

# **Power Plant Operating Engineer Chief**

## **Qualifications**

Minimum age - Adult

Education - High School Diploma / GED or equivalent

Experience - Five years

Examination - Written (Oral or Practical when necessary)

Minimum time in previous grade – One year

Prime Mover Horsepower (unsupervised) - Unlimited

Maximum Boiler Size (unsupervised) HP - Unlimited BHP - LP - Unlimited BHP

Refrigeration or Air Conditioning (unsupervised) –Unlimited tons

## **Curriculum at the Minimum:**

- Power Plant Safety
- Power Plant Steam Generator Construction and Types
- Power Plant Water Chemistry
- Power Plant Condensate and Feedwater Treatment and Equipment
- Power Plant Steam Generator Combustion Air and Flue Gas System and Equipment
- Power Plant Steam Generator Fuel System and Equipment
- Power Plant Water-Steam Heating System and Equipment
- Power Plant Steam Generator Fittings and Accessories
- Power Plant Instrumentation
- Power Plant Compressed Air System and Equipment
- Power Plant Combustion and Combustion Equipment
- Power Plant Electricity
- Power Plant Math-Science
- Power Plant Turbine Construction and Associated Equipment
- Power Plant Condenser and Circulating Water System and Equipment
- Power Plant Extraction Steam and Heaters and Associated Equipment
- Power Plant Air Conditioning / Refrigeration
- Power Plant Environmental Equipment
- Power Plant Combustion Byproduct Disposal and Removal
- Power Plant Backflow Prevention
- Emergency Diesel Systems and Associated Equipment
- Power Plant Personnel Management
- Power Plant Computer Management
- Power Plant Preventative Maintenance
- Power Plant Steam Generator Inspection
- Power Plant Boiler Testing