

Date Distributed: January 20, 2016



**THE
NATIONAL
BOARD**
OF BOILER AND
PRESSURE VESSEL
INSPECTORS

**NATIONAL BOARD
SUBCOMMITTEE
PRESSURE RELIEF DEVICES**

MINUTES

Meeting of January 13, 2015
Corpus Christi, TX

These minutes are subject to approval and are for committee use only.
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The National Board of Boiler & Pressure Vessel Inspectors
1055 Crupper Avenue
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1. Call to Order

The meeting was called to order at 8:05 AM on Wednesday January 13, 2016 by Chairman Sid Cammeresi.

The following members and visitors were in attendance:

Members

Marrienne Brodeur
Kevin Simmons
Brandon Nutter
Sid Cammeresi (Chair)
Adam Renaldo
Kim Beise
David McHugh
Thomas P. Beirne, P.E.

Affiliation

International Valve & Instrument Corp.
Pentair Valves and Controls
DuPont
Furmanite America
Praxair
Dowco Valve Co., Inc.
Allied Valve, Inc.
National Board (Subcommittee Secretary)

Members Not Present

Thakor Patel
R.W. Donalson
Raymond McCaffrey
Denis DeMichael
J. Alton Cox

Farris Engineering
Pentair Valves and Controls
Quality Valve, Inc.
The Chemours Company
JAC Consulting, Inc.

Visitors

Dan Marek
Erik Heck
Bryce Hart
C. Withers
David Cox*
Joseph Ball**

Mainthia Technologies
ARI-Armaturen USA
Zurich
National Board
JAC Consulting
National Board

*Alternate for J. Alton Cox

**Conference call

2. Announcements

Mr. Cammeresi announced the reception for Wednesday and meals provided.

3. Adoption of the Agenda

The agenda dated December 21, 2016 was presented. It was moved and seconded to approve the agenda. The motion was unanimously approved.

4. Approval of Minutes of July 22, 2015

It was moved and seconded to approve the minutes of the July 2015 meeting of the Subcommittee on Pressure Relief Devices. The motion was unanimously approved.

5. Review of the Roster

a. Nominations

- Daniel Marek would like to become a member of SC Pressure Relief Devices. A vote of support was taken and was unanimous in favor of Daniel Marek joining SC Pressure Relief Devices. His appointment is on the Main Committee agenda for action.

b. Reappointments

- Mr. Brandon Nutter, Mr. Adam Renaldo, and Mr. Thakor Patel are eligible for reappointment to the Subcommittee on Pressure Relief Devices. All would like to continue their membership. The membership items are included on the main committee agenda for action.

c. Resignations

- Mr. Benjamin Anthony and Mr. Robert (Buddy) Dobbins have retired and resigned their positions on SC Pressure Relief Devices as a result of their retirement.

6. Interpretations

Item Number: IN15-1401	NBIC Location: Part 3, 5.12.2 b)	See Attachment A
General Description: Valve repair nameplate field labels		
Subgroup: N/A		
Task Group: None Assigned		
Meeting Action: A revised question and response was proposed. A motion was made and seconded. After discussion the motion was voted on and passed unanimously.		

7. Action Items

Item Number: NB11-0401	NBIC Location: TBD	No Attachment
General Description: Investigate the development of a possible fourth part of the NBIC to cover pressure relief devices		
Task Group: Entire Sub-committee		
Meeting Action: This item has been forwarded to the Main Committee for action.		

Item Number: NB12-0901	NBIC Location: Part 3	No Attachment
General Description: Prepare a guide for repair of tank vents		
Task Group: D. DeMichael (PM), K. Simmons, B. Donalson, K. Beise, B. Nutter		
Meeting Action: There are two manufacturers interested in helping with the guidelines. Task group members are still trying to recruit more. No further progress was made on this item.		

Item Number: NB13-1901	NBIC Location: TBD	No Attachment
General Description: Add a provision to the NBIC to allow for the partial disassembly and cleaning of an ASME Section XII valve without changing the set pressure adjustments and without having to do a complete VR		
Task Group: J. Ball (PM), R. McCaffrey, B. Nutter, T. Patel, D. McHugh		
Meeting Action: One manufacturer's valves were tested. Other manufacturers were determined as not having this type of valve. Task group members also determined that the one manufacturer that did make this valve also still recommended testing. Since there was very little interest and would only benefit one type of valve produced by one manufacturer, a motion was made and seconded to close this item with no action. After discussion, a vote was taken and passed unanimously.		

