

Date Distributed: February 11, 2010



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

NATIONAL BOARD SUBCOMMITTEE ON PRESSURE RELIEF DEVICES

MINUTES

Meeting of January 20, 2010
Austin, Texas

These minutes are subject to approval and are for committee use only. They are not to be duplicated or quoted for other than committee use.

The National Board of Boiler & Pressure Vessel Inspectors
1055 Crupper Ave.
Columbus OH 43229
Phone: (614) 888-8320
FAX: (614) 848-3474

COMMITTEE CORRESPONDENCE

1. CALL TO ORDER

The meeting was called to order at 8:00 a.m. on Wednesday, January 20, 2010 by chair Mr. Frank Hart.

The following members and guests were in attendance:

Members

Frank Hart
R. W. Donalson
J. Alton Cox
Marianne Brodeur
Raymond McCaffrey
Kevin Simmons
J. F. Ball

Affiliation

Furmanite America
Tyco Valves and Controls
Deluca Test Equipment
International Valve & Instrument Corp.
Quality Valve Inc.
Alternate for Sid Cammeresi, Furmanite America
National Board, (Subcommittee Secretary)

Members Not Present

Thakor Patel
Kevin Fitzsimmons
Denis DeMichael

Farris Engineering
Carter Chambers, LLC
DuPont

Visitors

Robert "Buddy" Dobbins

Affiliation

Zurich Services Corp.

2. ANNOUNCEMENTS

Other meetings scheduled during the week and the NBIC reception were announced.

3. ADOPTION OF THE AGENDA

The agenda dated December 15, 2009, was presented for approval. Two items were requested to be added to the agenda.

- A. NB07-0912: Pressure Relief Device Inspection Guide
- B. Discussion Item: Information received from Executive Committee

There was a motion to adopt the agenda as amended. The motion was unanimously approved.

4. REVIEW OF MINUTES

There was a motion to approve the minutes of the July 22, 2009 meeting of the Subcommittee on Pressure Relief Devices. The motion was unanimously approved.

5. REVIEW OF THE ROSTER

The following items were discussed during a review of the subcommittee roster.

1. Mr. Kevin Fitzsimmons has advised the subcommittee that he has resigned his committee membership. See page A1 of the minutes for his resignation letter.
2. There was a motion to recommend that Mr. Thakor Patel's subcommittee membership be renewed. The motion was unanimously approved.
3. There was a motion to approve Mr. Kevin Simmons for membership to the subcommittee, representing the interest category of National Board certificate holders. The motion was unanimously approved.
4. There was a motion to approve Mr. Robert "Buddy" Dobbins for membership in the subcommittee, representing the interest category of Inspection Agencies. The motion was unanimously approved.

The reappointment of Mr. Patel, and approval for membership for Mr. Simmons and Mr. Dobbins are forwarded to the NBIC Main Committee for approval. The resume for Mr. Simmons is attached as pages A2, A3 and Mr. Dobbins is attached as pages A4 – A6 of the minutes.

6, **INTERPRETATIONS**

A. Inquiry No.: IN10-0101

This item concerns the application of change-over valves for use on boilers as covered by ASME Code Case 2254.

Source: Chuck Easterbrooks, Hess Corp.

Subject: Part 1, 2.9.5.1 c)

Edition: 2007 Edition, 2008 addenda

Inquirer's Questions and Replies

See page A7 of the minutes.

Committee's Question

Question: Is a change-over valve as specified in ASME Code Case-2254 permitted for use between a boiler and the required pressure relief valve?

Answer: Yes, provided the change-over valve meets the requirements of ASME Code Case 2254 and NBIC, Part 2, paragraph 2.5.4 i), and is acceptable to the jurisdiction.

Rationale: The use of change-over valves is addressed as an item to be reviewed during an in-service inspection; however it is not specifically addressed as an item that can be included in a boiler installation. Acceptance by the Jurisdiction is called out because of the need for specific acceptance when ASME Code Cases are used.

Subcommittee Vote: Unanimously approved.

This will be forwarded to the NBIC committee for approval.

Based upon the discussions concerning this item, the SC-PRD requests the addition of a new business item to address the installation and use of change-over valves in NBIC Part 1.

7. **PUBLIC REVIEW COMMENTS**

There were no public review comments.

