

INDUSTRIAL COMMISSION

10a

(2) Any boiler or pressure vessel confirmed by the department of industry, labor and human relations to be unsafe for further use shall be stamped as follows:

**"CONDEMNED"**

**"Arrowhead Stamp x Wisconsin x Arrowhead Stamp"**

Letters shall be at least  $\frac{3}{8}$ " high and arrowheads shall be  $\frac{1}{2}$ " wide.

(3) It shall be unlawful for any person, firm, partnership or corporation to use, operate, or offer for sale for operation within the state any condemned boiler or pressure vessel.

**History:** Cr. Register, October, 1970, No. 178, eff. 11-1-70.

**PART V**

**NEW INSTALLATIONS**

**ORIGINAL CONSTRUCTION**

Ind 41.50 A.S.M.E. code vessels. (1) Except as regulated in Wis. Adm. Code sections Ind 41.51, 41.52 and 41.53, boilers and unfired pressure vessels installed after April 1, 1966, shall be constructed

and installed in accordance with the following sections of the A.S.M.E. Boiler and Pressure Vessel Code:

(a) Section I	Power Boilers.....	1965 Edition	As Amended to July 1, 1965
(b) Section II	Material Specifications.....	"	"
(c) Section III	Nuclear Vessels.....	"	"
(d) Section IV	Low Pressure Heating Boilers.....	"	"
(e) Section VIII	Unfired Pressure Vessels.....	"	"
(f) Section IX	Welding Qualifications.....	"	"
(g)	A.S.M.E. Code Cases.....	"	"

*Note 1.* Copies of the above publication are available for inspection at the office of the industrial commission, secretary of state's office, and the office of the revisor of statutes, or they may be procured for personal use from the American Society of Mechanical Engineers, United Engineering Center, 345 East 47th Street, New York, New York 10017.

*Note 2.* Because the A.S.M.E. references are subject to revision and amendment, this section of the code will be amended at intervals. It is recommended that holders of this code subscribe to the upkeep service available from the Department of Administration, Document Sales and Distribution, Room B 237, State Office Building, 1 West Wilson Street, Madison, Wisconsin 53702.

*Note 3.* Section VII, "Suggested Rules for Care of Boilers" is recommended as a guide for boiler owners and operators.

**History:** Cr. Register, April, 1961, No. 64, eff. 5-1-61; r. and recr. Register, December, 1962, No. 84, eff. 1-1-63; am. Register, August, 1964, No. 104, eff. 9-1-64; am. Register, January, 1966, No. 121, eff. 2-1-66; am. Register, March, 1966, No. 123, eff. 4-1-66.

**Ind 41.51 Wisconsin special vessels.** (1) Where it is not possible or practical to construct a boiler or unfired pressure vessel in strict compliance with the A.S.M.E. codes listed in section Ind 41.50, the industrial commission may grant a modification to the owner or user to permit the installation of the vessel as a Wisconsin special within the state of Wisconsin under the following conditions:

(a) When the method of designing or constructing the vessel is not covered by the A.S.M.E. codes, the commission may approve the installation of the vessel if adequate proof of comparable safety of the design or construction is shown.

1. Complete plans, calculations, and specifications in duplicate shall be submitted to and approved by the commission before the vessel is installed.

2. The vessel shall be stamped "Wisconsin Special".

3. All other applicable requirements of the A.S.M.E. codes listed in section Ind 41.50 shall be met.

(b) When the vessel is to be built by an owner for his own use, the commission may waive the stamping required by the A.S.M.E. codes listed in section Ind 41.50.

1. Complete plans, calculations, and specifications in duplicate shall be submitted to and approved by the commission before the vessel is installed.

2. The vessel shall be stamped "Wisconsin Special".

3. All other applicable requirements of the A.S.M.E. codes listed in section Ind 41.50 shall be met.

(c) When a small number of vessels is to be built by a manufacturer, the commission may waive the stamping required by the A.S.M.E. codes listed in section Ind 41.50.

1. Complete plans, calculations, and specifications in duplicate shall be submitted to and approved by the commission before the vessel is installed.

2. The vessel shall be stamped "Wisconsin Special".

3. All other applicable requirements of the A.S.M.E. codes listed in section Ind 41.50 shall be met.

(2) The provisions of this section shall not apply to Wisconsin special vessels accepted by the industrial commission before the effective date of this section.

**History:** Cr. Register, April, 1961, No. 64, eff. 5-1-61.

**Ind 41.52 Interstate commerce commission vessels.** (1) Unfired pressure vessels carrying the stamping of the I.C.C. will be considered comparable to a vessel meeting the requirements of section Ind 41.50. When such vessels are used in the state of Wisconsin, it shall be the responsibility of the owner of the vessels to have the construction records of the vessels available for inspection by the industrial commission.

**History:** Cr. Register, April, 1961, No. 64, eff. 5-1-61.

**Ind 41.53 Non-Code vessels.** (1) The following vessels will only be required to meet the pressure-relief device requirements of the A.S.M.E. codes listed in section Ind 41.50.

(a) Water heating apparatus, such as range boilers or tanks having a self-contained gas, oil, or electric heating unit used exclusively for hot water service provided such apparatus carries a seal of approval from a testing agency recognized nationally and by the commission. The term "hot water service" shall be construed to mean a system in which the hot water is used for general cleaning purposes as in the bath, the laundry, and in the kitchen.

1. This exception shall not apply when the apparatus is used as a hot water heating boiler.

(b) Vessels for containing water under pressure for domestic supply including those having an air space for expansion.

(c) Hot water storage tanks, when heated indirectly by circulating either steam at or below 15 psig, or by hot water at or below 30 psig through a coil or heat exchanger, and the storage water temperature does not exceed 200 F.

(d) Pressure vessels used for water conditioning and filtration.

(e) The vessels listed in paragraphs (b), (c) and (d) of this section shall be identified by stamping showing the manufacturer's name, a serial number, the allowable working pressure, and the year fabricated.

**History:** Cr. Register, April, 1961, No. 64, eff. 5-1-61.

**Ind 41.54 Low water fuel cut-off for hot water heating boilers.** Every automatically fired hot water heating boiler installed after the effective date of this section with a heat input of more than 200,000 Btu per hour shall be provided with an automatic low-water fuel cut-off so located as to automatically cut off the fuel supply when the surface of the water falls to the lowest safe water line. The lowest safe water line shall be at or above the height required on a corresponding steam boiler.

**History:** Cr. Register, April, 1961, No. 64, eff. 5-1-61.