

CR 89-51

RULES CERTIFICATE

STATE OF WISCONSIN)
) SS
DEPT. OF INDUSTRY,)
LABOR & HUMAN RELATIONS)

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TO ALL TO WHOM THESE PRESENTS SHALL COME, GREETINGS:

I, Gerald Whitburn, Secretary of the Department of Industry, Labor and Human Relations, and custodian of the official records of said department, do hereby certify that the annexed rule(s) relating to boilers and pressure vessels were duly approved and adopted by this department on December 4, 1989.

(Subject)
(Date)
I further certify that said copy has been compared by me with the original on file in this department and that the same is a true copy thereof, and of the whole of such original.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the department at 9:00 a.m. in the city of Madison, this 4th day of December, A.D. 19 1989

Gerald Whitburn
Secretary

3-1-90

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ORDER OF ADOPTION

Pursuant to authority vested in the Department of Industry, Labor and Human Relations by section(s) 101.02(1) and (15)(h) to (j) and 101.17, Stats., the Department of Industry, Labor and Human Relations creates; amends; repeals and recreates; repeals and adopts rules of Wisconsin Administrative Code chapter (s):

ILHR 41-42

(Number)

Boilers and Pressure Vessels

(Title)

The attached rules shall take effect on the first day of the month following publication in the Wisconsin Administrative Register pursuant to section 227.22, Stats.

Adopted at Madison, Wisconsin, this

date: December 4, 1989

DEPARTMENT OF INDUSTRY, LABOR AND HUMAN
RELATIONS



Secretary



RULES in FINAL DRAFT FORM

Rule: Chapters ILHR 41-42

Relating to: Boilers and Pressure Vessels

Clearinghouse Rule No.: 89-51

The Wisconsin Department of Industry, Labor and Human Relations proposes an order to amend ILHR 41.04(37) and ILHR 42.02(1); to repeal and recreate ILHR 41.10 Table 41.10 and ILHR 41.46; and to create ILHR 42.45 (3), relating to boilers and pressure vessels.

Analysis of Proposed Rule

Statutory Authority: ss. 101.02 (1), 101.02 (15) (h) to (j) and 101.17

Statutes Interpreted: s. 101.17

The Division of Safety and Buildings within the Department is responsible for adopting and enforcing rules relative to the protection of the life, health, safety and welfare of employees and frequenters in public buildings and places of employment. The provisions of chapters ILHR 41-42 contain safety and health rules relating to the design, construction, installation, operation and inspection of boilers and pressure vessels.

The proposed rules consist of miscellaneous changes in chapters ILHR 41-42 in order to correct some inconsistencies and to update the code relative to nationally accepted standards for design and construction. The definition of "secondhand vessel" is being amended by deleting the reference to change of ownership. This definition will then be consistent with chapter ILHR 11. The rules relating to power piping are clarified relative to the use of slip-on flanges. A clarification is also being added to indicate that boilers and pressure vessels used for portable or emergency use are exempt from secondhand vessel test requirements. The rules relating to welded repairs are being amended by adding that the repair certificate of authorization must contain provisions for welded repairs. In order to keep the Wisconsin boiler and pressure vessel code up-to-date with national standards, the proposed rules contain the adoption by reference of the latest edition of the ASME Boiler and Pressure Vessel Code and the Power Piping Code. The Attorney General and the Revisor of Statutes have given permission for the incorporation by reference of these standards.

SECTION 1. ILHR 41.04 (37) is amended to read:

ILHR 41.04 (37) "Secondhand vessel" means a boiler or pressure vessel that has changed ~~both~~ location ~~and/owner's~~ subsequent to the original installation.

SECTION 2. ILHR 41.10 Table 41.10 is repealed and recreated to read:

TABLE 41.10

ASME Boiler and Pressure Vessel Code
(1989 edition)

1. Section	I	Power Boilers
2. Section	II	Material Specifications
	a.	Part A - Ferrous Material
	b.	Part B - Nonferrous Material
	c.	Part C - Welding Rods, Electrodes and Filler Metals
3. Section	III	Nuclear Power Plant Components
		Divisions 1 and 2
	a.	Subsection NCA - General Requirements Division 1
	a.	Subsection NB - Class 1 Components
	b.	Subsection NC - Class 2 Components
	c.	Subsection ND - Class 3 Components
	d.	Subsection NE - Class MC Components
	e.	Subsection NF - Component Supports
	f.	Subsection NG - Core Support Structures
	g.	Appendices Division 2
	a.	Concrete Reactor Vessels and Containments
4. Section	IV	Heating Boilers
5. Section	V	Nondestructive Examination
6. Section	VIII	Pressure Vessels
	a.	Division 1 - Pressure Vessels
	b.	Division 2 - Alternative Rules
7. Section	IX	Welding and Brazing Qualifications
8. Section	X	Fiberglass-Reinforced Plastic Pressure Vessels
9. Section	XI	Rules for Inservice Inspection of Nuclear Power Plant Components, Division 1

