

Board of High Pressure Piping Systems
2013 Sub-Committees Meeting Minutes
Thursday, November 21, 2013
Washington Room – Department of Labor and Industry
443 Lafayette Road North, St. Paul, MN 55155

Each of the HPPS sub-committees listed below met on Thursday, November 21, 2013 at the times indicated.

Sub-Committee No. 1 / IIAR2 (B31.5)

The meeting took place at 9:00 a.m.

Members Present:

1. Jim Andrie (Chair)
2. Chris Savage
3. Marit Brock
4. Todd Green (Commissioner's Designee)

The following recommendations were approved by unanimous vote and carried:

- Adopt by reference IIAR2-2008 with addendums A and B.
- Amendment: Addendum A, Section 11.3.3 – Insert “atmospheric” between the words “from” and “pressure”, as indicated below:
11.3.3 The discharge piping from atmospheric pressure relief devices shall be minimum schedule 40 steel for all pipe sizes. The relief shall comply with the materials requirements of 10.2.1.5, 10.2.1.6, 10.2.1.7 and 10.2.1.8.
- Adopt by reference ASME B31.5-2013
- Change to MN Rule 5230.5001, subpart 1: Insert “with addendums A & B” between the words “revision” and “of” in the first sentence, as indicated below:
5230.5001 INCORPORATIONS BY REFERENCE.
Subpart 1. ANSI/IIAR 2. For purposes of this chapter, “ANSI/IIAR 2” means the 2008 revision with addendums A & B of the standard for Equipment, Design, and Installation of Closed-Circuit Ammonia Mechanical Refrigerating Systems, as approved by the American National Standards Institute and as published by the International Institute of Ammonia Refrigeration, 1110 North Glebe Road, Suite 250, Arlington, Virginia 22201. ANSI/IIAR 2 is incorporated by reference and made part of the code for ammonia refrigeration systems, except as amended in this chapter. Portions of this chapter reproduce text from ANSI/IIAR 2. ANSI/IIAR 2 is not subject to frequent change and a copy of ANSI/IIAR 2 is available in the office of the commissioner of labor and industry and at the State Law Library, 25 Rev. Dr. Martin Luther King Jr. Blvd., Saint Paul, Minnesota 55155. ANSI/IIAR 2 is copyrighted by the International Institute of Ammonia Refrigeration. All rights reserved.

- Change to MN Rule 5230.5001, subpart 2: Strike "2006" insert "2013" in the first sentence, as indicated below:

5230.5001 INCORPORATIONS BY REFERENCE.

Subp. 2. ASME B31.5. For purposes of this chapter, "ASME B31.5" means the ~~2006~~**2013** revision of the standard for ammonia refrigeration piping as approved and published by ASME, Three Park Avenue, New York, New York 10016. ASME B31.5 is incorporated by reference and made part of the code for ammonia refrigeration piping. ASME B31.5 is not subject to frequent change and a copy of ASME B31.5 is available in the office of the commissioner of labor and industry and at the State Law Library, 25 Rev. Dr. Martin Luther King Jr. Blvd., Saint Paul, Minnesota 55155.

Sub-Committee No. 2 / BPE

The meeting took place at 9:00 a.m.

Members Present:

1. Jim Andrie (Chair)
2. Chris Savage
3. Marit Brock
4. Todd Green (Commissioner's Designee)

The following recommendations were approved by unanimous vote and carried:

- Adopt by reference ASME BPE-2012
- Change to MN Rule 5230.0220 subpart 1: Strike "2005", insert "2012", as indicated below:

5230.0220 BIOPROCESS PIPING.

Subpart 1. ASME BPE. All bioprocess piping must meet the requirements of ASME BPE. For purposes of this chapter, "ASME BPE" means the ~~2005~~**2012** edition of the Bioprocessing Equipment Standard adopted and published by ASME, Three Park Avenue, New York, New York 10016. ASME BPE is incorporated by reference and made part of the code for high pressure piping systems. ASME BPE is not subject to frequent change and a copy of ASME BPE is available in the office of the commissioner of labor and industry and at the State Law Library, 25 Rev. Dr. Martin Luther King Jr. Blvd., Saint Paul, Minnesota 55155.