8. **ACTION ITEMS**

A. NB06-0101: Part 3 S7.5 b), Source of Specifications for Replacement parts

The item concerns requirements for the source of specifications for replacement parts, and other issues concerning the source of those parts. The task group of Brodeur (Chair), Patel, Cammerisi, Nutter, Tannis, Syed, McCaffery is working on this item. The task group chair reported on the background on the issue and the difficulties of getting agreement on the issues involved under this item. Because of the past discussions and lack of consensus on the proposals that had been made, it was recommended that the item be closed without further action.

There was a motion to close this item without any changes being made to the NBIC. A vote was taken and the action was approved with 5 in favor and one opposed (Mr. Donalson).

This result of this action will be forwarded to the Main Committee for acceptance.

B. NB07-1301, Part 3, S7.5: Quality Control Systems for Replacement Parts

This item concerns requirements for the quality control for the manufacturing of parts. A task group of Cox (Chair), DeMichael, Patel, Simmons, and Fitzsimmons was been appointed to review this item. Mr. Cox reported for the task group and indicated that group had been waiting for action on NB06-0101 before continuing with the issues under this item.

He commented that a previous action had been prepared recommending that replacement parts that were fabricated by the valve manufacturer should be made to their quality system. It was commented that it was generally assumed that parts made by a ASME Code stamp holding manufacturer would be made under the same quality system that was used to build complete valves. Suggestions for additions to the NBIC addressing other types of organizations had been removed from previous drafts developed for this item.

Mr. Cox suggested that because the proposed NBIC change was mostly covered by the actual practice in the industry that there was little to be gained by approving it and therefore recommended that the item be closed without further action.

There was a motion to close the item without further action. The motion was unanimously approved. The result of this action will be forwarded to the Main Committee for acceptance.

C. NB07-0912: Pressure Relief Device Inspection Guide

The secretary reported that comments received from SC-PRD at the last meeting concerning the Pressure Relief Inspection Guide which was being reviewed by the sub-committee on Inspection had been transmitted back to the task group working on that item. This item will continue to be reviewed by the task group in the inspection subcommittee.

8. New Business

Discussion Item: The chair reported on actions under review by the NBIC executive committee. These include the following possible items which could affect the subcommittee on Pressure Relief Devices.

1. The development of a possible fourth part of the NBIC, to cover pressure relief topics. A table of contents will be generated to see what topics could be included in this document. There was a discussion on items that perhaps should be included in the new possible part 4, and elsewhere in the current parts.
2. A look will be taken at how supplements are being used in the document, and consideration taken to incorporation of the supplements into the main body of the books.
3. There will be consideration to removing accreditation requirements and including them in separate documents.

10. NEXT MEETING

The next meeting of the NBIC committee and subcommittees will be held in Columbus, Ohio during the week of July 19, 2010. The Subcommittee meeting should be on July 21, 2010.

11. ADJOURNMENT - The meeting adjourned at approximately 11:45 AM.

Respectfully Submitted,

Joseph F. Ball, P.E.
Secretary, NBIC Subcommittee Pressure Relief Devices

pc: D. Douin
T. Parks
R. Hough

Attachments: Pages A1 through A7

File: NBIC Subcommittee PRD 1-10 minutes.doc



January 19, 2010

Mr. Frank Hart
Chairman – National Board Inspection Code Subcommittee on Pressure Relief Devices

Dear Mr. Hart:

I regret to inform you that based on recent changes in our company I must submit my resignation from the National Board Inspection Code Subcommittee on Pressure Relief Devices.

The various committees of the National Board provide an invaluable service producing the code, which helps protect the pressurized systems used throughout our society. Thank you for the opportunity to serve on this committee.

Sincerely,

Kevin Fitzsimmons, P.E.
Vice President of Operations
Carter Chambers, LLC

6800 South Choctaw Drive,
Baton rouge, Louisiana 70806
Phone 225-926-2236 Fax 225-926-1289

Kevin L. Simmons
3315 Stoney Mist Drive
Sugar Land, Texas 77479
Home: 281/265-4704
Office: 713/671-4708
Cell: 281/797-6676
ksimmons@craneenergy.com

SUMMARY OF QUALIFICATIONS

PROFESSIONAL EXPERIENCE

CRANE ENERGY, Houston, TX

Present

Major manufacturer of Engineered Valves. Houston location is central point for valves services and holds VR certificate#1. Scope includes Sections I and VIII, steam/air/liquid, machining/welding/NDE, field and shop.

