

**Title:** Superintendent of Operations–Power Production  
**PG:** 71  
**Status:** Civil Service  
**Position Reports to:** Plant Manager  
**Department:** Lakeland Electric

**Class Code:** 3117  
**Date:** 09/08

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

This is responsible supervisory and technical work in directing the operation of a large modern multi-fueled steam electric generating plant including environmental and related systems, the primary fuel being pulverized coal supplemented by municipal solid waste and augmented by natural gas and number 6 fuel oil. Work involves directing and coordinating both Power Operations and Environmental Operations at McIntosh Power Plant. This includes the responsibility for supervising the safe and efficient operation of a variety of mechanical and electrical equipment of the large steam power generating plant. Work also includes the assignment of tasks to plant operating, security, and environmental operations personnel. Work involves directing and supervising the start up and shutdown of steam generating units, steam turbine/generators and related equipment and the activities of all environmental concerns to ensure compliance with applicable environmental rules and regulations. Work also involves responsibility of ensuring that the water processing, and flue gas desulphurization operations are functioning in a safe and efficient manner. This classification works independently under the general direction of the McIntosh Plant Manager and work is reviewed through regular conferences, written reports and overall effectiveness of the operations for which the employee is responsible.

### **ESSENTIAL FUNCTIONS:**

1. Supervises the Plant Operators in the performance of their duties related to the operation of modern gas, oil and coal fired steam generators and electric generating units.
2. Plans and schedules all boiler and generator testing, assigning appropriate personnel to carry out these tasks.
3. Makes periodic inspection of buildings, machinery, and equipment related to plant operation.
4. Inspects all operations activities for safety precautions and instructs employees against occupational hazards.
5. Directs the operation of a six million gallon per day water treatment plant for treating the Unit 3 main cooling tower reuse water.
6. Directs the operation of the Processed Water Treatment System and related water analysis.

### **ADDITIONAL RESPONSIBILITIES:**

1. Performs related work as required.
2. Directs the unloading of coal trains and maintains an active and reserve coal pile; ensures against spontaneous combustion of coal.
3. Directs the efficient operation of the Refuse Processing Facility to comply with all environmental requirements.
4. Directs Water Management activities throughout the plant site, including the operation of all three (3) Demineralizers and the Condensate Polishing Unit which provide pure water for boiler steam.
5. Administers budgets and projects; coordinates with engineering and consulting firms.
6. Coordinates maintenance scheduling and completion of work on operating and environmental systems.
7. May perform duties of the Manager of Maintenance - Power Production to ensure that top plant management training and versatility are maintained.

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

1. Thorough knowledge of the machinery, equipment, materials, and operating practices of a steam electric generating plant.

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2. Thorough knowledge of the occupational hazards connected with steam plant operation and necessary safety precautions.
3. Thorough knowledge of administrative policy and procedures associated with the operation and maintenance of a multi-fueled steam power generating plant and supporting environmental systems.
4. Considerable knowledge of the principles of steam electric generation and of plant construction equipment.
5. Ability to effectively delegate responsibility and authority to subordinates. Must be able to effectively manage people.
6. Ability to plan, layout, schedule, assign and inspect the work of power plant operating personnel.
7. Ability to maintain records and prepare reports.
8. Ability to establish and maintain effective working relationships with supervisors, direct reports, co-workers and other organizational units of the utility and the City of Lakeland.

**WORKING ENVIRONMENT/CONDITIONS:**

Requires sedentary work that involves walking or standing some of the time, exerting up to 10 pounds of force on a recurring basis, and routine keyboard operations.

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. Two (2) years of college level courses.
2. Four (4) years of experience in the operation of a large high pressure steam electric power plant in power operations, water operations, material handling operations, or flue gas desulphurization operations at the level of supervisor.
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 three (3) or completion within twelve (12) months.

**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 work overtime, or alternate hours, as necessary for the efficient operation of the department. Position may be designated as Mission Critical by Department Director.