Item Number: NB14-0602A	NBIC Location: Part 1	No Attachment
General Description: Improve index in Part 1 relating to pressure relief devices		
Task Group: M. Broedeur (PM), S. Cammeresi, K. Beise		
Meeting Action: No additional progress was made on this item. A new project manager was assigned and K. Beise was added to the task group.		

Item Number: NB14-0602B	NBIC Location: Part 2	No Attachment
General Description: Improve index in Part 2 relating to pressure relief devices		
Task Group: D. DeMichael (PM), B. Donalson, D. Marek, B. Hart		
Meeting Action: No additional progress was made on this item. D. Marek and B. Hart were added to the task group.		

Item Number: NB14-0602C	NBIC Location: Part 3	No Attachment
General Description: Improve index in Part 2 relating to pressure relief devices		
Task Group: B. Nutter (PM), R. McCaffrey, T. Patel, K. Simmons		
Meeting Action: With the pressure relief device paragraphs being removed from Part 3, this item may end up getting closed with no action once Part 4 gets published.		

Item Number: NB14-0603	NBIC Location: Part 3, 1.7.5.4 i), 4.5	Attachment B
General Description: Review record retention requirements for pressure relief devices		
Task Group: K. Beise, A. Renaldo (PM)		
Meeting Action: Mr. Renaldo presented a proposal. A motion was made and seconded to accept the proposal. After discussion a vote was taken and passed unanimously.		

Item Number: NB15-0103	NBIC Location: Part 1, 2.9.6 c)	No Attachment
General Description: Update requirements for power boiler pressure relief valve mounting and discharge		
Task Group: R. McCaffrey (PM), J. Ball, D. Marek		
Meeting Action: No progress was made on this item.		

Item Number: NB15-0301	NBIC Location: Part 3, 4.5.2	No Attachment
General Description: Evaluate backpressure testing requirement for owner/users		
Task Group: A. Cox (PM), T. Tarbay, D. DeMichael, B. Dobbins, B. Nutter		
Meeting Action: A progress report was given by D. Cox. After brief discussion, Mr. Nutter indicated that he could not support an exemption to back pressure testing requirements citing that even if piping discharges to atmosphere, back pressure does build up. Mr. Nutter made a motion to close the item with no action. The motion was seconded. A vote was taken and received (6) affirmative and (2) negatives (Renaldo, Cox). Secretary's note: At the time, it was thought that there were not enough votes for the motion to carry. After a review of procedures, closing with no action would carry by a simple majority vote. Additional votes will be solicited from members who were not present at the meeting.		

Item Number: NB15-0304	NBIC Location: Part 3, 5.12.3	No Attachment
General Description: Review verification of manufacturer's nameplate information		
Task Group: B. Nutter (PM), S. Irvin, D. McHugh		
Meeting Action: A proposal was presented by Mr. Nutter. A motion was made and seconded to accept the proposal. After discussion a vote was taken with (7) affirmative and (1) not voting (Cox). There were not enough affirmative votes to allow the motion to carry. Additional votes will be solicited from members who were not present at the meeting.		

Item Number: NB15-0305	NBIC Location: Part 1	No Attachment
General Description: Create Guidelines for Installation of Overpressure Protection by System Design.		
Task Group: B. Nutter, A. Renaldo, D. Marek (PM)		
Meeting Action: No progress was made on this item. Project manager was changed to D. Marek		

Item Number: NB15-0307	NBIC Location: Part 3	No Attachment
General Description: Create Guidelines for Repair of Pin Devices.		
Task Group: D. McHugh (PM), J. Satterthwaite		
Meeting Action: Mr. McHugh received some repair guidelines from one pin device manufacturer and is trying to get input from a few more manufacturers. Mr. McHugh is still working on getting input from other manufacturers.		

Item Number: NB15-0308	NBIC Location: Part 1	No Attachment
General Description: - Create Guidelines for Installation of Pressure Relief Devices for Organic Fluid Vaporizers.		
Task Group: T. Patel (PM), K. Beise, B. Dobbins, B. Nutter		
Meeting Action: No progress was made on this item.		

Item Number: NB15-0310	NBIC Location: Part 3, 1.7.5.4	No Attachment
General Description: Give Guidance as to Which Spring Chart Should be used in Repairs.		
Task Group: A. Cox (PM), B. Nutter, M. Brodeur, T. Patel, K. Simmons, R. McCaffrey		
Meeting Action: No progress was made on this item.		

