CR 89-51

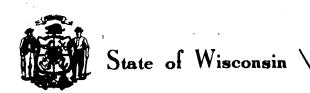
RULES CERTIFICATE

STATE OF WISCONSIN) SS DEPT. OF INDUSTRY,) LABOR & HUMAN RELATIONS)	DEC 5 1989 Revisor of Statutes Bureau		
TO ALL TO WHOM THESE PRESENTS SHALL COMP	E, GREETINGS:		
I,Gerald Whitburn	, Secretary of the Department of		
Industry, Labor and Human Relations, and	l custodian of the official records		
of said department, do hereby certify th	nat the annexed rule(s) relating to		
boilers and pressure vessels	were duly		
(Subject) approved and adopted by this department on			
the whole of such original.			
	IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the official seal of the department at _0.00 a.mm. in the city of Madison, this 4th day of December, A.D. 19 1989		
	fred Whiten		
	Secretary		

RECEIVED

DEC 5 1989

Revisor of Statutes Bureau ORDER OF ADOPTION



RULES in FINAL DRAFT FORM

Rule: _	Chapter	s ILHR 41-42		
Relating	to:_	Boilers and Pressure V	essels	
Clearing	hous	se Bule 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. 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/ownership 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)

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

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:

<u>ILHR 42.45 INSPECTION AND TESTING.</u> (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.

Wisconsin Department of Industry, Labor and Human Relations

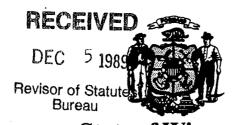
POWER PIPING INSTALLATION REGISTRATION

Safety and Buildings Division Boiler Safety Section P.O. Box 7969 Madison, WI 53707 (608) 266-1904

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 Descri	ption					,	
User or Owne	r's Name			Installing Contractor	r's Name		
Street Addres	S			Street Address			
City, State, Zip Code				City, State, Zip Code			
Installation Designed By			Authorized Inspector				
				Employed By			
				Date Inspected		Cert. No.	
Safety Valve S	ettings - Power S	ource		Capa	city		
1							
2							
3							
PSIG							
Maximum /	Allowable Pressur	e _				_	
Teat Pressu	re	_					
Date Tested	d						
I certify this sy	stem was installe	d and tested in a	accordance wi	th ILHR 41.46 of the Wi	sconsin Admi	nistrative Code.	
Date Installati	ion Completed	Installer's Sign	nature and Title	3	500000000	R DILHR USE ONLY te Installation Registered	

Tommy G. Thompson Governor Gerald Whitburn Secretary



Mailing Address: 201 E. Washington Avenue Post Office Box 7946 Madison, WI 53707-7946 Telephone (608) 266-7552

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, St	ats., 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,

Gerald Whitburn

Secretary