



## **Wastewater Treatment Plant Operator III**

### **Water and Wastewater Treatment**

WWWT/6

#### **JOB SUMMARY**

This position is responsible for participating in the operation of a wastewater treatment plant and related facilities. An incumbent in this position may be designated “Wastewater Treatment Plant Operator I,” “Wastewater Treatment Plant Operator II,” or “Wastewater Treatment Plant Operator Trainee.”

#### **MAJOR DUTIES**

- Monitors the performance of machinery and equipment used to control the treatment process; makes process control decisions; adjusts chemical feed rates.
- Inspects valves, pumps, shafts, motors, gearboxes, seals, and other plant equipment on a regular schedule and records inspection findings.
- Maintains a detailed log of all conditions and activities pertaining to plant operations; prepares inspection sheets, logs, and flow charts; enters data to computer.
- Inspects wells and lifts stations; performs routine maintenance; checks and changes chlorine cylinders; checks and maintains fluoride levels.
- Collects samples and performs laboratory tests as needed.
- Draws, samples, and pumps raw sludge.
- Monitors and operates the SCADA system.
- Performs preventative maintenance to pumps, motors, and other plant equipment.
- Operates sludge digestion equipment.
- Unloads plant equipment and chemicals from delivery trucks.
- Maintains plant buildings and grounds.
- Responds to after-hours emergencies as required.
- Performs related duties.

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

- Knowledge of wastewater treatment plant equipment, processes, and procedures.
- Knowledge of federal and state regulations relevant to the treatment of wastewater.
- Knowledge of wastewater treatment plant operations and maintenance.
- Knowledge of wastewater sampling and laboratory analysis principles.
- Knowledge of chemistry and biology.
- Knowledge of computers and job-related software programs.
- Skill in the operation and maintenance of a wastewater treatment facility.
- Skill in ensuring compliance with complex regulations.
- Skill in the collection and analysis of wastewater samples.
- Skill in interpersonal relations and in dealing with the public.
- Skill in oral and written communication.

#### SUPERVISORY CONTROLS

The Water and Wastewater Treatment Superintendent assigns work in terms of general instructions. The supervisor spot-checks completed work for compliance with procedures, accuracy, and the nature and propriety of the final results.

#### GUIDELINES

Guidelines include EPD and EPA rules and regulations, NPDES permit requirements, and city and department policies and procedures. These guidelines are generally clear and specific but may require some interpretation in application.

#### COMPLEXITY/SCOPE OF WORK

- The work consists of related plant operation and maintenance duties. Strict regulations contribute to the complexity of the position.
- The purpose of this position is to participate in wastewater treatment plant operations and maintenance. Success in this position contributes to the safe and regulatory compliant treatment of wastewater.

#### CONTACTS

- Contacts are typically with co-workers, vendors, and members of the general public.
- Contacts are typically to provide services, to give or exchange information, or to resolve problems.

**PHYSICAL DEMANDS/ WORK ENVIRONMENT**

- The work is typically performed while intermittently sitting, standing, walking, or stooping. The employee frequently lifts light and occasionally heavy objects, climbs ladders, distinguishes between shades of color, and utilizes the sense of smell.
- The work is typically performed in a wastewater treatment plant, and outdoors, occasionally in cold or inclement weather. The employee may be exposed to machinery with moving parts, contagious or infectious diseases, or irritating chemicals. Work requires the use of protective devices such as masks, goggles, gloves, etc.

**SUPERVISORY AND MANAGEMENT RESPONSIBILITY**

None.

**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 State of Georgia Class III wastewater license.