

**Title:** Plant Mechanic II  
**PG:** 037  
**Status:** Civil Service  
**Position Reports to:** Power Production Foreman  
**Department:** Lakeland Electric

**Class Code:** 7051  
**Date:** 10/09

### **GENERAL DESCRIPTION OF CLASS:**

This is responsible journey level skilled work in the maintenance and repair of specialized power plant equipment, apparatus and fixtures. Work involves the responsibility for the performance of a variety of repair and maintenance tasks requiring a high degree of accuracy and precision. Assignments are made to specific jobs and may include sketches, blueprints, oral and/or written instructions. Work is usually performed independently, with guidance or assistance given by the supervisor on difficult and complex jobs. Work is inspected upon completion for proper performance and accuracy of results.

### **ESSENTIAL FUNCTIONS:**

1. Maintaining, monitoring, and servicing station equipment and systems. (Examples: boilers, turbines/generators (both fossil fuel and combine cycle units), fans, coal conveying and treatment systems, ash handling systems, and other station equipment.
2. Continuously monitor station parameters and quickly take corrective action to prevent loss of generation, efficiency and reliability.
3. Ensure that the units and the emission control equipment are maintained to prevent excess emissions.
4. Troubleshoot systems/equipment and recommend course of action to the foreman or team leader on deteriorating trends or conditions.
5. Perform maintenance on equipment systems and handle emergency repairs or maintenance as necessary.
6. Take an active role in contributing to station profitability by eliminating wasted materials and supplies and maintain high personal productivity.
7. Work in a team environment; establish good working relations with teammates, team leaders, foreman and operations personnel.
8. Ownership for areas such as preventive maintenance/predictive maintenance, performance, safety, training and the business process.
9. Accountable for learning and adhering to all environmental and safety procedures including red tagging and personal protective equipment.
14. Experience with lifting and rigging techniques. Experience with basic crane operation.

### **ADDITIONAL RESPONSIBILITIES:**

1. Performs related work as required.

### **KNOWLEDGE, SKILLS & ABILITIES:**

1. Considerable knowledge of the standard practices, methods, tools and materials of the mechanical trade.
2. Knowledge or working experience with operation of lathes, milling machines and surface grinders a plus.
3. Knowledge of the occupational hazards and safety precautions of the work.
4. Knowledge of the inter-relationship between the various plant machines and equipment and the effect the faulty operation of one has on the system.
5. Knowledge of the principles of electrical power generation.
6. Skill in the use of hand tools and machine shop equipment.
7. Ability to recognize and diagnose faulty operation of a variety of machines.
8. Ability to work from sketches and blueprints, and ability to carry out written and oral instructions. Good verbal and written communication skills. Basic reading, writing and math skills, including reading blueprints and P & ID schematics.

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9. Able to pass respiratory physical and wear all required safety equipment.

**WORKING ENVIRONMENT/CONDITIONS:**

Requires sedentary work that involves walking, bending, stooping, kneeling, pushing, pulling, climbing ladders, working in extreme heat or cold, lifting up to 50 lbs, walk/work on grating surfaces at extreme heights, and work in confined spaces.

The job risks exposure to no significant environmental hazards.

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, and two (2) years of experience as a Plant Mechanic I in the repair and maintenance of plant or related machinery and equipment.
2. An equivalent combination of education and experience that is determined to be directly related to the foregoing specific requirement may be substituted.

**SPECIAL REQUIREMENTS:**

1. Must possess a valid state of Florida driver's license.
2. Must maintain a valid telephone number.
3. May be 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.