

875—90.6 (89) Inspections.

90.6(1) *General.* All boilers and unfired steam pressure vessels covered by Iowa Code chapter 89 shall be inspected according to the requirements of the National Board Inspection Code (2007 with 2008 addenda), which is hereby adopted by reference. A division inspector or special inspector must perform the inspections.

90.6(2) *Schedule.* Inspections must be performed according to the schedule set forth in Iowa Code section 89.3 and within a 60-day period prior to the expiration date of the operating certificate. Modification of this period will be permitted only upon written application showing just cause for waiver of the 60-day period. Special inspections may be conducted at any time mutually agreed to by the division and the object's owner or user.

90.6(3) *Inspections conducted by special inspectors.* Special inspectors shall provide copies of the completed report to the insured and to the division within 30 days of the inspection. The reports shall list all adverse conditions and all requirements, if any. If the special inspector has not notified the division of the inspection results within 30 days of the expiration of an operating certificate, the division may conduct the inspection.

90.6(4) *Type of inspection.* The inspection shall be an internal inspection when required; otherwise, it shall be as complete an external inspection as possible. Conditions including, but not limited to, the following may also be the basis for an internal inspection:

- a. Visible metal or insulation discoloration due to excessive heat.
- b. Visible distortion of any part of the pressure vessel.
- c. Visible leakage from any pressure-containing boundary.
- d. Any operating records or verbal reports of a vessel being subjected to pressure above the nameplate rating or to a temperature above or below the nameplate design temperature.
- e. A suspected or known history of internal corrosion or erosion.
- f. Evidence or knowledge of a vessel having been subjected to external heat from a resulting fire.
- g. A welded repair not documented as required.
- h. Personal injury, property damage accident, or malfunction affecting the pressure vessel's integrity.

90.6(5) *Internal inspections for unfired steam pressure vessels operating at more than 15 pounds per square inch.* The commissioner may require an internal inspection of an unfired steam pressure vessel operating in excess of 15 psi when an inspector observes any deviation from these rules, Iowa Code chapter 89, the construction code, the installation code, or the National Board Inspection Code.

90.6(6) *Inspection of inaccessible parts.* When, in the opinion of the inspector, as a result of conditions disclosed at the time of inspection, it is advisable to remove the interior or exterior lining, covering, or brickwork to expose certain parts of the vessel not normally visible, the owner or user shall remove such material to permit proper inspection and thickness measurement of any part of the vessel. Nondestructive examination is acceptable.

90.6(7) *Imminent danger.* If the labor commissioner determines that continued operation of an object constitutes an imminent danger that could seriously injure or cause death to any person, notice to immediately cease operation of that object shall be posted by the labor commissioner. Upon such notice, the owner shall immediately begin the necessary steps to cease operation of the object. The object shall not be used until the necessary repairs have been completed and the object has passed inspection. Operation of an object in violation of this subrule may result in further legal action pursuant to Iowa Code sections 89.11 and 89.13.