

AMENDATORY SECTION (Amending WSR 99-22-026, filed 10/26/99, effective 11/26/99)

WAC 296-104-015 Administration--When and where are the board meetings held? The board of boiler rules shall hold its regular meetings in ~~((January))~~ February, ~~((March,))~~ May, September and November of each year. The time, place, and date of each regular meeting shall be set by the ~~((chairman of the board))~~ department, approved by the board chair and published annually. Special meetings may be called by the chair.

AMENDATORY SECTION (Amending WSR 07-11-137, filed 5/22/07, effective 6/30/07)

WAC 296-104-018 Administration--How are rules interpreted and revised? Stakeholder~~((s may))~~ requests for clarifications and interpretations of these rules ~~((by contacting))~~ shall be made to the chief inspector in writing upon the form furnished by the chief inspector located on the boiler program web site. Interpretations will be brought to the board in the same manner if the inquirer is aggrieved by the interpretation of the chief inspector (RCW 70.79.360). ~~((The))~~ For board ~~((will consider written requests for interpretations and revisions to these definitions, rules, and regulations. Inquiries shall be limited to requests for interpretation of the rules or to proposed revisions to the existing rules and shall be submitted to the department of labor and industries forty five days prior to the board of boiler rules meeting date. The requests shall be in writing upon the form furnished by the chief inspector located on the boiler program web site. Requests not using the form must be in the following format:~~

(1) ~~Scope. Identify a single rule or closely related rules that are in dispute.~~

(2) ~~Background. State the purpose of the inquiry, which should be either to obtain an interpretation or to propose a revision to existing rules. Provide concise information needed for the board's understanding of the inquiry, including references to the WAC section as well as other code and/or standards paragraphs.~~

(3) ~~Inquiry structure. Provide statements in a condensed and precise question format and, where appropriate, compose in such a way that "yes" or "no" (perhaps with provisos) would be an acceptable reply.~~

(4) ~~Proposed reply. State what it is believed the rule requires. If in the inquirer's opinion a revision to the defini-~~

~~tions, rules, and regulations is needed, recommended wording should be provided.~~

~~Inquiries shall be submitted by mail to:
Board of Boiler Rules
c/o Chief Inspector
Department of Labor & Industries
Boiler Section
P.O. Box 44410
Olympia, WA 98504-4410~~

~~or~~

~~Inquiries shall be submitted by delivery to:
Board of Boiler Rules
c/o Chief Inspector
Department of Labor & Industries
Boiler Section
7273 Linderson Way SW
Tumwater, WA 98501~~

~~or~~

~~Inquiries shall be submitted electronically to:
Board of Boiler Rules
c/o Chief Inspector~~

~~BoilerBoardInquires@lni.wa.gov)) consideration the form must be submitted to the department of labor and industries forty-five days prior to the board of boiler rules meeting date. Forms may also be requested by contacting the department.~~

NEW SECTION

WAC 296-104-019 Administration--How are Washington state specials and extensions of inspection frequencies for boilers and pressure vessels obtained? Stakeholders may request a Washington state special or an extension of inspection frequencies for boilers and pressure vessels by submitting a written request to the board of boiler rules. The request shall be in writing upon the appropriate form furnished by the chief inspector located on the boiler program web site. These requests shall be submitted to the department of labor and industries forty-five days prior to the board of boiler rules meeting date.

(1) Washington state specials may be granted for boilers and pressure vessels that meet the requirements of RCW 70.79.060, WAC 296-104-205, 296-104-210, and 296-104-220.

(2) Extension of inspection frequencies may be granted for boilers and pressure vessels that meet the requirements of RCW 70.79.240 and 70.79.260.

AMENDATORY SECTION (Amending WSR 02-23-036, filed 11/13/02, effective 12/14/02)

WAC 296-104-020 Administration--What are the filing requirements for boilers and unfired pressure vessels before their installation/reinstallation? A "boiler and pressure vessel installation/reinstallation permit," as defined in WAC 296-104-010 shall be submitted by the owner or (~~agent and~~) designee on a form approved by the chief inspector.

AMENDATORY SECTION (Amending WSR 08-12-015, filed 5/27/08, effective 6/30/08)

WAC 296-104-100 Inspection--How often must boilers and unfired pressure vessels be inspected? In accordance with RCW 70.79.080, 70.79.090, and 70.79.240 the following inspection requirements shall apply:

(1) **Power boilers** shall be inspected:

(a) Externally while under pressure - Annually.

(b) Internally and externally while not under pressure - Annually, except as noted in the following paragraph.

A power boiler in a national board accredited owner-user inspection program may have the internal inspection intervals extended by the owner-user inspection organization to five years maximum under the following conditions:

(i) The boiler water treatment and specific chemical limits are prescribed and monitored by an individual or company that specializes in the water treatment field;

(ii) Nondestructive examination (NDE) is performed along with the internal inspections;

(iii) The boiler is monitored within a manned operating facility;

(iv) Inspection, maintenance, and water treatment records are maintained;

(v) There is sufficient inspection history for the boiler or a boiler in similar service to justify the increase in the inspection interval; and

(vi) This provision shall not apply to a black liquor recovery boiler or any boiler with an unsuitable corrosion rate, remaining life, and/or repair history.

