

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

STATIONARY ENGINEER

POSITION CODE: 42600

Effective: 12-1-75

DISTINGUISHING FEATURES OF WORK:

Under direct supervision, operates and maintains powerhouse equipment on an assigned shift; may supervise other employees in the power plant on the same shift; may perform maintenance tasks in other buildings in small institutions.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Directs the work of firemen and powerhouse workers in the installations, alteration, repair, maintenance and operation of boilers, furnaces and auxiliary equipment such as stokers, blowers, flow meters, pumps, compressors, generators and turbines.
2. Makes rounds of powerhouse at regular intervals; reads gauges; adjusts equipment; observes the operation of all machinery.
3. Watches power consumption meters; starts, synchronizes, switches and stops generators or turbines as indicated.
4. Keeps powerhouse log recording gauge readings, fuel consumed, power generated, maintenance work performed and similar data.
5. Makes and records tests of water used for domestic consumption or generating steam; adds chlorine or other purifying or water softening chemicals as required.
6. Performs other duties as required or assigned which are reasonably within the scope of the duties enumerated above.

DESIRABLE REQUIREMENTS:

Education and Experience

Requires knowledge, skill and mental development equivalent to completion of eight years elementary school.

Requires four years experience in power plant operation and in firing high pressure stationary boilers.

Knowledges, Skills and Abilities

Requires working knowledge of the principles, practices and techniques used in the operation of high pressure coal, gas or oil fired boilers and their auxiliaries.

Requires elementary knowledge of the operation of electrical generating equipment.

Requires ability to supervise and direct the work of employees and inmate or patient labor engaged in power plant operation.

Requires ability to keep simple records.

Requires skill in the control and regulation of high pressure boilers.

Requires skill in the use of tools and equipment used in maintaining powerhouse equipment.

Requires ability to observe and judge the operating efficiency of power generating and allied machinery.