

Kansas Administrative Regulations

Department of Labor

Article 50.—General Requirements for All Boilers

49-50-9. Notification of inspection requirements.

(a) A certificate inspection shall be carried out before the expiration date of the certificate. Each owner or user shall ensure that the boiler or pressure vessel is inspected on or before the date on which the inspection is due. Internal certificate inspections shall be scheduled in advance by the inspector. External inspections may be performed by the inspector during normal business hours without prior notification to the owner or user.

(b) An internal inspection, appropriate pressure test, or both may be requested by the inspector when an external inspection or determination by other objective means indicates that continued operation of the boiler constitutes a menace to public safety. In these instances, the owner or user shall prepare the boiler for the inspections, tests, or both as the inspector designates.

(c) All boilers and pressure vessels that are not exempted by the act and that are subject to regular inspections shall be prepared for inspection as required in subsection (d).

(d) The owner or user shall prepare each boiler for inspection. The owner or user shall prepare for and apply a hydrostatic pressure test on the date arranged by the inspector. The date shall not be fewer than seven days after the date of notification. The owner or user shall prepare a boiler for internal inspection in the following manner:

(1) Water shall be drawn off, and the boiler shall be washed thoroughly.

(2) The manhole and handhole plates, washout plugs, and inspection plugs in water column connections shall be removed as required by the inspector. The furnace and combustion chambers shall be cooled and thoroughly cleaned.

(3) All grates of internally fired boilers shall be removed.

(4) The insulation or brickwork shall be removed as required by the inspector in order to determine the condition of the boiler, headers, furnace, supports, or other parts.

(5) The pressure gauge shall be removed for testing, as required by the inspector.

(6) The leakage of steam or hot water into the boiler shall be prevented by disconnecting the pipe or valve at the most convenient point or by any other appropriate means approved by the inspector.

(7) The nonreturn and steam stop valves shall be closed, tagged, and preferably padlocked, and the valves drained or the cocks between the two valves opened. Before opening the manhole or handhole covers and entering any part of the steam-generating unit connected to a common header with other boilers, the feed valves shall be closed, tagged, and preferably padlocked, and the valves drained or the cocks located between the two valves opened. After draining the boiler, the blowoff valves shall be closed, tagged and preferably padlocked. Blowoff lines, where practicable, shall be disconnected between pressure parts and valves. All drains and vent lines shall be opened.

(e) If a boiler has not been properly prepared for an internal inspection or if the owner or user has failed to comply with the requirements for a pressure test as specified in these regulations, the inspection or test may be postponed, and the inspection certificate shall be withheld or the right to operate revoked until the owner or user complies with the requirements.

(f) If the boiler is jacketed so that the longitudinal seams of shells, drums, or domes cannot be seen, sufficient jacketing, setting wall, or other form of casting or housing shall be removed to permit reasonable inspection of the seams and other areas necessary to determine the condition and safety of the boiler, if this information cannot be determined by other means.

(g) If a lapseam crack is discovered along a longitudinal riveted joint in the shell or drum of a boiler, the use of that shell or drum shall be immediately discontinued. Patching shall be prohibited.

(h) All lock-out, tag-out, and confined space entry procedures shall be observed.
(Authorized by K.S.A. 44-916; implementing K.S.A. 44-916 and 44-923; effective May 1, 1987; amended April 28, 2000; amended Nov. 3, 2006.)