

## **PLANT TECHNICIAN I**

### **MAJOR FUNCTION**

This is semi-skilled to skilled work in the installation, maintenance, and repair of pumps, motors, electrical controls, valves, blowers, lift stations, and mechanical/electrical equipment found in a water/wastewater treatment facilities and disposal systems. Employees perform essential functions as outlined herein according to acquired knowledge, skills and abilities.

### **ESSENTIAL FUNCTIONS**

The following statements describe the principal functions of this job and its scope of responsibility, but should not be considered an all-inclusive listing of work requirements. Individuals may perform other duties as assigned, including working in other functional areas to cover absences or relief, to equalize peak work periods or otherwise to balance the workload.

- Has a skilled knowledge of corrective, preventative, and rehabilitative maintenance on pumps, motors, lift stations, and electrical equipment.
- Inspects, diagnoses trouble, and completes repairs on all mechanical equipment and electrical equipment normally found in water/wastewater facilities.
- Performs preventative maintenance and calibrations required by equipment manufacturers.
- Performs rehabilitative, corrective, and preventative maintenance to structures, and related equipment that has failed or to improve performance and expand the service life of the various pumps, control panels, facilities, and related equipment.
- Works a rotating twenty-four hour, seven-day on-call shift for emergency coverage.
- Operates two way radio and telephone.
- Calibrates instruments as required by operating permit from DEP and Florida Administrative Code.
- Welds and fabricates metal parts and structures of aluminum, stainless, and steel.
- Attends meetings and training classes to keep current on electrical code changes and advancements in the water/wastewater field.
- Establishes and maintains effective working relationships with supervisory personnel.
- Required to report to work at the appointed hour, as scheduled, and to work the entire assigned schedule.

### **SECONDARY FUNCTIONS**

- Performs other tasks as assigned.

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**CUSTOMER SERVICE**

This is a front-line position for providing excellent customer service to members of the general public and other County employees. Personal contact occurs with other employees of the unit, employee of other departments in the County, citizens, and customers of the department. Service is provided in person and by phone contact.

**SUPERVISION**

This position has no supervisory responsibility.

**EDUCATION, EXPERIENCE, LICENSES & CERTIFICATIONS**

**Education and Experience**

High school diploma or general education degree (GED). Two to three years related experience and training, supplemented by courses relating to the theory and maintenance of electrical and mechanical equipment normally found in a water/wastewater facility.

**Licenses**

Valid Florida Driver License, Class B CDL.

**Certifications**

Certified in instrumentation and controls within one year of assignment to the job classification.

**JOB SKILLS**

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements are representative of required knowledge, skills and abilities.

**Language Skills**

- Ability to work with minimum of supervision.
- Ability to communicate clearly and effectively both verbally and in writing.
- Ability to maintain technical information and prepare reports.

**Mathematical Skills**

- Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals.
- Ability to compute rate, ratio, and percent and to draw and interpret bar graphs, percentages, area, circumference, and volume.
- Ability to read and interpret various gauges and convert readings into operational data.

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### **Problem Solving Abilities**

- Ability to apply common sense understanding to carry out instructions furnished in written, oral or diagram form from supervisor or lead person.
- The ability and knowledge regarding use of equipment, tools and materials, problem solving situations as they arise so employee is capable of giving instruction to others.

### **Specialized Skills and Abilities**

- Knowledge of the principles, practices, methods, tools, materials, and of the hazards and the safety requirements of the electrical and mechanical trades is required.
- Ability to apply common sense when around or while using machinery and mechanical equipment in operation and to detect visual and audible flaws and defects in operations and safety.
- Ability to understand and support department and County policy.
- Ability to remain calm in stressful situations.
- Ability to take a teamwork approach to the job by cooperating with others, offering to help others when needed, and considering larger organization or team goals rather than individual concerns. Includes the ability to build a constructive team spirit where team members are committed to the goals and objectives of the team.

### **Machinery and Equipment**

In order to complete the tasks of this position, the employee will be required to operate an amp meter, volt meter, meggar, various small hand and power tools of the trade, and a boom truck.

### **PHYSICAL DEMANDS**

While performing the duties of this job, the employee will occasionally be required to sit; will regularly be required to climb or balance, and lift up to fifty pounds; and will frequently be required to stand, walk, use hands to finger, handle, or feel, reach with hands and arms, stoop, kneel, crouch, or crawl, talk or hear, taste or smell. Vision requirements are color and peripheral vision. Audible requirements are to be able to detect abnormal equipment operation by sound.

### **WORK ENVIRONMENT**

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee will occasionally be exposed to high precarious places, fumes or airborne particles, explosives, and vibration; will regularly be exposed to wet or humid conditions, moving mechanical parts, extreme heat, risk of electrical shock and risk of radiation; and will frequently be required to work in outdoor weather conditions. The typical noise level is loud.

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Established: 6/2003

Pay Grade: 10

Job Description Number: 7069

Category: 7

Status: NE

Revised: 2/2004