General Manager

- Responsible for total operations at facility

TYCO VALVES AND CONTROLS, Stafford TX

2005 – 2009

World's largest manufacturer of Pressure Relief and other Engineered Valves. Stafford facility is global center of excellence for Anderson Greenwood, Crosby, VAREC and Yarway products. (V/UV Certified)

Aftermarket Manager

Led marketing, commercial and technical support efforts for North American network of repair and distribution centers. Conducted training and auditing for field repair and assembly locations.

- Developed technician training program
- Developed on-line tools for tracking inventory and customer referrals
- Served on three NBBI task groups related to specifications for repair parts
- Managed factory technical service department, 2005-2007 (VR Certificate holder)
- Member of leadership team, Americas Service Group

DALE PRENTICE COMPANY, Oak Park MI

2001 – 2005

Major Regional provider of engineered solutions to the process and commercial sectors. Distributor and Representative for major product lines including TYCO Valve and Controls, Fike Metal Products, TYCO Thermal Products, and AERCO boilers. Subsidiary companies VRC and Riley VR/V/UV certified

Manager, Sales and Technical Services

- Reorganized outside and inside sales groups into one combined sales effort
- Established compensation programs to support corporate growth goals
- Successfully negotiated multi year agreement with major process customer providing on-site repair services (PRV) and product
- Improved relations with principal manufacturers by coordinating efforts with factory and regional managers
- Established innovative value added sales approach to key customers resulting in substantial growth in revenues
- Achieved double digit revenue growth

ANDERSON GREENWOOD / CROSBY VALVE, Wrentham, MA **1995 – 2001**
Market leading manufacturer of safety relief valves and pressure management products. A TYCO Intl. Flow Control Company formerly a FMC Corporation Subsidiary. (V/UV/VR/NR-VR)

Western Hemisphere Aftermarket Manager

Managed direct Field Service and Training Department.

- Developed new channel of distribution for aftermarket products, resulting in 100% increase in aftermarket sales in a three year period. (V/UV/VR Certified)
- Introduced asset management concepts and programs to key accounts
- Doubled the quantity of North American distribution locations
- Created Distributor Advisory Council
- Represented sales division on Global Supply Management Cross Functional Team
- Board of Directors, Valve Repair Council of the Valve Manufacturers of America

DARTER INC., University Park, IL **1992 – 1995**
Regional distributor of maintenance, repair and operating supplies to key accounts in north central Illinois and northwestern Indiana.

Manager of Customer Services, Materials and Quality Systems

Managed Inside Sales, Specialty Sourcing and Procurement Groups.

BELLISS AND MORCOM (USA), INC., West Chicago, IL **1989 – 1992**
Division of Rolls-Royce Industrial Power Group, specializing in the manufacture and sale of reciprocating air and gas compressors.

North American Aftermarket Manager

Directed Service Manager, Aftermarket Sales Manager, customer service and warehouse staff activities

INGERSOLL/DRESSER-RAND CO., Elmhurst, IL **1981 – 1989**
Manufacturer of industrial turbines, process compressors and centrifugal machinery.

Regional Order Entry Supervisor

Directed up to eleven customer service representatives responsible for data entry, quotations, expediting and sales support for replacement parts and services

Repair Center Shop Manager

Assisted repair center manager in daily operation of repair facility specializing in the repair of pumps, turbines and compressors.

Parts and Repair Sales Representative

Sold replacement parts and repair services to end-users in Midwest sales territory.

