

POWER PLANT OPERATOR - SAMPLE JOB DESCRIPTION

Title: Power Plant Operator

Major Duties: Responsible for the safe and proper operation of a power plant, switchyard and associated control structures. Using local automatic/manual modes of operation, starts, stops, synchronizes and regulates power and reactive loads on turbine-generators. Issues clearances and performs switching and clearing of generator, transmission lines and station service switchgear. Maintains power-plant operating log and prepares power generation and transmission equipment operating reports. Prepares equipment malfunction reports, makes inspections and from observation, determines whether equipment is operating properly. Operates power plant auxiliary systems such as HVAC systems, lighting systems, telephone and radio communication systems, station battery, etc. Performs maintenance of equipment.

Specific duties include:

- Communicate with systems operators to regulate and coordinate transmission loads and frequencies, and line voltages.
- Examine and test electrical power distribution machinery and equipment, using testing devices.
- Inspect records and log book entries, and communicate with other plant personnel, in order to assess equipment operating status.
- Receive outage calls and call in necessary personnel during power outages and emergencies.

Education and Qualifications:

- As associate or bachelor's degree in the sciences preferably electrical or chemical sciences.
- 2 – 3 years journey level experience
- Must have highly developed observation skills to anticipate and detect operational anomalies
- Excellent interpersonal skills to work with a team, as well as verbal and written communication skills in English

Physical Effort: This position requires extensive walking, standing, and climbing vertical and inclined ladders and stairs; and stooping, bending, kneeling and crawling. The ability to frequently lift objects weighing in excess of 45 pounds. Must be able to hear the conversational voice, with or without a hearing aid.

Working Conditions: Work is principally indoors in a well heated, lighted and ventilated environment, but occasional outdoor work exposes employee to usual climate extremes. May work in proximity to high voltages and currents. May be required to wear safety equipment such as hard-hats and ear plugs.