Sub-Committee No. 3 / Section IX (welding)

The meeting took place at 10:30 a.m.

Members Present:

1. Mark Geisenhoff (Chair)
2. Mark Kincs
3. Bob Bastianelli
4. Russ Scherber
5. Todd Green (Commissioner's Designee)

The following recommendations were approved by unanimous vote and carried:

- Adopt by reference ASME Section IX-2013
- Change to MN Rule 5230.5920 subpart 2: Strike "2007 revision", insert "2013 edition", as indicated below:

5230.5920 QUALIFICATION OF WELDING PROCEDURES, WELDERS, AND WELDING OPERATORS.

Subp. 2. Incorporation by reference. For purposes of this chapter, "ASME section IX" means the ~~2007~~**2013 edition** revision of section IX of the Boiler and Pressure Vessel Code, as approved and published by ASME, Three Park Avenue, New York, New York 10016. ASME section IX is incorporated by reference and made a part of this chapter. ASME section IX is not subject to frequent change. A copy of ASME section IX is available in the office of the commissioner of labor and industry and at the State Law Library, 25 Rev. Dr. Martin Luther King Jr. Blvd., Saint Paul, Minnesota 55155.

Sub-Committee No. 4 / B31.1 (steam)

The meeting took place at 1:00 p.m.

Members Present:

1. Mark Kincs (Chair)
2. Mark Geisenhoff
3. Bob Bastianelli
4. Dave Carlson
5. Tim Daugherty
6. Todd Green (Commissioner's Designee)

The following recommendations were approved by unanimous vote and carried:

- See Exhibit 1 attached

PROPOSED REVISIONS

Rule 5230.0250-5230.0335 "Code for Steam or Heating Media Piping Systems"

5230.0260 SCOPE.

Valves, fittings, and piping for boilers, as prescribed in the ASME Code for Power Boilers, are within the scope for this code but provisions of the ASME Code for Power Boilers shall govern where they exceed corresponding requirements of this code. For purposes of this chapter, "ASME Code for Power Boilers" means the ~~2007~~ **2013** edition of the ASME Boiler and Pressure Vessel Code, section I, as adopted and published by ASME, Three Park Avenue, New York, New York 10016. The ASME Code for Power Boilers is incorporated by reference in the code for steam or heating media piping systems. The ASME Code for Power Boilers is not subject to frequent change, and a copy is available in the office of the commissioner of labor and industry and at the State Law Library, 25 Rev. Dr. Martin Luther King Jr. Blvd., Saint Paul, Minnesota 55155.

Economizers, heaters, tanks, and other pressure vessels are outside the scope of this code, but connecting piping shall conform to the requirements herein specified.

5230.0265 ADOPTION OF ASME B31.1 BY REFERENCE.

For purposes of this chapter, "ASME B31.1" means the ~~2007-revision~~ **2012 edition** of the standard for power piping, as approved and published by ASME, Three Park Avenue, New York, New York 10016. ASME B31.1 is incorporated by reference and made part of the code for steam or heating media piping systems, except as amended in this chapter. Portions of this chapter reproduce text from ASME B31.1 ASME B31.1 is not subject to frequent change and a copy of ASME B31.1 is available in the office of the commissioner of labor and industry and at the State Law Library, 25 Rev. Dr. Martin Luther King Jr. Blvd., Saint Paul, Minnesota 55155. ASME B31.1 is copyright by ASME. All rights reserved.

5230.0275 CHAPTER I, SCOPE AND DEFINITIONS.

Section 100.1.2. The first paragraph of part (A) of ASME B31.1, section 100.1.2 is mended to read as follows:

(A) This code covers boiler external piping as defined below for power boilers and high temperature, high pressure water boilers in which: steam or vapor is generated at a pressure of more than 15 p.s.i. gauge; and high temperature water or other medium used for heating is generated at pressures exceeding 30 p.s.i. gauge and temperatures exceeding 250 degrees Fahrenheit (120 degrees Celsius).

Section 100.1.3. Subparagraph (F) is deleted.