



## **Wastewater Maintenance Mechanic**

### Wastewater Treatment

#### **JOB SUMMARY**

This position is responsible for the maintenance and repair of process equipment at the agency's wastewater treatment plants.

#### **MAJOR DUTIES**

- Performs maintenance and repair on a variety of mechanical, plumbing, and electrical equipment, including pumps, motors, controllers, valves, charts, and plant instrumentation.
- Performs equipment checks and general equipment maintenance.
- Rebuilds large pumps and motors; Designs and fabricates structures and equipment modifications.
- Reads and interprets plans, maps, and specifications.
- Responds to after-hours emergencies when on call.
- Purchases equipment, materials, and supplies; performs cost comparisons for services, equipment, and supplies; performs inventory duties; Operates a variety of hand and power tools; Operates heavy equipment.
- Welds and fabricates parts; Prepares required reports; Performs related duties.

#### **KNOWLEDGE REQUIRED BY THE POSITION**

- Knowledge of the installation, repair, and maintenance of mechanical and electrical equipment.
- Knowledge of division and agency policies and procedures.
- Knowledge of electrical components and wiring; Knowledge of plant operational processes.
- Skill in the operation and maintenance of mechanical and electrical equipment.
- Skill in the operation of heavy equipment; Skill in the operation of hand and power tools.
- Skill in troubleshooting mechanical equipment; Skill in planning, organization, and decision making.
- Skill in oral and written communication.

#### **COMPLEXITY/SCOPE OF WORK**

- The work consists of related maintenance duties. The necessity of working near high voltage electrical lines and near contaminated water contributes to the complexity of the position.
- The purpose of this position is to participate in the maintenance of wastewater treatment plant equipment and systems. Success in this position contributes to the efficient and effective operation of the treatment plants.

#### **PHYSICAL DEMANDS/ WORK ENVIRONMENT**

- The work is typically performed while intermittently sitting, standing, stooping, walking, bending, or crouching. The employee frequently lifts light and heavy objects, climbs ladders, uses tools or equipment requiring a high degree of dexterity, and must be able to distinguish between shades of color.
- The work is typically performed in a wastewater treatment plant. The work may also be performed outdoors, occasionally in cold or inclement weather. The employee may be exposed to machinery with moving parts and contagious or infectious diseases. The work requires the use of protective devices such as masks, goggles, and gloves.

#### **MINIMUM QUALIFICATIONS**

- Knowledge and level of competency commonly associated with completion of specialized training in the field of work, in addition to basic skills typically associated with a high school education.
- Sufficient experience to understand the basic principles relevant to the major duties of the position, usually associated with the completion of an apprenticeship/internship or having had a similar position for one to two years.
- Possession of or ability to readily obtain a valid driver's license issued by the State of Georgia for the type of vehicle or equipment operated.
- Possession of or ability to readily obtain an appropriate state-certified license for wastewater treatment.