

Title: Plant Mechanic I
PG: 028
Status: Civil Service
Position Reports to: Designated Supervisor
Department: Lakeland Electric

Class Code: 7050
Date: 02/10

GENERAL DESCRIPTION OF CLASS:

This is apprentice level work in the maintenance and repair of power plant machinery and equipment. Employees are responsible for the performance of a variety of repair and maintenance tasks in maintaining the efficient operation of an electric power plant. On major repair jobs, the employee works with, and under, the direct supervision of the Plant Maintenance Foreman, but more frequently works alone as a mechanic. Work assignments may arise as a result of breakdowns in the plant, inspections of operating conditions, or oral or written instructions from a supervisor. Work is inspected in process or upon completion by the Plant Mechanical Maintenance Foreman for quality of work and operating 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. Troubleshoot systems/equipment and recommend course of action to the foreman or team leader on deteriorating trends or conditions.
3. Perform maintenance on equipment systems and handle emergency repairs or maintenance as necessary.
4. Take an active role in contributing to station profitability by eliminating wasted materials and supplies and maintain high personal productivity.
5. Work in a team environment; establish good working relations with teammates, team leaders, foreman and operations personnel.
6. Ownership for areas such as preventive maintenance/predictive maintenance, performance, safety, training and the business process.
7. Accountable for learning and adhering to all environmental and safety procedures including red tagging and personal protective equipment.
8. Work with operation of lathes, milling machines, and surface grinders.
9. Perform rotating equipment assessments, troubleshoot; perform equipment rebuilds, and alignment of equipment with precision tooling.

ADDITIONAL RESPONSIBILITIES:

1. Performs related work as required.

KNOWLEDGE, SKILLS & ABILITIES:

1. Knowledge of the standard practices, methods, tools and materials of the mechanical trades.
2. Knowledge of the inter-relationships between the various plant machines and equipment and the effect the faulty operation of one has on the system.
3. Knowledge of the occupational hazards and safety precautions of the work.
4. Knowledge of the principles of electrical power generation.
5. Ability to recognize and diagnose faulty operation of a variety of machines. Good verbal and written communication skills. Basic reading, writing and math skills, including reading blueprints and P & ID schematics.
6. Able to pass respiratory physical and wear all required safety equipment.

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WORKING ENVIRONMENT/CONDITIONS:

Requires physical 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 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.
2. One (1) year of experience as a Plant Mechanic Helper including a variety of mechanical and maintenance tasks.
3. An equivalent combination of education and experience that is determined to be directly related and equivalent to the foregoing specific requirements may be substituted.

SPECIAL REQUIREMENTS:

1. Must possess a valid state of Florida driver's license.
2. Must maintain a valid home 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.