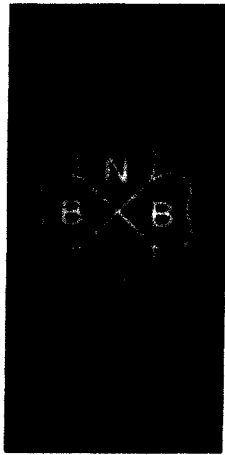


Date Distributed: February 10, 2010



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

NATIONAL BOARD INSPECTION CODE COMMITTEE

MINUTES

*Meeting of January 21, 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 Avenue
Columbus, Ohio 43229-1183
Phone: (614)888-8320
FAX: (614)847-1828

1. Call to Order - 8:00 a.m.

Chairman Terry Parks called the meeting to order at 8:00 a.m.

2. Introduction of Members/Visitors

A roster sheet was passed around for members and visitors to sign.

3. Announcements

- a. Mr. Parks explained that the Chief Boiler Inspector of Texas, Anthony Jones was unable to attend due to time constraints.
- b. Mr. David Douin, National Board Executive Director, presented pins to George Galanes, Ray Snyder and Don Cook for their years of service with the National Board Inspection Code Main Committee.
- c. Mr. Parks announced the luncheon that the National Board was hosting for the NBIC Committee members and visitors at 11:30 in the hotel atrium.

4. Adoption of the Agenda

Several additions were made to the Agenda:

- Action item NB10-0901 for the approval of the 2010 Addendum,
- The approval of the appointment of Mr. Mark Ray to the SG on Locomotive Boilers,
- The approval of the appointment of Buddy Dobbins and Kevin Simmons and the reappointment of Thakor Patel to the SC on PRD,
- Action item NB10-0801 to the SC on Repairs and Alterations.

There was a motion to approve the agenda as modified. The motion was unanimously approved.

5. Approval of the Minutes of July 2009 Meeting

There was a motion to adopt the minutes of the meeting of July 2009. The motion was unanimously approved.

6. Review of Rosters/Resignations/Nominations/Reappointments (Attachment 1)

a. Changes to rosters

There was a motion to recommend the appointment of Mr. Buddy Dobbins to the SC on PRD, pending approval of the Chairman on the BOT. The motion was unanimously approved.

There was a motion to recommend the appointment of Mr. Kevin Simmons to the SC on PRD, pending approval of the Chairman of the BOT. The motion was unanimously approved.

There was a motion to reappoint Mr. Thakor Patel to the SC on PRD pending approval of the Chairman of the BOT. The motion was unanimously approved.

There was a motion to recommend the appointment of Mr. G. Mark Ray to the SG on Locomotives, pending approval of the Chairman of the BOT. The motion was unanimously approved.

b. Resignations

Mr. Allan Platt has retired from his position as Chief of the State of Connecticut therefore resigning from all committee participation.

Mr. Kevin Fitzsimmons has resigned from the SC on Pressure Relief Devices.

c. Nominations and reappointments for NBIC Committee members

Mr. Neil Titer, Mr. Steve Bacon and Mr. Mike Richards were all eligible for reappointment to the NBIC Committee.

There was a motion to re-appoint Mr. Neil Titer to the NBIC Main Committee for an additional three year term pending approval of the Chairman of the Board of Trustees. The motion was unanimously approved.

There was a motion to re-appoint Mr. Steve Bacon to the NBIC Main Committee for an additional three year term pending approval of the Chairman of the Board of Trustees. The motion was unanimously approved.

There was a motion to re-appoint Mr. Mike Richards to the NBIC Main Committee for an additional three year term pending approval of the Chairman of the Board of Trustees. The motion was unanimously approved.

7. Report of Subcommittees

a. Subcommittee on PRD (Attachment 2)

Charge: To develop new rules, revise, interpret and maintain existing rules which address administrative and technical requirements for installation, inspection and repairs of pressure relief devices.

Membership: Frank Hart (Chair), Marianne Brodeur, Sid Cammeresi, Alton Cox, Denis DeMichael, Robert Dobbins, Robert Donalson, Kevin Simmons, Thakor Patel, Raymond McCaffrey and Joe Ball (Secretary).

