

WATER PLANT OPERATOR CLASS II

Definition:

Under the general supervision of the Water Plant Superintendent, a person in this position performs skilled work in the operation of the City's water distribution plant involving the responsible operation of filters, chemical feeders and allied equipment vital to the water purification process while exercising independent judgment and initiatives. Person in this position does not exercise supervisory control.

Example of Work:

A person in this position typically performs the following examples of the duties and associated tasks. No attempt has been made to be exhaustive in this listing.

Major Duties:

Plant Operation / Administrative:

- Regulates the proper flow of chemicals and/or substances such as lime, alum, chlorine, polymer, phosphate, activated carbon, and fluoride in water by making visual inspections of various regulatory gauges or instruments to maintain the prescribed levels of substance mandates by the state and federal governments.
- Deposits chemicals and other substances into automatic feeder devices by physically transporting them from storage areas to the location of the automatic feeders in order to ensure that water is properly treated with the necessary levels of chemicals and/or substances.
- Checks water level gauges/instruments by making daily inspections of various instruments to ensure that proper water levels in the filters, clear well, and system storage tanks are maintained.
- Inspects pump operation by visual inspection of gauges and instruments in order to control the pressure and flow of water in the distribution system.
- Tests small samples of water at the plant on a routine basis by following specific laboratory testing techniques to ensure that the water purification/treatment process is functioning properly.

- Inspects all mechanical equipment on a daily basis by making visual checks of various parts, equipment, and instruments and by making oral and written reports of any defects to the Water & Wastewater Superintendent in order to ensure the proper operation and maintenance of the water plant facility.
- Maintain sanitary conditions and proper operation of the plant by changing and cleaning various filters, assisting in the cleaning of the facility and grounds, and by performing any other general maintenance duties when necessary.
- Maintains a log of various chemical levels in the water by writing down data in a report to be sent to the EPD every month for inspection.

Supervisory:

- Responds to emergency calls regarding plant equipment breakdown or operation by returning to the water plant to physically inspect, assess, and/or correct the breakdown or problem.
- Trains and supervises the work of the other water plant operators when necessary in the proper methods/ techniques of water plant operation in order to maintain competent execution of the water plant.
- Performs related work as required.

Desired Knowledge, Skills, and Abilities:

- Knowledge of the processes involved in the purification of water and of the City water distribution system.
- Knowledge of the functioning and servicing of mechanical equipment.
- Knowledge of routine modern laboratory procedures related to a public water supply system.
- Ability to visually inspect and write down accurate records of data relevant to the water distribution plant.

- Ability to perform physical tasks like the following: climb up and down ladders, lift heavy objects like fifty-pound chemical storage containers, roll and push a 150lb. chlorine cylinder, use hand trucks for transporting equipment and supplies, and other related tasks.
- Ability to work around potentially dangerous chemicals and to quickly notify the proper authorities by phone in the event of a spill or leak.
- Ability to read simple meters and charts.
- Skill in performing routine laboratory tests on water at the water plant.

Minimum Education and Experience:

- The following standards express the minimum background of training and experience desirable as evidence of an applicant's ability to qualify for positions in this class. Other training or experience, if evaluated as equivalent, may qualify the applicant for the position.
- Completion of a standard high school education or its recognized equivalent and preferably supplemented by training courses related to the efficient operation of a water purification system.
- Some experience as a water plant operator III.

Necessary Special Requirements:

- Certification by the Georgia State Board of Examiners for Certified Water Plant Operators as a Class II Operator.
- Possession of a valid Georgia Driver's License.