

**CITY OF THOMSON, GEORGIA  
CLASS SPECIFICATION**

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**CLASS TITLE:** WASTEWATER MAINTENANCE TECHNICIAN I  
**DEPARTMENT:** WASTEWATER  
**REPORTS TO:** WASTEWATER DIRECTOR

**DEPT. CODE:**  
**DATE LAST REVISED:** 02/2021

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**JOB SUMMARY:**

This position emphasis is on pump and motor repair. The individual will work in many different activities associated with the wastewater treatment and disposal field, including plan clean-up, grounds maintenance, and general plant and collection system operations.

**ESSENTIAL JOB FUNCTIONS:** (All responsibilities may not be performed by all incumbents.)

- Operates and maintains various pieces of sludge equipment.
- Operates a variety of tractors, loaders, pumps, pressure washers and miscellaneous other equipment to complete assigned tasks.
- Maintains and repairs pump and pump motors.
- Assists in the maintenance and repair of other mechanical equipment such as valves, clarifier and chlorination equipment.
- Assists in the operation of equipment such as pumps, bar screens, clarifiers, digesters, sludge pumps, aerators, control panels and sludge press.
- Makes reading and recordings of temperature, electric meters, weather conditions, and quality of sludge removed.
- Checks operating equipment for malfunctions and lubricates machinery.
- Installs and replaces pumps and assists in installation replacement of valves and regulators.
- Performs general maintenance required to keep working areas safe, clean, and neat.
- Performs other related duties as assigned.

**KNOWLEDGE, SKILLS, AND ABILITIES:**

- Knowledge of the principles, practices, and methods of wastewater treatment.
- Knowledge of mechanics and operations of wastewater treatment plant, pumps, pump systems, machinery, equipment, materials and operating procedures of a modern wastewater treatment facility.
- Knowledge of plant electricity, mechanics, pumps, and motors.
- Skill in the safe and effective operation of wastewater treatment plant.
- Ability to diagnose wastewater treatment plant pump system malfunctions and determine appropriate procedure to repair those malfunctions.
- Ability to perform maintenance and repairs to wastewater treatment plant mechanical components and equipment, including valves, motors, and control panels.
- Ability to read, interpret and apply information from technical manuals, blueprints, meters, charts and other written materials.

**SUPERVISORY CONTROLS:** The Wastewater Director assigns work in somewhat general terms, with many aspects of the work covered specifically, which require the employee to use some judgment. The employee plans and carries out the successive steps and handles problems and deviation in the work assignment in accordance with instructions, policies, previous training, or accepted practices in the occupation. Work is evaluated for technical soundness, appropriateness, and conformity to policy and requirements while in progress or when completed.

**SCOPE AND EFFECT:** The purpose of this position is to perform semi-skilled and skilled physical labor in support of the operation, maintenance and repair of the Wastewater facility, along with the pumping stations.

**PHYSICAL DEMANDS AND WORK ENVIRONMENT:** While performing the essential functions of this job, the employee is regularly required to walk outdoors, climb ladders, perform excavations, climb stairs, and drive vehicles. The employee must have the physical strength and ability to sufficiently perform heavy manual labor for extended periods of time in various environments, frequently exerting force sufficient to lift, move, or maneuver 100 pounds, including frequent bending, walking, stooping, and heavy lifting. The employee must hear sufficiently to recognize changes in sounds made by machinery, equipment, or motors.

The employee must see colors, shapes, and outlines of objects both near and at a distance, with depth perception required. The employee is regularly exposed to weather conditions, especially cold and hot temperatures, humidity, rain, and sun. The employee is also exposed to airborne irritants, fumes, dust, gases, noxious odors, vibrations, electrical shock, and moving mechanical parts. The incumbent's working conditions are typically very loud. The work requires the use of safety devices such as masks, goggles, and gloves. The work environment involves high risks with exposure to potentially dangerous situations or unusual environmental stress requiring a range of safety and other precautions. The employee may work in a confined space in awkward positions, such as stooping and kneeling for extended periods.

**SUPERVISORY AND MANAGEMENT RESPONSIBILITY:** None

**MINIMUM QUALIFICATIONS REQUIRED:**

- High School Diploma or equivalent.
- Valid Georgia Class C Driver's license.
- At least one (1) year of experience in the maintenance and repair of pumps and pump motors.
- Possession of or ability to obtain a Maintenance Technician Certification within one year of hire.
- Ability to operate heavy equipment such as tractors, loaders and other equipment.

file: Wastewater Treatment Maintenance Technician

This class specification should not be interpreted as all inclusive. It is intended to identify the essential functions and requirements of this job. Incumbents may be requested to perform job-related responsibilities and tasks other than those stated in this specification. Any essential function or requirement of this class will be evaluated as necessary should an incumbent/applicant be unable to perform the function or requirement due to a disability as defined by the Americans with Disabilities Act (ADA). Reasonable accommodation for the specific disability will be made for the incumbent/applicant when possible.