

**Title:** Wastewater Equipment Mechanic III  
**PG:** 47  
**Status:** Civil Service  
**Position Reports to:** Manager of Wastewater Treatment  
**Department:** Water Utilities

**Class Code:** 7076  
**Date:** 09/08

**GENERAL DESCRIPTION OF CLASS:**

This is highly skilled technical, supervisory work in the installation, maintenance, and repair of machinery and equipment in wastewater treatment, disposal facilities and wastewater pumping stations. Work involves the responsibility for the proper operation of all mechanical and electrical equipment and machinery at wastewater treatment, disposal facilities and pumping stations. Work also includes supervision of personnel, equipment, and vehicles required to perform these services. Work is performed under general supervision and is reviewed by periodic inspection, equipment performance, and feedback from supervisors.

**ESSENTIAL FUNCTIONS:**

1. Inspects mechanical and electrical equipment, evaluates performance, and makes decisions as to maintenance and repair requirements.
2. Directs the more difficult repairs when necessary or arranges and coordinates the work of outside contractors.
3. Prepares cost estimates, requisitions for materials, and maintains parts inventory control.
4. Supervises mechanics and electrical technicians in the installation, maintenance, and repair of all treatment facility and pumping station equipment.
5. Provides comprehensive maintenance records to be utilized in a computerized maintenance program.
6. Works in confined spaces or hazardous areas.

**ADDITIONAL RESPONSIBILITIES:**

1. Performs related work as required.
2. Assists in monitoring and maintaining the telemetry alarm system.

**KNOWLEDGE, SKILLS & ABILITIES:**

1. Considerable knowledge of operation and repair of electrical, mechanical, hydraulic, and pneumatic components of wastewater treatment plants and pumping stations.
2. Considerable knowledge of tools, methods, and practices used in a variety of mechanical trades.
3. Considerable knowledge of safety regulations, hazards and precautions, and ability to promote safety among subordinates.
4. Some knowledge of basic electricity principles, hydraulic and pneumatic systems, welding, elementary drafting, and blueprint reading.
5. Ability to perform, supervise, and direct the work of subordinates engaged in mechanical and electrical maintenance or repair.
6. Ability to compose and complete technical records and reports.
7. Ability to bend, stoop, twist and stand for long periods of time.
8. Ability to work outdoors under a variety of climatic conditions.
9. Ability to climb stairs and ladders, and to walk over uneven and/or broken surfaces.
10. Ability to establish and maintain harmonious and effective working relationships with supervisors, co-workers, other City employees, and the general public.

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**WORKING ENVIRONMENT/CONDITIONS:**

Requires manual work that involves walking or standing some of the time and exerting up to 100 pounds of force on a recurring basis.

The job risks exposure to chemical, biological, electrical and mechanical hazards. The employee will be required to work in bright/dim light and adverse weather conditions. Frequent exposure to the general hazards of the industrial working environment and construction sites are also possible.

The job requires normal visual acuity, and field of vision, hearing, speaking, color perception, sense of smell, depth perception, and texture perception.

**QUALIFICATIONS (EDUCATION, TRAINING, AND EXPERIENCE):**

1. High school diploma or its equivalent, supplemented by vocational course work in mechanical maintenance and repair.
2. Three (3) years of experience in the repair and maintenance of machinery including engines, motors and pumps. One (1) year of supervisory experience.
3. An equivalent combination of education and experience that is determined to be directly related to the foregoing specific requirements may be substituted.
4. Completion of City University Level one (1) or completion within twelve (12) months.

**SPECIAL REQUIREMENTS:**

1. Must possess and maintain a valid state of Florida driver's license.
2. Must maintain a valid home telephone number.
3. Required to pass and maintain qualification for:
  - a. Respiratory Protection Physical
  - b. Pulmonary Function
  - c. Qualitative and Quantitative Fit Test(s)
4. May be required to work overtime, or alternate hours, as necessary for the efficient operation of the department. Position may be designated as Mission Critical by Department Director.