Item Number: NB15-0312	NBIC Location: Part 2, 2.57 and 2.5.8	No Attachment
General Description: Re-evaluate T&P Valve Inspection Requirements Based on Robert Boiko Presentation.		
Task Group: R. Boiko, B. Anthony, J. Ball (PM), A. Cox, A. Renaldo		
Meeting Action: No progress was made on this item.		

Item Number: NB15-0314	NBIC Location: Part 1, 3.9.4.2	No Attachment
General Description: Review of Y-Base or Valve less Headers for Use in T&P Valve Installations.		
Task Group: D. McHugh (PM), B. Nutter, and D. Marek		
Meeting Action: Project manager changed to D. McHugh. B. Nutter and D. Marek were added to task group. A proposal was presented by Mr. Nutter. A motion was made and seconded to accept the proposal. After discussion, the motion was withdrawn for further task group work and to possibly expand the scope of the item.		

Item Number: NB15-0315	NBIC Location: Part 1, 4.5.6 and 5.3.6	No Attachment
General Description: Review isolation Valve Requirements.		
Task Group: D. DeMichael (PM), B. Nutter, A. Renaldo, D. Marek		
Meeting Action: A draft proposal was presented by Mr. Renaldo as a progress report. D. Marek was added to task group.		

Item Number: NB15-0321	NBIC Location: Part 2, 2.5.7 a)	No Attachment
General Description: Review testing requirements for inservice testing of pressure relief devices		
Task Group: A. Cox (PM), A. Renaldo, J. Satterthwaite		
Meeting Action: A letter ballot was voted on between meetings. It received two negatives. A revised proposal will be submitted to address the negatives.		

Item Number: NB15-0324	NBIC Location: None	No Attachment
General Description: Create Guidelines for Inspection and Testing Frequencies with respect to shelf life and storage of pressure relief valves.		
Task Group: A. Rendaldo (PM), B. Nutter, K. Simmons, D. Marek		
Meeting Action: A task group was formed to work on this item resulting from IN15-0301.		

Item Number: NB15-1004	NBIC Location: All	No Attachment
General Description: Update “stamp” vs. “certification” language to maintain consistency with ASME code		
Task Group: B. Nutter (PM), T. Beirne		
Meeting Action: A proposal was presented by C. Withers. A motion was made and seconded to accept the proposal. A vote was taken and the motion passed unanimously.		

Item Number: NB15-2401	NBIC Location: Part 3, 4.5.2	No Attachment
General Description: Steam set on air by non-owner-user.		
Task Group: R. Donalson (PM), T. Patel, J.A. Cox		
Meeting Action: No progress was made on this item. J. A. Cox was added to the task group.		

Item Number: NB15-3201	NBIC Location: Part 2, S8.2	No Attachment
General Description: Address pressure calculations in Part 2, S8.2		
Task Group: A. Renaldo (PM)		
Meeting Action: Adam Renaldo was assigned the project manager to work on this item.		

8. New Business

There were no new action items taken out during this meeting.

9. Future Meetings

July 20, 2016 – Columbus, Ohio

January 11, 2017 – San Diego, California

10. Adjournment

A motion was made, seconded, voted on, and unanimously passed to adjourn the meeting at approximately 5:05 PM

Respectfully Submitted,

Thomas P. Beirne, P.E.

Secretary, NBIC Subcommittee Pressure Relief Devices

pc: D. Douin

D. Cook

B. Besserman

Interpretation IN15-1401

Proposed Interpretation

Inquiry:	IN15-1401
Source:	Mark Driver
Subject:	Valve Repair Nameplate Field Labels
Edition:	2015
Question 1:	<p>When a pressure relief valve is repaired and capacity and capacity units (para 5.12.2b6) are not changed from the original manufacturers stamping or nameplate, are blank headings for capacity and capacity units required on the valve repair nameplate?</p> <p>When a pressure relief valve is repaired and the type/model number (para 5.12.2b7) are not changed from the original manufacturer's stamping or nameplate, are blank headings for type/model number required on the valve repair nameplate?</p>
Reply 1:	No
Committee's Question:	When a pressure relief valve is repaired, are field labels for type/model number, capacity, CDTP, and/or BP required on the repair nameplate if the values are not changed from the original manufacturer's nameplate or stamping?
Committee's Reply:	No
Rationale:	
SC Vote	(8) In favor (unanimous)
NBIC Vote	

NB-14-0603 AMR proposed edits
Rev 1
1-13-15

Edits to Part 3...

