



January 1, 2007

Boiler inspection frequency rules

Purpose of the rules:

These rules, which will be implemented in phases, adjust the inspection frequencies of certain boilers and pressure vessels based on life/safety criteria.

Effect of the rules:Phase one

Effective March 1, 2007, the new rules require internal inspections of hot water supply and hot water heating boilers every six years, instead of every two years. External inspections of these boilers will remain on a two-year interval.

Phase two

Effective September 1, 2007, air tanks, not located in places of public assembly, less than 20 cubic feet in volume, and operated at gauge pressures of less than 200 pounds per square inch must be inspected externally every six years, rather than every five years.

Citation:

Amending OAR 918-225-0570.

Contact:

If you have questions or need further information, please contact Mike Graham, Chief Boiler Inspector, at mike.d.graham@state.or.us, or 503-559-0843.



**DIVISION 225
BOILERS AND PRESSURE VESSELS**

Subpart C – Timing of Inspections

OAR 918-225-0570

Boiler and Pressure Vessel Inspection Schedules

Unless the division grants special permission, all inspectors must comply with the following minimum inspection schedule:

- (1) Power boilers must be inspected:
 - (a) Internally- every year, when physical construction of the boiler allows; and
 - (b) Externally - every year, while under pressure.
- (2) Cast iron boilers must be inspected externally- every two years, while under pressure.
- (3) Low pressure steam boilers must be inspected:
 - (a) Internally- every two years, when physical construction of the boiler allows; and
 - (b) Externally- every two years, while under pressure.
- (4) Prior to March 1, 2007, hot water heating and hot water supply boilers must be inspected:
 - (a) Internally- every two years, when physical construction of the boiler allows; and
 - (b) Externally- every two years, while under pressure.
- (5) Effective March 1, 2007, hot water heating and hot water supply boilers must be inspected:
 - (a) Internally- every six years, when physical construction of the boiler allows; and
 - (b) Externally- every two years, while under pressure.
- (6) Pressure vessels containing anhydrous ammonia intended for use, as fertilizer must be inspected externally every three years.
- (7) Prior to September 1, 2007, fixed vessels, containing only air, not located at a place of public assembly, not exceeding 20 cubic feet in volume, and operated at gauge pressures of not more than 200 pounds per square inch must be inspected:
 - (a) Internally- subject to section (12) of this rule; and
 - (b) Externally- every five years.
- (8) Effective September 1, 2007, fixed vessels, containing only air, not located at a place of public assembly, not exceeding 20 cubic feet in volume, and operated at gauge pressures of not more than 200 pounds per square inch must be inspected:
 - (a) Internally- subject to section (12) of this rule; and
 - (b) Externally- every six years.
- (9) Pressure vessels, not classified in sections (6), (7) and (8) of this rule, and subject to internal corrosion or erosion must be inspected:
 - (a) Internally- every two years, subject to section (12) of this rule; and (b) Externally- every two years.
- (10) Unfired pressure vessels, not classified in sections (6), (7) and (8) of this rule, and not subject to internal corrosion must be inspected externally- every two years.
- (11) Pressure piping systems containing refrigerants, steam or pressurized condensate: Inspection during fabrication, installation, repair or alteration for verification of compliance with material, welding, brazing

and structural support requirements. The inspector may require other tests to verify quality of weldments. This rule does not apply to welded repair of pressure piping under OAR 918-225-0720.

(12) The inspector may waive an internal inspection, under sections (7), (8) and (9) of this rule if the inspector believes from alternate inspection methods an internal inspection is not necessary to verify the safe condition of the vessel.

(13) An inspector may require additional internal or external inspections, or tests, other than those required in this rule, if the inspector has reason to believe that the boiler or pressure vessel does not meet minimum safety standards.

(14) Failure to comply with sections (1) through (13) of this rule may cause inspections to be performed by a deputy inspector per ORS 480.570(5) as directed by the chief inspector.

Stat. Auth.: ORS 480.545, 480.550, 480.560

Stats. Implemented: ORS 480.545, 480.550, 480.560

Hist.: DC 17, f. 7-31-72, ef. 8-15-72; DC 12-1980, f. & ef. 9-12-80; BCA 1-1987, f. & ef. 7-1-87; Renumbered from 814-025-0075; BCA 22-1992(Temp), f. 12-15-92, cert. ef. 1-1-93; BCA 4-1993, f. & cert. ef. 4-5-93; BCA 36-1993, f. 12-30-93, cert. ef. 1-1-94; Renumbered from 918-225-0175; BCD 18-1996, f. & cert. ef. 9-17-96; BCD 18-1997, f. 12-3-97, cert. ef. 1-1-98; BCD 36-2000, f. 12-29-00, cert. ef. 1-1-01