EDUCATION

BS General Management, Purdue University

Resume for ROBERT "BUDDY" DOBBINS

565 Dennis Reinhardt Rd. Lincolnton, NC 28092
Evening (704) 735-1932 • Daytime (704) 748-1641 • Mobile (704) 517-2845

PROFESSIONAL EXPERIENCE

Zurich Services Corporation, Schaumburg, IL

June 2000-Present

Line of Business Director – Boiler and Machinery (09/07-Present)

- Is the liaison with the underwriting department for risk evaluation and assessment;
- Provides safety consultant services and technical support to customers;
- Responsible for identifying exposures with significant loss potential, investigation of cause/effect of major losses and hazard/safety management programs;
- Ensure successful implementation of key technical initiatives by consulting with executives and other leaders to gain their commitment and improve their business effectiveness;
- Diagnose and develop recommendations to solve complex, ambiguous problems;
- Investigate, recommend and deliver high quality, strategic technical solutions and ensure post-implementation project review;

Regional Manager, Risk Engineering – Boiler and Machinery (03/03-09/07)

- Supervised a team of up to 25 full-time and contract employees and performs HR functions including recruiting, hiring, training, performance counseling, rightsizing, organizational development, critical staffing and terminations (Current staff comprised of 12 full-time and 2 contract employees);
- Managed the initiation and progression of special projects as assigned by Segment Director;
- Responsible for both sales and account management in assigned region, providing full range of risk management;
- Developed and cultivated relationships with Jurisdictional Chief Inspectors in my assigned region to cultivate an atmosphere of mutual respect and cooperation between state authorities and Zurich Boiler and Machinery personnel;

Senior Risk Engineering Consultant (06/00-03/03)

- Assigned large areas of several states in the Southeast US to inspect boilers and pressure vessels for renewal of required, state and local government operating certificates;
- Account Coordination work for National and Global Property & Boiler and Boiler Monoline insurance accounts, acting as liaison between account Risk Managers and Zurich Underwriters and helping to provide full range of risk management;
- Investigate and determine cause of boiler- and machinery-related accidents and losses, assisting Claims department in determining amount of claim to reimburse while providing loss control efforts and ideas to affected clientele;
- Sales of fee-based services to global and national accounts for inspection services under the Zurich Services Contracts program;
- Loss Control Specialist in Textiles, Wood and Furniture Products, Chemicals, Food Production based on industry experience and previous loss control training.

Hartford Steam Boiler Inspection and Insurance, Hartford, CT

04/99-06/00

Regional Engineering Supervisor

- Supervised a team of up to 10 full-time employees in North and South Carolina and performed HR functions including recruiting, hiring, training, performance counseling, rightsizing, organizational development, critical staffing and terminations.
- Responsible for both sales and account management in assigned region, providing full range of Authorized Inspection Agency services to organizations that installed, repaired, and altered boilers and pressure vessels;
- Authorized Inspector and Authorized Inspector Supervisor that assisted clients in preparing for National and state audits and renewal of National Board Certifications.

Enpro, Inc., Channelview, TX

10/98-04/99

Quality Control Manager

- Managed all aspects of meeting American Society of Mechanical Engineers (ASME) requirements in the design, fabrication, inspection, testing, and shipment of fired and unfired pressure vessels used primarily in the petrochemical industry;
- Managed all aspects of the shop welding and Nondestructive Testing programs including qualification of welding and NDE procedures, NDE Examiners, and Certified Welders to meet ASME and National Board Inspection Code; Instituted and used the first computer tracking program for these procedures used in this shop;
- Assisted Engineering, Sales, and Fabrication departments in controlling cost of materials, labor, and testing thus maximizing company profits;

Kemper Insurance Company, Long Grove, IL

03/90-10/98

Regional Manager, Boiler and Machinery, Houston, TX (07/97-10/98)

- Supervised a team of up to 15 full-time employees in the Central United States and performed HR functions including recruiting, hiring, training, performance counseling, rightsizing, organizational development, critical staffing and terminations.
- Managed the initiation and progression of special projects as assigned by Regional Director;
- Responsible for both sales and account management in assigned region, providing full range of Authorized Inspection Agency services to clients requiring loss control and claims services as well as organizations that installed, repaired, and altered boilers and pressure vessels;
- Authorized Inspector and Authorized Inspector Supervisor that prepared clients for National and state audits and renewal of National Board Certifications (Required for them to perform the work they advertised).