Table 1.6.1

Change table number from “~~Table-Figure 1.6.5.1~~” to “~~Table 1.6.1(t)~~” incase we ever want to add another table to Section 1.6.1. For example, if we wanted to add a table to 1.6.1(j), we would need a table naming convention that could accommodate. The proposed edit does accommodate multiple tables in the same section.

1.7.5.4

i) Repair and Inspection Program

The repair and inspection program section shall include reference to a document (such as a report, traveler, or checklist) that outlines the specific repair and inspection procedures used in the repair of pressure relief valves. Repair procedures shall require verification that the critical parts meet the valve manufacturer’s specification. NBIC Part 3, S7.14 outlines recommended procedures covering some specific items.

~~Provisions shall be made to retain this document for a period of at least five years.~~

This document shall be retained in accordance with Table 1.7.5.4(s).

4.5.1(b)

2) Prior to use, all performance testing equipment shall be qualified by the certificate holder to ensure that the equipment and testing procedures will provide accurate results when used within the ranges established for that equipment. This qualification may be accomplished by benchmark testing, comparisons to equipment used for verification testing as specified in the quality system, or comparisons to field performance. This qualification shall be documented. Documentation of this qualification shall be retained in accordance with Table 1.7.5.4(s).

~~and provisions made to~~

~~retain such documentation for a period of at least five years after the testing equipment is retired.~~

Documentation of this qualification shall include, but not be limited to:

4.5.3

c) Prior to use, all lift assist devices shall be qualified by the certificate holder to ensure that the equipment and testing procedures will provide accurate results when used within the ranges established for that equipment used for verification testing as specified in the quality system or comparisons to field performance. This qualification shall be documented and provisions made to retain such documentation ~~for a period of at least five years after the lift assist device is retired~~in accordance with Table 1.7.5.4(s). Documentation of this qualification shall

include but not be limited to:

New section in Part 3...

1.7.5.4

s) Records Retention

The quality manual shall describe a system for filing, maintaining, and easily retrieving records supporting or substantiating the administration of the Quality System within the scope of the “VR” *Certificate of Authorization*.

- 1) Records may represent any information used to further substantiate the statements used to describe the scope of work completed to a pressure-retaining item (PRI), and documented on a Form “R” report.
- 2) Records include, but are not limited to, those depicting or calculating an acceptable design, material compliance or certifications, NDE-reports, PWHT-charts, a WPS used, a welder, bonder, or cementing technician’s process continuity records, drawings, sketches, or photographs.
- 3) The record retention schedule described in the Quality System Manual is to follow the instructions identified in NBIC Part 3, Table 1.6.1.

Table 1.7.5.4(s)

Reports, Records, or Documents for “VR” Certificate Holders	Instructions	Minimum Retention Period
Form “R” reports associated with a pressure relief valve that required welding as part of the repair	Record retention shall be in accordance with Table 1.6.1(t)	Refer to Table 1.6.1(t)
a) Record of repair or inspection	The repair and inspection program section shall include reference to a document (such as a report, traveler, or checklist) that outlines the specific repair and inspection procedures used in the repair of pressure relief valves.	5 years
b) Records related to equipment qualification and instrument calibration	Prior to use, all performance testing equipment shall be qualified by the certificate holder to ensure that the equipment and testing procedures will provide accurate results when used within the ranges established for that equipment. This qualification may be accomplished by benchmark testing, comparisons to equipment used for verification testing as specified in the quality system, or comparisons to field performance.	5 years after the subject piece of equipment or instrument is retired.
c) Record of lift assist device qualification	Prior to use, all lift assist devices shall be qualified by the certificate holder to ensure that the equipment and testing procedures will provide accurate results when used within the ranges established for that equipment used for verification testing as specified in the quality system or comparisons to field performance. This qualification shall be documented.	5 years after the lift assist device is retired.
d) Records of employee training and qualification	Each repair organization shall establish minimum qualification requirements for those positions within the organization as they	5 years after termination of employment.

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	directly relate to pressure relief valve repair. Each repair organization shall document the evaluation and acceptance of an individual's qualification for the applicable position.	