

### **89.3 Inspection made.**

1. It shall be the duty of the commissioner, to inspect or cause to be inspected internally and externally, at least once every twelve months, except as otherwise provided in this section, in order to determine whether all such equipment is in a safe and satisfactory condition, and properly constructed and maintained for the purpose for which it is used, all boilers and unfired steam pressure vessels operating in excess of fifteen pounds per square inch, all low pressure heating boilers and unfired steam pressure vessels located in places of public assembly and other appurtenances used in this state for generating or transmitting steam for power, or for using steam under pressure for heating or steaming purposes.
2. The commissioner may enter any building or structure, public or private, for the purpose of inspecting any equipment covered by this chapter or gathering information with reference thereto.
3. The commissioner may inspect boilers and tanks and other equipment stamped with the American society of mechanical engineers code symbol for other than steam pressure, manufactured in Iowa, when requested by the manufacturer.
4. Each boiler of one hundred thousand pounds per hour or more capacity, unfired steam pressure vessel or regulated appurtenance used or proposed to be used within this state, which contains only water subject to internal continuous water treatment under the direct supervision of a graduate engineer or chemist, or one having equivalent experience in the treatment of boiler water where the water treatment is for the purpose of controlling and limiting serious corrosion and other deteriorating factors, and with respect to which vessel the commissioner has determined that the owner or user has complied with the recordkeeping requirements prescribed in this chapter, shall be inspected at least once every two years internally and externally while not under pressure, and at least once every two years externally while under pressure. At any time a hydrostatic test is deemed necessary to determine the safety of a vessel, the tests shall be conducted by the owner or user of the equipment under the supervision of the commissioner.
5. The owner or user of a boiler of one hundred thousand pounds per hour or more capacity, unfired steam pressure vessel or regulated appurtenance desiring to qualify for biennial inspection shall keep available for examination by the commissioner accurate records showing the date and actual time the vessel is out of service and the reason it is out of service, and the chemical physical laboratory analyses of samples of the vessel water taken at regular intervals of not more than forty-eight hours of operation as will adequately show the condition of the water and any elements or characteristics of the water which are capable of producing corrosion or other deterioration of the vessel or its parts.
6. Internal inspections of cast aluminum steam, cast aluminum hot water heating, sectional cast iron steam, and cast iron hot water heating boilers shall be conducted only as deemed necessary by the commissioner. External operating inspections shall be conducted annually.
7. Internal inspections of steel hot water boilers shall be conducted once every six years. External operating inspections shall be conducted annually.
8. Internal inspections of unfired steam pressure vessels operating in excess of fifteen pounds per square inch shall be conducted once every two years. External inspections shall be conducted annually. An internal inspection of an unfired steam pressure vessel may be required at any time by the commissioner upon the observation by an inspector of conditions, enumerated by the commissioner through rules, warranting an internal inspection.
9. All power boilers that are converted to low pressure boilers shall have a fifteen pound safety valve installed and be approved by the commissioner no later than thirty days after the expiration date of the certificate for the boiler.

10. An exhibition boiler does not require an annual inspection certificate but special inspections may be requested by the owner or an event's management to be performed by the commissioner. Upon the completion of an exhibition boiler inspection a written condition report shall be prepared by the commissioner regarding the condition of the exhibition boiler's boiler or pressure vessel. This report will be issued to the owner and the management of all events at which the exhibition boiler is to be operated. The event's management is responsible for the decision on whether the exhibition boiler should be operated and shall inform the division of labor of the event's management's decision. The event's management is responsible for any injuries which result from the operation of any exhibition boiler approved for use at the event by the event's management. A repair symbol, known as the "R" stamp, is not required for repairs made to exhibition boilers pursuant to the rules regarding inspections and repair of exhibition boilers as adopted by the commissioner, pursuant to chapter 17A.

11. An inspection report created pursuant to this chapter that requires modification, alteration, or change shall be in writing and shall cite the state law or rule or the ASME code section allegedly violated.

[C46, 50, 54, 58, 62, 66, 71, 73, 75, 77, § 89.2; C79, 81, § 89.3]

85 Acts, ch 105, §1; 89 Acts, ch 321, § 27; 97 Acts, ch 27, § 1; 2004 Acts, ch 1107, §3, 30; 2007 Acts, ch 135, §13