

the industrial commission blue prints and specifications of the type for approval.

History: Cr. Register, December, 1956, No. 12, eff. 1-1-57.

Ind 41.11 Boiler blow-down equipment. (1) The blow-down from a boiler or boilers that enters a sewer system or blow-down which is considered a hazard to life or property shall pass through some form of blow-off equipment that will reduce pressure and temperature as required hereinafter.

(2) The temperature of the water leaving the blow-off equipment shall not exceed 140° Fahrenheit.

(3) The pressure of the blow-down leaving any type of blow-off equipment shall not exceed 5 psi.

(4) The blow-off piping and fittings between the boiler and the blow-off tank shall comply with sections Ind 41.50 and Ind 41.51 of this code.

(5) The tank shall be designed in accordance with sections Ind 41.50 and Ind 41.51 of this code for a working pressure of at least one-fourth the maximum working pressure of the boiler to which it is connected.

(6) All blow-off equipment shall be fitted with openings to facilitate cleaning and inspection.

History: Cr. Register, December, 1956, No. 12, eff. 1-1-57.

NEW CONSTRUCTION

Ind 41.50 Requirements. All boilers and unfired pressure vessels hereafter installed shall be constructed and installed in accordance with the following sections of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code.

(1) Section I	Power Boilers	1956 Edition*	As amended to January 1, 1957
(2) Section II	Material Specifications	" "	* As amended to January 1, 1957
(3) Section IV	Low Pressure Heating Boilers	" "	* As amended to January 1, 1957
(4) Section V	Miniature Boilers	1952	" * As amended to January 1, 1957
(5) Section VIII	Unfired Pressure Vessels	1956	" * As amended to January 1, 1957
(6) Section IX	Welding Qualifications	" "	* As amended to January 1, 1957

* *Note:* Copies of the above publications are available for inspection at the office of the Industrial Commission and the 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.

Register, December, 1956, No. 12
Boiler and Unfired Pressure Vessel Code

It shall further be the policy of the industrial commission to revise and amend this part (Section Ind 41.50 and Ind 41.51 New Construction) from time to time. Anyone using this code is cautioned to check with the industrial commission for the latest releases.

History: Cr. Register, December, 1956, No. 12, eff. 1-1-57.

Ind 41.51 Exceptions to Ind 41.50. (1) Boilers and pressure vessels not meeting the standard of section Ind 41.50 may be approved by the industrial commission provided the following conditions are met:

(a) The design, material, and workmanship shall be such that they will be operated with an accepted factor of safety.

(b) Complete plans and specifications shall be submitted to, and approved by, the industrial commission before any construction is started.

(c) Vessels constructed under these conditions shall be inspected during construction by an authorized inspector and upon completion, shall be stamped "Wisconsin Special".

(2) The use of a vessel constructed under these conditions shall be limited to the operation and use set forth in the approved application unless additional approval is obtained from the industrial commission.

(3) It is the intent of this code that unfired pressure vessels which have been constructed, inspected, and stamped according to the Interstate Commerce Commission, Regulations Tariff No. 9 effective May 12, 1954 as amended to December 31, 1955, will be considered to meet the requirements of section Ind 41.51 (1) (a), (b), and (c) above, unless stated to the contrary. 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.

(4) **OTHER EXCEPTIONS.** (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. This exception shall not apply when the apparatus is used to produce hot water for heating purposes.

(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° Fahrenheit.

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

(5) **CONSTRUCTION AND IDENTIFICATION.** The apparatus, tanks and vessels described in section Ind 41.51 (4) shall be:

(a) Equipped with a water relief valve not less than one inch in diameter installed according to the applicable provisions of section Ind 42.19.

(b) Constructed by qualified welders employed by a manufacturer registered with the commission, and designed with a safety factor of four and an allowable working pressure of at least 100 psig.

(c) Identified by a stamp showing the manufacturer's name, a serial number, the allowable working pressure, and the year fabricated.

History: Cr. Register, December, 1956, No. 12, eff. 1-1-57; cr. (4) and (5), Register, May, 1958, No. 29, eff. 6-1-58.

Ind 41.52 Forms. The following forms are listed in accordance with Sec. 227.013, Wis. Stats. They are issued by the Safety & Building Division and may be obtained from the Industrial Commission, 1 West Wilson Street, Madison.

(1) SB-14 Insurance Company Boiler Inspector (Ind 41.08).

(2) SB-37 Application For A Certificate Of Competency (Ind 41.08).

(3) SB-39 Manufacturer's Data Report of Boiler or Pressure Vessel (Ind 41.09).

History: Cr. Register, October, 1957, No. 22, eff. 11-1-57.