F. Hart reported on the following:

1) Inquiries (Attachment 2, pgs. 1-2)

IN10-0101 Proposed Question 1: Is a “changeover” valve as specified in ASME Code Case 2254 allowed for use between the boiler and the required safety valve if all conditions of Code Case 2254 have been met? **Proposed Question 2:** Does the National Board Inspection Code Committee have any plans to adopt the ASME Code Case 2254 and revised 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?

Committee’s 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?

Committee's Reply: Yes, provided the change-over valve meets the requirements of ASME Code Case 2254 and NBIC, Part 2 2.5.4 i) and is acceptable to the Jurisdiction.

Mr. Hart proposed the above question and reply along with opening a new action item to address this issue further. There was a motion to accept the Committee's question and reply. The motion was approved with one abstention from Bob Wielgoszinski.

2) Public Review Comments for 2010 Addendum Cycle A

There were no public review comments for this subcommittee.

3) Action Items

NB06-0101 Part 3 S7.5 (b) SC on PRD This item concerns a proposed revision to paragraph Part 3 S7.5 b) of the NBIC to revise requirements relating to the source of specifications for replacement parts. A proposal was made to the SC on R and A and it failed. It was sent back to the task group for more work. A task group of M. Brodeur (Chair), A. Tannis, S. Cammerisi, B. Nutter, A. Syed, J. Richardson, T. Patel, K. Simmons and R. McCaffrey is assigned. (No Attachment)

There was a motion to close this item with no action taken. The motion was unanimously approved.

NB07-1301 Part 3 3.2.2 SC on PRD Quality control systems for replacement parts. This item addresses requirements for the manufacturing and quality control for replacement parts to be used for pressure relief valve. A task group of A. Cox (Chair), D. DeMichael, T. Patel, K. Simmons and K. Fitzsimmons has been assigned. (No Attachment)

There was a motion to close this item with no action taken. The motion was unanimously approved.

b. Subcommittee on Installation (Attachment 3)

Charge: Responsible for developing new rules, revising, interpreting and maintaining existing rules which address administrative and technical requirements for installing pressure retaining items. This subcommittee also directs, supports, reviews and approves any items forwarded by each subgroup functioning under this subcommittee.

Membership: Michael Richards (Chair), Paul Bourgeois, Geoff Halley, Craig Hopkins, Stan Konopacki, Brian Moore, Gary Scribner, Raymond Snyder, Ron Sulzer Neil Titer, Jim Yagen, James McGimpsey (Secretary).

M. Richards reported on the following:

1) Inquiries

There were no inquiries submitted for this subcommittee.

2) Public Review Comments for 2010 Addendum Cycle A

There were no public review comments for this subcommittee.

3) Action Items

NB06-0306 Part 1 3.8.3.1 SG on Boilers Address combustion controls for fired boilers. Reference action item NB02-2502. CSD-1 and Section IV are working jointly on controls and safety devices. There were plans to publish in 2008. A task group of B. Moore has been assigned. (No Attachment)

Mr. Moore's alternate, Mr. Bob Cate gave a progress report. He stated that there should be more information by April of this year and Mr. Moore should have a report ready for the July 2010 meeting.

NB07-1208 Part 1 Glossary (SG Boilers and PVP) Expand on the glossary for Part 1 Installation. A task group of C. Hopkins (Chair), P. Bourgeois, B. Moore and R. Snyder has been assigned. (No Attachment)

Mr. Gary Scribner gave a progress report stating that they planned to add definitions for all types of boilers.

NB08-0320 Part 1 Installation 4.3 SG on Boilers Add a new paragraph in 4.3 General Requirements to address change of service for a pressure vessel. These requirements should caution installers, inspectors, owners, and jurisdictional authorities of the inherent dangers involved when changing service. A new supplement should be added to address the specific requirements for installation of pressure vessels that are being converted from one service to another. (No Attachment)

Mr. Bob Wielgoszinski gave a progress report. There was a meeting of the task group and it was very productive. Mr. Wielgoszinski stated that there should be a report ready for the July 2010 meeting.