(2) **Organic vapor boilers** shall be inspected:

(a) Externally while under pressure - Annually.

(b) Internally and externally while not under pressure - Biennially.

(3) **Low pressure heating boilers** shall be inspected:

(a) Externally while in operation and under pressure - Biennially.

(b) Where construction permits, internally while not under

pressure. Also, as a minimum, an internal of their low water fuel cutoff(s) must be completed, where construction permits - Biennially.

(4) **Hot water heaters** shall be inspected:

(a) Externally - Biennially.

(b) Internally - None required.

(5) **Unfired pressure vessels** shall be inspected:

(a) Externally - Biennially.

(b) Internally:

(i) When subject to corrosion and construction permits - Biennially. Vessels in an owner-user inspection program may follow intervals established by the NBIC or API-510 ninth edition with addenda (~~(, provided nondestructive examination (NDE) is performed at the biennial external inspection)~~).

(ii) Pulp or paper dryer rolls may be inspected on a five-year basis in accordance with TAPPI TIP 0402-16 2001 edition, provided the owner has established a written inspection program accepted by the inspector that meets the minimum requirements of TAPPI TIP 0402-16 2001 edition.

(iii) Vessels not subject to corrosion do not require an internal.

AMENDATORY SECTION (Amending WSR 08-24-072, filed 12/1/08, effective 1/1/09)

WAC 296-104-200 Construction--What are the standards for new construction? The standards for new construction are:

(1) ASME Boiler and Pressure Vessel Code, 2007 edition, with addenda Sections I, III, IV, VIII, Division 1, 2, 3, X, XII;

(2) ASME PVHO-1 2007 Safety Standard for Pressure Vessels for Human Occupancy; and

(3) (~~ASME CSD-1 Part CF 2004 edition with addenda; and~~

~~(4) NFPA 85 Boiler and Combustion Systems Hazards Code 2004 edition (for use with boilers with fuel input ratings of 12,500,000 BTU/hr) or greater; and~~

~~(5))~~ Standards of construction approved by the chief inspector and meeting the National Board Criteria for Registration of Boilers, Pressure Vessels and Other Pressure Retaining Items.

These codes and standards may be used on or after the date of issue and become mandatory twelve months after adoption by the board as specified in RCW 70.79.050(2). ASME Code Cases may be approved for use when accepted by the chief inspector. The board recognizes that the ASME Code states that new editions of the code become mandatory on issue and that subsequent addenda become mandatory six months after the date of issue. For nuclear systems, components and parts the time period for addenda becoming mandatory is defined in the Code of Federal Regulations.

AMENDATORY SECTION (Amending WSR 01-24-061, filed 11/30/01, effective 12/31/01)

WAC 296-104-205 Construction--What are the requirements for nonstandard new construction? Those boilers and unfired pressure vessels that are exempted by the codes adopted in WAC 296-104-200 due to volume, temperature or pressure requirements, and are not to be constructed to those codes, must be certified to a nationally recognized testing agency or constructed to WAC 296-104-230. See WAC ((296-104-307)) 296-104-316 for safety pressure relief devices.

Other boilers and unfired pressure vessels that are not to be constructed to the codes adopted in WAC 296-104-200 may be treated as special designs at the discretion of the board. Nonstandard construction shall not be permitted to avoid standard construction.

AMENDATORY SECTION (Amending WSR 02-23-036, filed 11/13/02, effective 12/14/02)

WAC 296-104-273 Installation--What inspections are required for reinstalled standard boilers or unfired pressure vessels? When a stationary standard boiler or unfired pressure vessel is moved and reinstalled it must be inspected and documented on the inspection report by an inspector. The following will be required:

(1) ~~((The fittings and appliances must comply with the latest codes adopted in WAC 296-104-200.~~

~~(2))~~ An installation permit must be submitted in accordance with WAC 296-104-020.

(2) The fittings and appurtenances must comply with the latest codes adopted in WAC 296-104-200. For automatically fired boilers, fuel controls and other limit devices as listed in WAC 296-104-303 shall be provided.

(3) For any boiler or unfired pressure vessel not currently registered with the department, the following are required ~~((to be documented and submitted))~~ unless waived by the inspector:

(a) A hydrostatic or pressure test ~~((up to 150% of the maximum allowable working pressure, MAWP))~~ as prescribed in the original code of construction.

(b) An internal inspection.

(c) An operational test.

(d) Any repairs deemed necessary.

(e) A complete history of inspection, operation and repairs/alterations.

~~((4) The following are required unless waived by the inspector:~~

~~(a))~~ (f) Additional examination or nondestructive testing.

~~((b))~~ (g) A written evaluation by a professional engineer knowledgeable with boilers and pressure vessels, an ASME certificateholder, or a National Board R certificateholder.

REPEALER

The following section of the Washington Administrative Code is repealed:

WAC 296-104-310

Installation--How many exits are required in boiler rooms?