's degree, (or sixty 60 college semester credit hours), in Mechanical Engineering or Mechanical Engineering Technology, plus four (4) years of full-time or its part-time equivalent experience in the installation and maintenance of mechanical and chemical systems including pumps, motors, valves, pipe and fittings; OR,

(B) Six (6) years paid full-time or its part-time equivalent experience as defined in (A) above; OR,

(C) Any equivalent combination of education and experience as defined by the limits of (A) and (B) above.

**SPECIAL REQUIREMENT:** If you are appointed, you will be required to possess a valid license to operate a motor vehicle in New York State, or otherwise demonstrate your capacity to meet the transportation need of the position.

**ADOPTED:** March 4, 2010