ANSI/ASME Standards

10. Power Piping (ANSI/ASME B31.1 - 1986 edition, including addenda B31.1a-1986, B31.1b-1987 and B31.1c-1988)

SECTION 3. ILHR 41.46 is repealed and recreated to read:

ILHR 41.46 POWER PIPING. (1) GENERAL. Power piping shall be installed in accordance with the ANSI standard for power piping, including addenda, listed in Table 41.10. The use of slip-on flanges exceeding 4-inches nominal pipe size shall not be permitted on power piping.

(2) BOILER EXTERNAL PIPING. Boiler external piping within the scope of section I of the ASME code shall be installed in accordance with the ANSI standard for power piping, including addenda, listed in Table 41.10.

(3) APPLICATION. This section applies to new systems as well as all replacements, modifications, and alterations to existing systems.

SECTION 4. ILHR 42.02 (1) is amended to read:

ILHR 42.02 (1) AUTHORIZATION. Repairs to boilers and pressure vessels shall be performed by an organization in possession of a valid National Board repair "R" certificate of authorization, a valid ASME certificate of authorization containing provisions for welded repairs or a valid weld repair program which has been reviewed and verified by the department or an authorized inspection agency. The repair organization shall have a documented quality control program containing a description of the scope of work they intend to perform with supporting welding procedures and qualification reports in accordance with the ASME Code Section IX. Welded repairs of a routine nature as specified in the scope of the repair organization's quality control program may be performed without prior approval of the authorized inspector.

SECTION 5. ILHR 42.45 (3) is created to read:

ILHR 42.45 INSPECTION AND TESTING. (3) EXEMPT VESSELS. Boilers and pressure vessels used for portable or emergency use shall be exempt from secondhand vessel test requirements.

SECTION 6. Appendix A, Form SBD-5204 is replaced with a revised form dated 12/88.

EFFECTIVE DATE

Pursuant to s. 227.22 (2) (intro.), Stats., these rules shall take effect on the first day of the month following publication in the Wisconsin Administrative Register.

POWER PIPING INSTALLATION REGISTRATION

Installing contractor must prepare this document for copy distribution as follows:

- White - Send to Department of Industry, Labor and Human Relations, Safety and Buildings Division, P.O. Box 7969, Madison, WI 53707, or City of Milwaukee, if applicable.
- Yellow - Send to owner.
- Pink - Retain for file.

System Description

User or Owner's Name	Installing Contractor's Name	
Street Address	Street Address	
City, State, Zip Code	City, State, Zip Code	
Installation Designed By	Authorized Inspector	
	Employed By	
	Date Inspected	Cert. No.

Safety Valve Settings - Power Source	Capacity
1. _____	_____
2. _____	_____
3. _____	_____

PSIG

Maximum Allowable Pressure _____

Test Pressure _____

Date Tested _____

I certify this system was installed and tested in accordance with ILHR 41.46 of the Wisconsin Administrative Code.

Date Installation Completed	Installer's Signature and Title	FOR DILHR USE ONLY Date Installation Registered
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Tommy G. Thompson
Governor
Gerald Whitburn
Secretary

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State of Wisconsin
Department of Industry, Labor and Human Relations

December 4, 1989

Gary Poulson
Assistant Revisor of Statutes
Suite 702
30 West Mifflin Street
Madison, Wisconsin 53703

Douglas LaFollette
Secretary of State
10th Floor
30 West Mifflin Street
Madison, Wisconsin 53703

Dear Messrs. Poulson and LaFollette:

TRANSMITTAL OF RULE ADOPTION

CLEARINGHOUSE RULE NO. 89-51

RULE NO. Chapter ILHR 41-42

RELATING TO: Boilers and Pressure Vessels

Pursuant to section 227.20, Stats., agencies are required to file a certified copy of every rule adopted by the agency with the offices of the Secretary of State and the Revisor of Statutes.

At this time, the following material is being submitted to you:

1. Order of Adoption.
2. Rules Certificate Form.
3. Rules in Final Draft Form.

Pursuant to section 227.114, Stats., a summary of the final regulatory flexibility analysis is also included.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Gerald Whitburn".

Gerald Whitburn
Secretary