

BOILER INSPECTOR 1

KIND OF WORK

Inspection of boilers and pressure vessels.

NATURE AND PURPOSE

An employee in this class is responsible for inspecting boilers and pressure vessel installations in an assigned area, for restricting operations and condemning equipment as necessary, and for examining applicants for licensing as operating engineers or boat pilots. Reports, recommendations, and restrictive or condemnation orders are 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.)

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

Makes hammer and hydrostatic tests.

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

Determines the proper size of steel plates to be used for patching.

Computes the proper pitch and size of rivets and stay bolts.

Determines the efficiency of welded joints.

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

Supplies equipment, installation, or operational information upon operator's request.

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.

Supplies accurate information pertaining to boiler license procedure and law.

Receives renewal applications for all classes of operating engineer's and boat pilot's licenses and conducts examinations for a certain class of licenses.

Collects application fees and maintains collection record.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Considerable knowledge of the approved methods of installation, operation, and maintenance and repair of all types of boilers and pressure vessels.

Considerable knowledge of the laws, rules, and regulations pertaining to the operation of boilers and pressure vessels.

Ability to:

Ability to conduct examinations for operating engineer's and boat pilot's licenses.

Ability to establish and maintain effective relationships with owners and operating engineers.

NECESSARY SPECIAL QUALIFICATIONS

Possession of a high pressure chief engineer's license.

Est.: 1/5/58, 6/80

Chkd: 8/11/69

Abolished: 1978

Rev.:

TC:

Former Title(s):