Senior Loss Control Consultant/Authorized Inspector, Lincolnton, NC (03/90 – 07/97)

- 5 Years as an Authorized Inspector for a full-time ASME Code Fabrication Shop. Inspected and approved all aspects of the design, fabrication, and testing of unfired and fired pressure vessels to the requirements of the ASME and National Board Inspection Codes;
- 2 years as a Loss Control Consultant in western North Carolina, responsible for inspections and account management providing full range of Authorized Inspection Agency services to organizations that operated, installed, repaired, tested, and altered boilers and pressure vessels;
- Provided inspections required by the surrounding jurisdictions for the operation of high- and low-pressure boilers and pressure vessels.

EDUCATION AND TRAINING

- Bachelor's of Science – Liberal Arts – University of the State of NY – July, 1995
- Specialized Training: National Board Commissioned Inspector (NB10523) – June, 1987 - Present; Have held State Inspector Commissions in NY, NJ, VA, NC, SC, GA, TN, FL, AL, TX, LA, OK.
- Various courses in Management and Supervisory Training with Kemper Insurance Cos., HSBI&I Co., and Zurich Insurance Co.
- Qualified Nuclear Mechanical Operator – US Navy – April, 1980; Later serving on the USS Carl Vinson (CVN-70) followed by Qualification as Training Petty Officer at the US Navy Prototype in Ballston Spa, NY. Honorably Discharged August, 1987

REFERENCES

Ken Leavelle
Vice President, National Services
Zurich Services Corp.
1400 American Lane
Schaumburg, IL 60196
Phone (847) 605-6131
Cell (847) 921-1773

Cass Kuhlke
Senior Vice President, Prop. Blr. & Mach.
Zurich Global Corporate
3003 Summit Blvd.
Atlanta, GA 30319
Phone (404) 851-3324
Cell (404)-210-2716

Pat Dunphy
Regional Manager – Risk Eng. – B&M
Zurich Services Corp.
8257 Brittany Lane
Pittsburgh, PA
Phone (412) 364-9607
Cell (412) 491-1552

Tom Coll
Manager – RE – Business Technology
Zurich Services Corp
1400 American Ln.
Schaumburg, IL 60196
Phone (847) 330-4395

RE: Inquiry
Easterbrooks, Chuck
to:
RHough
11/25/2009 01:21 AM
Show Details

History: This message has been forwarded.
Mrs. Hough,

Sorry for the delay in the response. I hope this satisfies your request. If you have any questions or further clarifications need to be made, please let me know so that I may assist

Question 1:

Is a Changeover valve as specified in ASME Code Case 2254 allowed for use between the boiler and the required safety relief valve if all of the conditions of Code Case 2254 have been met?

Answer: Yes

Justification: 2008 NBIC Part 1, Section 2, 2.9.5.1 (c) states "No valve of any description should be placed between the safety or safety relief valves and the boiler" and as defined in the Introduction of the Code: "Should – indicates a preferred but not mandatory means to accomplish the requirement unless specified by others such as the Jurisdiction"

Question 2:

Does the National Board Inspection Code Committee have any plans to adopt the ASME Code Case 2254 and revise the requirements of NBIC Part 1 Section 2.9.5.1 (C) such that allowance would be made for the use of "Changeover" valves if the MAWP of the boiler was 800 psig or below and all of the conditions set forth in the ASME Code Case have been met?

Answer: Yes

Justification: The Committee (NBIC), while remaining consistent with the intended purpose of the Code as outlined in the Forward "It is organized for the purpose of promoting greater safety to life and property by securing concerted action and maintaining uniformity in post-construction activities of pressure-retaining items, thereby ensuring acceptance and interchangeability among jurisdictional authorities responsible for the administration and enforcement of various codes and standards" and "The general philosophy underlying the NBIC is to parallel those provisions of the original code of construction, as they can be applied to post-construction activities", recognizes that certain NBIC States (i.e. California) have accepted the use of "Changeover" valves as specified in ASME Code Case 2254 or they have written into their States Boiler Laws (multiple States) to adopt the latest ASME Code Cases and that the Code Case will allow an owner, operator, or owner-operator the ability to switch out a malfunctioning safety or safety relief valve without a complete boiler shutdown and system depressure while maintaining the uninterrupted safety relief protection, thus increasing the safe reliability of the boiler while decreasing the risk to personnel and property associated with shutdown and start-up operations.

Chuck Easterbrooks

QA/QC Supervisor
Hess Corp.
Seminole, TX
(432) 758-8649 office
(432) 209-1086 cell