NB08-2101 Part 1 Installation SG on Boilers CSD-1 does not address solid fuel firing and it would be appropriate for the NBIC to look into it. A task group of G. Halley (Chair), M. Richards, D. Pranghoffer and B. Moore has been assigned. (No Attachment)

Mr. Halley gave a progress report. He stated that he is seeking guidance from other companies and he hopes that by the July 2010 meeting he will have a proposal ready.

NB09-0204 Part 1 SG on Boilers Address water heaters other than fired storage units.

Mr. Gary Scribner gave a progress report. He hopes to have something ready for the July 2010 meeting.

NB09-0501 Part 1 SG on PVP Add the appropriate rules to Part 1 to ensure that Installation rules address the same requirements for pressure vessels and controls as will later be required for Inservice Inspection. (No Attachment)

Mr. Scribner gave a progress report. He will continue to work on this item.

NB09-0601 Part 1 2.2 SG on PVP This action item is a result of PR07-2102 which led to NB07-1212. Change the definition of power boilers to exclude thermal fluid heaters. A task group of G. Scribner, P. Bourgeois and R. Sulzer has been assigned. (Attachment 3, pg. 1)

Mr. Richards reported with a handout of revised wording. There was a motion to approve the wording. After some discussion and modifications to the wording the motion was unanimously

approved.

NB10-0201 Part 1 S3 Expand the section on installation of thermal fluid heaters. This action item is a result of splitting NB09-0601 into two parts. A task group of J. Yagen, G. Halley, P. Bourgeois and R. Sulzer has been assigned. (No Attachment)

Mr. Scribner gave a progress report. He hopes to have something ready for the July 2010 meeting.

NB10-0202 Part 1 SG on Boilers Address solar fired boilers. A task group of S. Torkelson (Chair), G. Scribner, M. Richards, R. Snyder, S. Konopacki, J. Yagen and D. Cook has been assigned. (No Attachment)

Mr. Torkelson gave a progress report. He and Mr. Don Cook were added to the task group.

c. SC on Inspection (Attachment 4)

Charge: Responsible for developing new rules, revising, interpreting and maintaining existing rules which address administrative and technical requirements for inspection of pressure retaining items. This subcommittee also directs, supports, reviews and approves any items forwarded by each subgroup functioning under this subcommittee.

Membership: Don Cook (Chair), Steve Bacon, Domenic Canonico, Jim Getter, Mark Horbaczewski, Mark Mooney, Greg McRae, David Parrish, Bob Reetz, John Richardson, Jim Riley, Mike Schwartzwalder, Stan Staniszewski, Randy Wacker, Venus Newton and Bill Smith (Secretary).

D. Cook is expected to report on the following:

1) Inquiries

There were no inquiries submitted for this subcommittee.

2) Public Review Comments for 2010 Addendum Cycle A

There were no public review comments submitted for this subcommittee.

3) Action Items

NB07-0905 Part 2 4.3.1-4.3.3 SC Inspection Review these sections for completeness and consistency in pressure testing. Mr. Cook suggested forming a task group from all three parts. A task group of G. Galanes(Chair), D. Parrish, M. Horbaczewski and J. Yagen has been assigned. Included in the attachment is an email from Mr. Galanes requesting that his concern be addressed in this action item. (See Attachment 4, pg. 1)

Mr. Cook reported with a handout of proposed terms to add to the Glossary and some wording changes to the section. Mr. Galanes also provided a handout of the same terms with different definitions generated from SC on Repairs and Alterations. There was a motion to accept the new terms and definitions that were decided upon. The motion was unanimously approved.

There was a motion to letter ballot the text changes presented in the handout. The motion was unanimously approved.

NB07-0910 Part 2 S6 SG Inspection Specific Review DOT supplement. A task group of S. Staniszewski (Chair), G. McRae and J. Riley has been assigned. This specific Supplement should be reviewed by the task group for completeness and accuracy. (No Attachment)

Mr. Staniszewski gave a progress report. He stated that this item was a result of 15 public review comments in 2007 and since then 4 of those comments have been resolved. In 2008 they added three new public review comments and in 2010 they added 2 new issues to the action item. The task group will continue to work on this item to resolve all comments.

