

(1) The boiler and pressure vessel inspectors employed by the insurance company shall hold certificates of competency issued by the industrial commission.

(2) The insurance company shall report inspections of boilers and unfired pressure vessels to the industrial commission as required in section Ind 41.26.

(3) The inspection procedures used by the insurance company shall conform to the regulations of this code.

(4) The insurance company shall report to the industrial commission within 30 days when insurance coverage is started or discontinued on a boiler or unfired pressure vessel. The reason for discontinuing the coverage shall be given on the report.

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

**Ind 41.24 Inspections by cities.** Periodic inspections of boiler and unfired pressure vessels by cities of the first class may be accepted by the industrial commission under the following conditions:

(1) The boiler and pressure vessel inspectors employed by the city shall hold certificates of competency issued by the industrial commission.

(2) The city shall keep a record of such periodic inspections.

(3) The inspection procedures used by the city shall conform to the regulations of this code.

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

**Ind 41.25 Companies or corporations allowed to make inspections.** Periodic inspections by companies or corporations of boilers or unfired pressure vessels which they own or operate may be accepted by the industrial commission under the following conditions:

(1) The boiler and pressure vessel inspectors employed by the company or corporation shall hold certificates of competency issued by the industrial commission.

(2) The company or corporation shall report inspections of boilers and unfired pressure vessels to the industrial commission as required in section Ind 41.26.

(3) The inspection procedures used by the company or corporation shall conform to the regulations of this code.

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

**Ind 41.26 Reporting of inspections.** (1) Reports of periodic internal inspections shall be sent to the industrial commission within 30 days from the date of the inspection.

(2) External inspections shall be reported only when either of the following conditions is found:

(a) An internal inspection is not possible because of the construction of the vessel. In such cases the first inspection shall be reported to the commission in the same manner as an internal inspection. The report shall be marked "external" and the reason for making an external inspection instead of an internal shall be given.

(b) When violations of this code or unsafe conditions involving the safety of the vessel are found. This report shall be made on A.S.M.E. Form P-6 and shall explain the violation or unsafe condition with references to code section numbers. A copy of the recommendations to the owner or user of the vessel shall accompany the report to the commission.

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

**Ind 41.27 Inspection report forms.** (1) **FIRST INTERNAL INSPECTION.** The first internal inspection (or external if internal is not possible) of a boiler or pressure vessel which conforms to the A.S.M.E. Code shall be reported on A.S.M.E. Form P-6. If the boiler or pressure vessel does not conform to the A.S.M.E. Code Form P-5 shall be used. The first inspection report shall be as complete as possible and shall contain the maximum allowable working pressure, number of safety valves and their settings and capacities, and the known violations of this code.

(2) **SUBSEQUENT INSPECTIONS.** After the report of the first internal or external inspection has been sent to the commission, the subsequent reports may be copies of the report of inspection made to the owner or user of the vessel. Such reports shall show the location identifying number or description, safe working pressure, and safety or relief valve setting of the boiler or unfired pressure vessel. Such report shall give recommendations for correction of known violations of this code.

(3) **MULTIPLE VESSELS ON A SINGLE REPORT.** A group of unfired pressure vessels of the same design and use that are interconnected or are operated so as to form a unit, machine, or apparatus may be included in a single report. The report shall contain the number, description, and use of the vessels.

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

**Ind 41.28 Inspection certificates.** (1) After each periodic internal inspection, the city, insurance company, or company or corporation shall issue an inspection certificate to the owner or user of the boiler or unfired pressure vessel.

(2) The inspection certificate shall give the maximum allowable working pressure for the vessel. Such pressure shall be determined using the regulations of the code.

(3) The inspection certificate shall be valid until the next required periodic inspection.

(4) The inspection certificate shall be kept on file by the owner or user of the boiler or unfired pressure vessel and shall be available when called for by a deputy of the industrial commission.

(5) For unfired pressure vessels, the inspection report made to owner or user may be used as the inspection certificate if the report is so marked.

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

## PART V

### NEW INSTALLATIONS ORIGINAL CONSTRUCTION

**Ind 41.50 A.S.M.E. code vessels.** (1) Except as regulated in sections Ind 41.51, 41.52, and 41.53, boilers and unfired pressure vessels installed after the effective date of this section (Ind 41.50) shall be con-

structed and installed in accordance with the following sections of the A.S.M.E. boiler and pressure vessel code:

(a) Section I	Power boilers	1959 Edition	As amended to Jan. 1, 1961
(b) Section II	Material specifications	1959 Edition	As amended to Jan. 1, 1961
(c) Section IV	Low pressure heating boilers	1959 Edition	As amended to Jan. 1, 1961
(d) Section V	Miniature boilers	1959 Edition	As amended to Jan. 1, 1961
(e) Section VIII	Unfired pressure vessels	1959 Edition	As amended to Jan. 1, 1961
(f) Section IX	Welding qualifications	1959 Edition	As amended to Jan. 1, 1961

*Note 1.* Copies of the above publications 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, 29 West 39th Street, New York 18, N.Y. C  
2/

*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 revisor of statutes, State Capitol, Madison, Wisconsin.

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

**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.