



Water Treatment Plant Operator (or Trainee)

Water Production

Starting Pay Range: Depends on Qualifications

JOB SUMMARY

This position is responsible for performing specialized duties in the operation of a water treatment plant.

MAJOR DUTIES

- Operates equipment to control water flow and maintain proper operating levels.
- Monitors the SCADA system to ensure proper plant operations.
- Services, maintains, operates, and repairs facilities and equipment, including large-scale pumping devices, chlorination and other chemical feed systems, storage facilities, and related equipment.
- Collects samples; performs laboratory analyses to ensure that treatment facilities are operating efficiently; supervises and carries out corrective actions; Makes rounds of plants; reads gauges and meters; records readings.
- Maintains, calibrates, and repairs a variety of mechanical and electrical equipment, including pumps, motors, controllers, valves, charts, and plant instrumentation.
- Maintains maintenance and chemical analysis records; prepares logs, records, and reports, including required local, state, and federal reports.
- Maintains plant facilities; paints interior and exterior surfaces; makes minor building repairs.
- Reads and interprets plans, maps, and specifications; Responds to after-hours emergencies.
- Attends required training classes; Flushes hydrants; Performs related duties.

KNOWLEDGE REQUIRED BY THE POSITION

- Knowledge of treatment principles, operations, and equipment.
- Knowledge of computers and job-related software programs.
- Knowledge of chemistry, mathematics, hydraulics, and biology.
- Knowledge of division and agency policies and procedures and federal, state, and local laws and regulations.
- Skill in the interpretation of plans, maps, and specifications.
- Skill in the operation and maintenance of mechanical and electronic equipment.
- Skill in planning, organization, and decision making.
- Skill in thinking clearly under difficult circumstances; Skill in oral and written communication.

COMPLEXITY/SCOPE OF WORK

- The work consists of related administrative and technical duties. Changing water conditions contribute to the complexity of the position.
- The purpose of this position is to perform specialized duties in the operation of a water treatment plant. Successful performance helps ensure the provision of safe drinking water for all customers.

PHYSICAL DEMANDS/ WORK ENVIRONMENT

- The work is typically performed while sitting at a desk or table or 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, distinguishes between shades of color, and utilizes the sense of smell.
- The work is typically performed in an office, at water treatment facilities, 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.

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. Completion of an apprenticeship/internship or having had a similar position for one to two years preferred, but not required.
- 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 water treatment. (Class II and III CDL with HazMat endorsement.)