NB07-0912 Part 2 SG Inspection Specific Inspection Guides Section 5 Review the National Board Inspection guides for Cast Iron Boilers, Pressure Relief Devices, Water Level Controls & Devices and Operating Controls. (No Attachment)

- Guide for Cast Iron Boilers – A motion made to accept the review and updates of the task group. The motion was unanimously approved.
- Guide for PRD – Task group of John Richardson and Randy Wacker. The task group has reviewed the Inspection Guide and made recommendations. The SC on PRD reviewed the document and sent it back to the SC on Inspection for final approval.
- Guide for Water Level Controls & Devices – There was a motion to accept the review and updates of the task group. The motion was unanimously approved.
- Guide for Operating Controls – The work of this Task Group was approved during the January 2009 meeting.

All parts of this action item have been approved except for the guide for PRD. The SC on PRD has reviewed the guide and the SC on Inspection plans on letter balloting this document for approval.

NB08-0701 Part 2 S7 SG on Inspection Specific Add a requirement for change of service from above ground to below ground installation of LPG tanks. We also need requirements for how to inspect these tanks. A task group of G. McRae (Chair), G. Galanes, J. Getter, M. Huffman, V. Mullins, J. Reed, D. Cook, J. Richardson and V. Newton has been assigned. (No Attachment)

Mr. Staniszewski gave a progress report. The task group will continue to work on this issue for the next meeting.

NB08-0702 Part 2 S7 SG on Inspection Specific The maximum corrosion allowance for a LPG tank should be 10% of the minimum thickness required. A task group of G. McRae (Chair), G. Galanes, J. Getter, M. Huffman, V. Mullins, J. Reed, D. Cook, J. Richardson and V. Newton has been assigned. (No Attachment)

Mr. Staniszewski gave a progress report. The task group will continue to work on this issue for the next meeting.

NB08-0703 Part 2 S7SG on Inspection Specific Investigate the feasibility of marking or stamping a re-rated name plate on a LPG tank that is being altered from an above ground tank to

a below ground tank. A task group of G. McRae(Chair), G. Galanes, J. Getter, M. Huffman, V. Mullins, J. Reed, D. Cook, J. Richardson, and V. Newton has been assigned. (No Attachment)

Mr. Staniszewski gave a progress report. The task group will continue to work on this issue for the next meeting.

d. SC on Repairs and Alterations (Attachment 5)

Charge: Responsible for developing new rules, revising, interpreting and maintaining existing rules which address administrative and technical requirements for repairing or altering pressure retaining items. This subcommittee also directs, supports, reviews, and approves any items forwarded by each subgroup functioning under this subcommittee.

Membership: George Galanes (Chair), Paul Edwards, Jack Given, Wayne Jones, Jim Larson, Frank Pavlovicz, Jim Pillow, Bryan Schulte, Jim Sekely, Mike Webb and John Hoh (Secretary).

G. Galanes reported on the following:

1) Inquiries

There were no inquiries submitted for this subcommittee.

2) Public Review Comments for 2010 Addendum Cycle A

PR10-0101 Part 3 4.4.1 e) Under 4.4.1 e) delete the first sentence, NDE may be conducted.

There was a motion to reply to the commenter, rejected for the following reason:
Rejected comment because current wording provides permission. Also, current wording is used in other paragraphs.

The motion was unanimously approved.

PR10-0201 Part 3 4.4.1 e) In 4.4.1 e) First sentence should read, "other weld areas may be examined as identified by the Inspector and , where required, the Jurisdiction" Change shall to may to agree with the acceptance of regulatory authorities.

There was a motion to reply to the commenter rejected for the following reason:
Rejected comment because the Inspector's and Jurisdiction's requirements must be followed for the NDT method to be used.

The motion was unanimously approved.

3) Action Items

NB08-0304 Part 3 Forms 5.13.1 SG on R and A Specific The instruction guide for "R" Forms needs to be improved. The form also needs to have the ability to expand to accommodate people filling it out completely. A task group of R. Pulliam (Chair), M. Webb and W. Jones has been assigned. (No Attachment)

Mr. Pillow gave a progress report. The task group will continue to work on this item for the next meeting.

