

**Title:** Plant Welder I  
**PG:** 015  
**Status:** Civil Service  
**Position Reports to:** Power Production Foreman  
**Department:** Lakeland Electric

**Class Code:** 7054  
**Date:** 10/09

**GENERAL DESCRIPTION OF CLASS:**

This is a skilled technical position in the fabrication and welding maintenance of a multi-fueled power generating facility. Work involves welding on process piping, structural steel, and plate code welds, carbon steel and similar welds of an advanced nature. Work also includes the fabrication and layout of piping systems, structural steel, boiler repairs, and mechanical maintenance of high pressure steam power plant equipment.

**ESSENTIAL FUNCTIONS:**

1. Assists in maintaining, monitoring, and servicing station equipment and systems including boilers, turbines/generators (both fossil fuel and combine cycle units), fans, coal conveying and treatment systems, ash handling systems, and other station equipment.
2. Assists in troubleshoot systems/equipment and recommend course of action to the foreman or team leader on deteriorating trends or conditions.
3. Performs maintenance on equipment systems and handle emergency repairs or maintenance as necessary.

**ADDITIONAL RESPONSIBILITIES:**

1. Performs related work as required.

**KNOWLEDGE, SKILLS & ABILITIES:**

1. Knowledge of the standard practices, methods, tools and materials used in advanced welding.
2. Knowledge of the occupational hazards and safety precautions of the work.
3. Knowledge of the principles of electrical power generation.
4. Knowledge of proper lifting and rigging techniques and basic crane operating procedures.
5. Knowledge of environmental and safety procedures including Red Tag and personal protective equipment.
6. Knowledge of basic operating techniques of iron worker, drill press, milling machines, track/beveling torches, cold saw, skyclimber, and various other types of welding machines and equipment.
7. Ability to examine and analyze welds for defects.
8. Ability to work to very close tolerances and perform fabrication and layout work on piping and structural steel, troubleshoot and perform equipment rebuilds.
9. Ability to work in a team environment; establish good working relations with teammates, team leaders, foreman and operations personnel.
10. Ability/willingness to perform work safely and to report unsafe practices/situations to the appropriate supervisor.

**WORKING ENVIRONMENT/CONDITIONS:**

Requires physical work that involves walking or standing some of the time, exerting up to 50 pounds of force on a recurring basis, working in confined spaces and routine keyboard operations. Requires balancing, climbing, crawling, sitting, stooping, stretching, kneeling, reaching, pushing, pulling, crouching and bending over repetitively.

Job risks exposure to hot/cold temperatures, adverse weather conditions, intense sunlight glare, and wet, humid conditions may be encountered during the performance of job duties.

Job risks include chemical, biological, electrical and mechanical hazards, moving machinery, extreme heights, toxic, noxious fumes, vibration, dusts, pollen, bright/dim lights, and extreme noise levels.

Requires normal visual acuity, field of vision, hearing, speaking, color perception, sense of smell, depth perception, texture perception and use of a respirator or face mask.

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

1. High School diploma or GED equivalent.
2. One (1) year of experience in welding work.
3. An equivalent combination of education and experience that is determined to be directly related to the foregoing specific requirement may be substituted.
4. Must be certified to the AWS D1.1 Specification No. 1017-PG in the 3G position.
5. Ability to be certified in the A.S.M.E code welding positions 6G pipe.

**SPECIAL REQUIREMENTS:**

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