

## **WASTEWATER TREATMENT PLANT MECHANIC**

**DISTINGUISHING FEATURES OF THE CLASS:** The position involves performance of skilled mechanical work in the repair, maintenance and fabrication of electronic, pneumatic and mechanical equipment in a Wastewater Treatment Plant. The incumbent performs in accordance with the practices involved in the preventative maintenance of sewage treatment plant equipment including pumps and motors. The work is performed under the general supervision of a higher level administrator. May oversee the work of laborers. Does related work as required.

### **TYPICAL WORK ACTIVITIES:**

Repairs and maintains electronic, pneumatic and mechanical equipment in the wastewater treatment plant;  
Analyzes technical problems with equipment operation and fabricates solutions whenever possible;  
Monitors and repairs motors, pumps, piping and equipment as well as performs preventative maintenance;  
Performs machine shop functions such as welding, brazing, steam fitting and tool production;  
Inspects the wastewater treatment plant and installs equipment;  
Operates and maintains automatic control systems;  
Oversees the work of laborers as well as trains them in maintenance and repair work;  
Operates and rebuilds all shop equipment;  
Reviews and maintains equipment maintenance activity as well as material/supply inventory;  
Occasionally orders materials, parts and supplies;  
Keeps accurate records.

### **FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Thorough knowledge of practices, tools, terminology and safety procedures established for the maintenance and repairs of a Wastewater Treatment Plant;  
Thorough knowledge of the operation, maintenance and repair of pumps and auxiliary equipment;  
Working knowledge of the functions and practices of a wastewater treatment plant;  
Skill in the use of tools and equipment used in maintenance, fabrication and repairs;  
Skill in repairing mechanical equipment;

Ability to work from plans, specifications and rough sketches;  
Ability to follow oral and written instructions;  
Ability to work under restricted space and adverse weather conditions;  
Ability to layout work for others;  
Ability to operate a personal computer to review and maintain equipment maintenance activity as well as material/supply inventory;  
Ability to order maintenance materials/supplies while following departmental guidelines;  
Good communication skills;  
Mechanical aptitude;  
Manual dexterity.

**MINIMUM QUALIFICATIONS:**

Two years of experience in the maintenance and/or operation of wastewater treatment plant equipment or similar pneumatic, hydraulic or electrical equipment and controls.

SPECIAL REQUIREMENT WITHIN 1 YEAR OF APPOINTMENT: Possession of the appropriate level Commercial Driver's License (CDL).

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COMPETITIVE