

STATIONARY ENGINEER

KIND OF WORK

Shift supervision in a high pressure steam heating or electric plant.

NATURE AND PURPOSE

An employee in this class is responsible for supervising the operation, maintenance and repair of a high pressure steam heating or electric generating plant on an assigned shift. Work involves responsibility for proper maintenance of steam pressure and electric power production and may extend to supervising the work of other employees.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Supervises the operation and maintenance of steam engines, boilers, blowers, pumps, electric generators and other equipment on an assigned shift.

Checks water level in boilers and maintains feed pumps.

Checks vacuum pumps for proper condensation.

Reads electrical meters, flow meters and boiler feed meters to determine steam production and electric generation.

Operates and fills stokers.

Cleans fires and hauls ashes.

Tests boiler water for hardness and concentration.

Makes minor repairs to engines and equipment and assists Chief Power Plant Engineer in making major repairs.

Repaired ventilation, plumbing, heating, electrical and refrigeration systems as necessary.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Thorough knowledge of the principles and practices involved in the operation and maintenance of high pressure boilers, furnaces, mechanical systems and other equipment of a steam heating or electric plant.

Considerable knowledge of the principles involved in the generation of electric power.

Some knowledge of safety measures and practices.

Ability to:

Repair boilers, furnaces, steam pumps, electric generating equipment and other equipment.

Read meters recording steam and electric production.

Understand and carry out written and oral instructions.

Supervise the work of other employees.

LEGAL/LICENSURE REQUIREMENTS

Possession of a valid steam engineer's license of the class required by law for the size of plant and work situations involved.

Est.: 3/41
Rev.: 5/65, 11/77
Ckd.: 12/92

T.C.: 6/45, 9/51, 7/61
Former Title(s):
Steam Electric Operating Engineer
Heating Engineer
Steam Operating Engineer I
General Steam Electric Operating Engineer