

BOILER INSPECTOR 2

KIND OF WORK

Difficult work in the field inspection and inspection of the manufacture of boiler or pressure vessels.

NATURE AND PURPOSE

Employees in this class are responsible for inspecting steam boiler and pressure vessel installations in an assigned area for restricting operations and condemning equipment as necessary. An employee in this class is also responsible for inspection of boiler and pressure vessels during their manufacture to assure that materials and design are consistent with the National Board of Inspection Code.

Work is subject to review by the Chief Boiler Inspector and decisions may be appealed to the chief and the department head.

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

Makes shop inspections of manufacturers of boilers or pressure vessels approving or condemning the boilers or pressure vessels manufactured.

Verifies the identification of plate material used in boiler or pressure vessel construction by the checking of manufacturers' numbers on plates with numbers given on mill test reports.

Checks the reaming or drilling and rivet whole size, and the length of rivets to assure that operations and materials conform to code requirements.

Assures that all plates are properly identified before being used.

Inspects steam boilers, air compressors, refrigerant tanks, digesters, steam kettles and similar pressure vessels for defects, unsafe operation or violation of laws and regulations.

Tests pressure gauges, checks safety devices and calculates safe working pressures.

Determines the proper size of steel plates to be used in the manufacture and patching.

Determines the efficiency of welded joints.

Completes standard inspection report forms recommending issuance of a license or changes to be made.

Restricts operations or condemns equipment when warranted by the inspection.

Checks plant conditions from an operation viewpoint and suggests equipment improvements and operational changes.

Receives applications for certain classes of operating engineers and boat pilot's licenses, supplies accurate information pertaining to boiler license procedure and law, conducts examinations for licenses, collects application fees and maintains collection records.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED (Those asterisked are also essential at entry and are to be used in development of selection criteria.)

Knowledge of:

*Considerable knowledge of the Code of the National Board of Boiler Inspectors and its application to the manufacture of boilers and pressure vessels.

*Considerable knowledge of the approved methods of installations, manufacture operations and maintenance of all types of steam boilers and pressure vessels.

Ability to:

*Ability to inspect material, design and the quality of manufacture for conformity with the National Board Inspection Code.

*Ability to maintain effective working relationships with manufacturers, owners and operating engineers.

NECESSARY SPECIAL QUALIFICATIONS

Possession of a Chief Engineer's license.

Possession of a Commission from the National Board of Boiler Inspectors to make shop inspections of manufacturers of boilers or pressure vessels.

Est.: 1/1/58
Chkd: 8/11/69
Rev.: 6/78

TC:
Former Title(s):