

Meeting Minutes: Bioprocess and Steam Committee of the Board of High Pressure Piping Systems

Date: Thursday, October 12, 2017 @ 9:30 a.m.
Minutes prepared by: Lyndy Logan
Location: Minnesota Room, Department of Labor & Industry
443 Lafayette Rd. N., St. Paul, MN 55155

Attendance

Committee Members Present

Kyle Bain
Russell Scherber
Larry Stevens, Jr.

Committee Members Absent

Todd Green

DLI Staff & Visitors

None

1. Call to Order

The meeting was called to order at 9:35 a.m. by Stevens. Housekeeping announcements were made and a quorum was met with 3 of 4 Committee members present in person.

2. Special Business

Review Possible Amendments to Rules Relating to High Pressure Piping Systems, Chapter 5230 Steam and Bioprocess Piping.

A motion was made by Bain, seconded by Stevens, to accept proposed amendments to the Steam and Bioprocess Rules as shown in Attachment A and bring forward to the Board. The vote was unanimous with 3 votes in favor; the motion carried.

3. Announcements

Next regularly scheduled 2018 HPPS Board meeting – 10:00 a.m. Thursday – Minnesota Room, DLI

- January 11, 2018

4. Adjournment

A motion was made by Stevens, seconded by Bain, to adjourn the meeting at 9:45 a.m. The vote was unanimous with 3 votes in favor; the motion carried.

Respectfully Submitted,

Larry Stevens
Larry Stevens, Jr.

1.1 **Board of High Pressure Piping**

1.2 **Proposed Permanent Rules Adopting High Pressure Piping Regulations**

1.3 **5230.0220 BIOPROCESS PIPING.**

1.4 Subpart 1. **ASME BPE.** All bioprocess piping must meet the requirements of ASME
1.5 BPE. For purposes of this chapter, "ASME BPE" means the ~~2012~~ 2016 edition of the
1.6 Bioprocessing Equipment Standard adopted and published by ASME, Two Park Avenue,
1.7 New York, New York 10016. ASME BPE is incorporated by reference and made part of
1.8 the code for high pressure piping systems. ASME BPE is not subject to frequent change
1.9 and a copy of ASME BPE is available in the office of the commissioner of labor and industry
1.10 and at the State Law Library, 25 Rev. Dr. Martin Luther King Jr. Blvd., Saint Paul, Minnesota
1.11 55155.

1.12 Subp. 2. **Examination of welded pipe joints.** All welds on bioprocess piping systems
1.13 must comply with the visual examination acceptance standards in sections ~~MJ-6.3~~ MJ-8.3
1.14 to ~~MJ-6.4~~ MJ-8.4 of ASME BPE. When nondestructive examination other than visual
1.15 examination is required by job specification or by the administrative authority, the welds
1.16 must comply with the acceptance standards in sections ~~MJ-6.3~~ MJ-8.3 to ~~MJ-6.4~~ MJ-8.4 of
1.17 ASME BPE for each type of nondestructive examination required. All costs of nondestructive
1.18 testing shall be paid by the installing contractor. The contractor shall provide a copy of all
1.19 examination results to the administrative authority upon request.

1.20 **5230.0260 SCOPE.**

1.21 Valves, fittings, and piping for boilers, as prescribed in the ASME Code for Power
1.22 Boilers, are within the scope for this code but provisions of the ASME Code for Power
1.23 Boilers shall govern where they exceed corresponding requirements of this code. For purposes
1.24 of this chapter, "ASME Code for Power Boilers" means the ~~2013~~ 2017 edition of the ASME
1.25 Boiler and Pressure Vessel Code, section I, as adopted and published by ASME, Two Park
1.26 Avenue, New York, New York 10016. The ASME Code for Power Boilers is incorporated

2.1 by reference in the code for steam or heating media piping systems. The ASME Code for
2.2 Power Boilers is not subject to frequent change and a copy is available in the office of the
2.3 commissioner of labor and industry and at the State Law Library, 25 Rev. Dr. Martin Luther
2.4 King Jr. Blvd., Saint Paul, Minnesota 55155.

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

2.7 **5230.0265 ADOPTION OF ASME B31.1 BY REFERENCE.**

2.8 For purposes of this chapter, "ASME B31.1" means the ~~2012~~ 2016 edition of the
2.9 standard for power piping, as approved and published by ASME, Two Park Avenue, New
2.10 York, New York 10016. ASME B31.1 is incorporated by reference and made part of the
2.11 code for steam or heating media piping systems, except as amended in this chapter. Portions
2.12 of this chapter reproduce text from ASME B31.1. ASME B31.1 is not subject to frequent
2.13 change and a copy of ASME B31.1 is available in the office of the commissioner of labor
2.14 and industry and at the State Law Library, 25 Rev. Dr. Martin Luther King Jr. Blvd., Saint
2.15 Paul, Minnesota 55155. ASME B31.1 is copyright by ASME. All rights reserved.

2.16 **5230.0295 CHAPTER III, MATERIALS.**

2.17 Section 124 is amended by adding a subsection as follows:

2.18 ~~124.11~~ 124.13. **Furnace Butt Welded Pipe**

2.19 The use of furnace butt welded pipe is prohibited on steam or heating media piping
2.20 systems.

2.21 **5230.0305 CHAPTER VI, INSPECTION, EXAMINATION, AND TESTING.**

2.22 **Section 136.** ASME B31.1, ~~section 136 and all subsections~~ sections 136.1 to 136.3.2
2.23 are deleted.