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Department of Industry, Labor and Human Relations under the following conditions:

(a) The boiler and pressure vessel inspectors employed by the company or corporation shall hold certificates of competency issued by the Department of Industry, Labor and Human Relations.

(b) The company or corporation shall report inspections of boilers and pressure vessels to the Department of Industry, Labor and Human Relations as required in section Ind 41.26.

(c) 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; r. and recr. Register, February, 1971, No. 182, eff. 3-1-71.

Ind 41.26 Reporting of inspections. (1) Reports of periodic internal or external inspections of boilers and pressure vessels shall be sent to the Department of Industry, Labor and Human Relations 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; am. (1), Register, February, 1971, No. 182, eff. 3-1-71.

Ind 41.27 Inspection report forms. (1) An internal or external boiler inspection that conforms to periodic inspection requirements (Ind 41.20) shall be reported to the Department of Industry, Labor and Human Relations on inspection form SB 210 or National Board of Boiler and Pressure Vessel Inspectors standard form.

(2) A pressure vessel inspection that conforms to periodic inspection requirements (Ind 41.20) shall be reported to the Department of Industry, Labor and Human Relations on inspection form SB 209 or National Board of Boiler and Pressure Vessel Inspectors standard form.

(a) Multiple Vessels on a Single Report. A group of 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 vessel and shall be reported to the Department of Industry, Labor and Human Relations on inspection form SB 209 or National Board of Boiler and Pressure Vessel Inspectors standard form.

(3) The inspection report shall be legible and complete as possible. A manufacturer's data report of boiler or pressure vessel shall be available to inspector for first inspection.

History: Cr. Register, April, 1961, No. 64, eff. 5-1-61; r. and recr Register, February, 1971, No. 182, eff. 3-1-71.

Ind 41.28 Certificates of operation. (1) After each periodic internal or external inspection a certificate of operation shall be issued to the owner or user of the boiler or pressure vessel by the department of industry, labor and human relations or by the city authorized by that agency.

(2) The certificate of operation shall give the maximum operating pressure as determined using the regulations of the code.

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

(4) The certificate of operation shall be kept on file on the premises by the owner or user of the boiler or pressure vessel and shall be available when called for by a deputy of the department of industry, labor and human relations.

NOTE: A fee in the amount set in chapter Ind 69, Fee Schedule, shall be paid to the Department of Industry, Labor and Human Relations for all Certificates of Operation.

History: Cr. Register, April, 1961, No. 64 eff. 5-1-61; am. (1), (4) and (5), Register, January, 1966, No. 121, eff. 2-1-66; am. (1), (2), (3) and (4) and r. (5), Register, October, 1970, No. 178, eff. 11-1-70.

Ind 41.29 Condemnation. (1) The condemnation of a boiler or pressure vessel shall be a function of the department of industry, labor and human relations only. Any boiler or pressure vessel declared by an authorized inspector to be unsafe and beyond repair shall be referred to the department of industry, labor and human relations for condemnation proceedings.

(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, Ind 41.52, and Ind 41.53, boilers and pressure vessels installed after the date effective of this section, shall

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

			As Amended by Summer and Winter Addenda
(a) Section I	Power Boilers.....	1968 Edition	1968 and 1969
(b) Section II	Material Specifications.....	"	"
(c) Section III	Nuclear Vessels.....	"	"
(d) Section IV	Low Pressure Heating Boilers.....	"	"
(e) Section VIII	Pressure Vessels—Div. 1.....	"	"
(f) Section VIII	Pressure Vessels—Div. 2.....	"	"
(g) Section IX	Welding Qualifications.....	"	"
(h)	Nuclear Power Piping (U.S.A.S. B31.7).....	1969 Edition	

Note 1. The department of industry, labor and human relations will recognize the applicable "case interpretations" of A.S.M.E. boiler and pressure vessel code published by A.S.M.E. as being acceptable.

Note 2. Copies of the above publication are available for inspection at the office of the department of industry, labor and human relations, 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.

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; r. and recr., Register, November, 1970, No. 179, eff. 12-1-70.

Ind 41.51 Wisconsin special vessels. (1) Where it is not possible or practical to construct a boiler or pressure vessel in strict compliance with the A.S.M.E. codes listed in section Ind 41.50, the Department of Industry, Labor and Human Relations 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 department 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 department before the vessel is installed.

(b) When the vessel is to be built by an owner for his own use, the department 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 department before the vessel is installed.

(c) When a small number of vessels is to be built by a manufacturer, the department 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 department before the vessel is installed.

(2) The provisions of this section shall not apply to Wisconsin special vessels accepted by the Department of Industry, Labor and Human Relations before the effective date of this section.

History: Cr. Register, April, 1961, No. 64, eff. 5-1-61; r. and recr. Register, February, 1971, No. 182, eff. 3-1-71.

Ind 41.52 U.S. Department of Transportation—Federal Highway Division. Pressure vessels carrying the stamping of the D.O.T. 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 Department of Industry, Labor and Human Relations.

History: Cr. Register, April, 1961, No. 64, eff. 5-1-61; am. Register, February, 1971, No. 182, eff. 3-1-71.

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.