

# Fluidized Bed Plant Operating Engineer

## Third Class

### Qualifications

Minimum age - 19

Education - High School Diploma, GED or equivalent or plant operations training.

Experience - Two years or One year time in grade as a Facility Operating.

Engineer 2<sup>nd</sup> class may be used for the 2 years experience for Power Plant Operating Engineer 3<sup>rd</sup> class

Examination - Written (Oral or Practical when necessary)

Maximum Prime Mover Horsepower (Unsupervised) - 1500

Maximum Boiler Size (Unsupervised) HP - 400 BHP / LP - Unlimited BHP

Maximum Refrigeration or Air Conditioning (Unsupervised) - 600 ton

### Curriculum at the Minimum:

- Power Plant Safety
- Power Plant Basic Steam Generator Construction
- Types of Steam Generators
- Fluidized Bed Steam Generators
- Power Plant Basic Steam Generator Water Chemistry
- Power Plant Basic Condensate and Feedwater Treatment and Equipment
- Power Plant Basic Steam Generator Combustion Air and Flue Gas System and Equipment
- Power Plant Basic Steam Generator Fuel
- Power Plant Basic Steam Generator Fittings and Accessories and Equipment
- Power Plant Basic Instrumentation
- Power Plant Compressed Air System
- Power Plant Basic Combustion and Combustion Equipment and Equipment
- Power Plant Basic Steam System to Steam Accessories
- Power Plant Basic Electricity
- Power Plant Basic Math-Science
- Power Plant Basic Steam Turbine Construction
- Power Plant Basic Condenser and Circulating Water System and Equipment
- Power Plant Basic Air Conditioning
- Power Plant Basic Environmental Equipment