



Job Title: Plant Operator

Reports to: Operations Manager

Location: Piedmont Green Power

Job Responsibilities:

The Plant Operator is responsible for the safe and efficient management of the fuel supply at the Piedmont facility, a 60 MW biomass, fluidized bubbling bed combustion system with a steam turbine, including a generator set, air pollution control system including SNCR, baghouse, power plant auxiliary equipment and fuel handling equipment. Specific responsibilities and duties include:

- Operates, maintains and repairs fluidized bubbling bed combustor, steam generators, steam turbines, electrical generators, air compressors, motors, pumps, compressors, electrical switchgear, loaders, ash and fuel handling systems, bulldozers and small utility equipment.
- Records data such as temperature of equipment, hours of operation, fuel consumption, temperature or pressure, water level, analysis of flue gases, voltage load, and generator balance.
- Uses prescribed plant operations procedures to adjust manual control or override automatic controls to bring equipment into recommended or prescribed operating range.
- Operates the plant equipment in a safe manner through the use of plant operations procedures as directed by the Control Room Operator.
- Performs routine plant rounds and record keeping.
- Performs scheduled, unscheduled, and preventative maintenance tasks.
- Performs all aspects of water test and treatments.
- Performs ash-handling duties.
- Complies with company plant safety and regulatory procedures.
- Primarily outside plant environment.
- Routinely works rotating shift schedule.
- Available for call-out duty, weekend work and overtime.
- Exposure to extreme environmental conditions, hazardous materials, heights, high noise levels and confined spaces.
- Outdoor weather conditions: heat, cold, wind, rain, snow, mud, ice and dust.
- Ability to pass the standard company physical exam.
- Possess and maintain a valid driver's license and operate company vehicles.
- For safety reasons, must be able to communicate both audibly and visually.

Education:

High school diploma

Requirements:

- Valid driver's license
- Two to four years related experience and/or training or equivalent combination of education and experience in a cogeneration plant.
- Ability to read and interpret documentation such as technical manuals, piping and instrumentation diagrams, electrical one-line diagrams, operating and maintenance manuals.
- Ability to write routine reports and correspondence.
- Ability to speak effectively to employees and contractors.
- Ability to add, subtract, multiply and divide in all units of measure, using whole numbers, common fractions, and decimals.
- Ability to solve practical problems and deal with a variety of concrete variables.
- Computer literate.

Physical Requirements

- Ability to hear and use close range radios
- Ability to lift, push, pull, and carry items up to 50 lbs.
- Ability to reach with hands and arms above shoulder level and at shoulder level
- Ability to walk, stand, stoop, kneel, and bend for prolonged periods of time
- Able to grip and manually manipulate, often with repetitive motion, items such as, but not limited to, hand tools and machine parts
- Strong field of vision including visual depth perception and ability to distinguish colors
- Ability to climb ladders up to 75' high and stairs to perform assigned tasks.
- Ability to raise or lower objects from one level to another regularly during the shift
- Comfortable working in confined spaces and at heights of over 300'
- Ability to work in demanding physical and inclement weather conditions