

Title: Control Center Operator

PG: 046

Status: Civil Service

Position Reports to: Power Production Foreman /Operations

Department: Lakeland Electric

Class Code: 3020

Date: 10/09

GENERAL DESCRIPTION OF CLASS:

This is highly skilled work in the operation of the control center of a large multi-fuel burning electrical power generation plant.

ESSENTIAL FUNCTIONS:

1. Places in service, removes from service and operates high pressure steam boilers and their related equipment by operation from the Control Center. These include coal unloading, conveying and preparation systems and the refuse burning system.
2. Places in service, removes from service and operates turbo-generators, their related equipment and auxiliaries, opens and closes switches and valves as necessary from the Control Center.
3. Reads meters and gauges; keeps charts inking; maintains necessary logs and records.
4. Loads generators on an incremental basis; monitors and regulates voltages, power factors and variable flows.
5. Monitors and regulates energy flow from the Power Plant and takes corrective actions as necessary.
6. Operates and monitors the controls and equipment of the electrostatic precipitators and SO₂ scrubbers.
7. Maintains safe work habits and reports unsafe working conditions to his or her immediate supervisor.
8. Performs periodic operational checks on systems and equipment such as turbine valve test, turbine trip test and the generator gas monitor.
9. Controls peaking units, transmission switches and breakers; operates telephones and radio; keeps equipment clean.
10. Maintains safe work habits and reports unsafe working conditions to immediate supervisor.
11. Directs the activities and assists with the training of subordinates.
12. Have units on line and on time for scheduled releases with Safety in mind at all times.

ADDITIONAL RESPONSIBILITIES:

1. Performs related work as required.

KNOWLEDGE, SKILLS & ABILITIES:

1. Knowledge of the properties and the effects of burning natural gas or No. 6 fuel oil, No. 2 oil, coal and refuse.
2. Knowledge of the safest and most efficient steam pressures and temperatures in boiler operation and of the common hazards and safety precautions.
3. Knowledge of the principles of electrical power generation.
4. Knowledge of the computer functions required for control center operations.
5. Skill in the operation of power interchanges and related voltage controls procedures.
6. Ability to anticipate and react quickly to emergency conditions.
7. Ability to follow oral and written instructions.
8. Able to instruct other operators to assist needed work for Control Center Operator in plant performance.

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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, 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 taste, sense of smell, depth perception, and texture perception.

QUALIFICATIONS (EDUCATION, TRAINING, AND EXPERIENCE):

1. High school diploma or its equivalent.
2. Two (2) years of experience as a Power Operator III or one (1) year experience as Control Center Operator - Larsen.
3. Candidates must have completed a check sheet for either Plant Control Center Operator position, training courses and simulator training for McIntosh Control Center Operator completed.
4. An equivalent combination of education and experience that is determined to be directly related 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 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.