NB10-0101 Part 3 5.9.6 SG on R&A Specific Change 5.10 to facilitate information flow. Task group of B. Boseo (Chair), J. Given and J. Sekely has been assigned. (No Attachment)

Mr. Pillow gave a progress report. The task group will continue to work on this item for the next meeting.

NB10-0102 Part 3 S1.2.10 SG on Locomotives Clarify requirements for repairs and alterations to Boiler Barrel unstayed areas.

Mr. Galanes gave a progress report. Mr. Reetz will take this item back to the subgroup for more work.

NB10-0103 Part 3 Part 3 S2.13.9.2 SG on Historical Resolve conflict of text and figure. S2.13.9.2. (No Attachment)

Mr. Galanes gave a progress report. Mr. Reetz will take this item back to the subgroup for more work.

NB10-0104 Part 3 S2.13.12.2 SG on Historical Should the reference in a) be to S2.13.11.2 or what is written. (No Attachment)

Mr. Galanes gave a progress report. Mr. Reetz will take this item back to the subgroup for more work.

NB10-0105 Part 3 S2.13.12.3 SG on Historical Remove a) from paragraph and revise wording so both paragraphs are clear. Clarify rules for Welded Flush Patches in Tubesheets. (No Attachment)

Mr. Galanes gave a progress report. Mr. Reetz will take this item back to the subgroup for more work.

NB10-0106 Part 3.S4.16.3.a) SG on FRP Change Manufacturer's Design report to Fabricator's Design Report. (No Attachment)

Mr. Galanes gave a progress report. The SG on FRP will be asked to look at this item again and report back to the subcommittee.

NB10-0107 Part 3 S4.18.1 b) SG on FRP Revise paragraph to include alteration as well as repair. (No Attachment)

Mr. Galanes gave a progress report. The Subgroup will be asked to look at this item again and report back to the subcommittee.

NB10-0108 Part 3 S5.4 d) SG on Repairs and Alterations Specific Clarify documentation requirements for Yankee Dryers. Task group of J. Given has been assigned. (No Attachment)

Mr. Pillow gave a progress report. The task group will continue to work on this item.

NB10-0109 Part 3 S6.17 TG on DOT Add the words alteration and modification to the first sentence. The sentence should read, "The following requirements shall apply to all repairs, alterations and modifications to pressure retaining items. (No Attachment)

Mr. Pillow gave a progress report. The task group will continue to work on this item.

NB10-0110 Part 3 S6.19.1 TG on DOT This information should be combined with S6.15.1 since they are talking about the same information. Has TR-1 and TR-2 been developed? (No Attachment)

Mr. Pillow gave a progress report. The task group will continue to work on this item.

NB10-0302 Part 3 S3.2 SG on FRP The current text permits the repair firm to make repairs from non ASME Code material. The proposed revision requires new parts to be made from Code material. (No Attachment)

Mr. Galanes gave a progress report. The Subcommittee had some suggested revisions for the subgroup to review and approve before the passage of this item,

NB10-0701 Part 3 SG on R/A General Assure the ultimate objective of quality of work with sufficient documentation to show what was accomplished under the R stamp program. (No Attachment)

Mr. Pillow gave a progress report. This action item is similar to NB08-0304 so the only aspect that this item will focus on is record retention.

NB10-0801 Part 3 SG on R/A General Add new language as guidance for adjusting the water temperature for pressure or hydrostatic test. (Attachment 5, pgs. 1-3)

Mr. Galanes reported with a handout of new wording. There was a motion to accept the proposed revision. The motion was unanimously approved.

9. Liaison Activities

Mr. Given gave a report on the Executive Committee meeting that was held on Monday, January 18.

10. New Business

NB10-0901 NBIC Committee Entire Document Approval of the 2010 Addendum. There was a motion to accept the 2010 Addendum with public review comments and errata incorporated. The motion was unanimously approved.

11. Future Meetings

The following meetings have been scheduled:

July 2010, Columbus, Ohio
January 2011, Austin, Texas

12. Adjournment

The meeting was adjourned at 1:10 p.m.

Respectfully submitted,




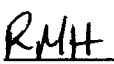
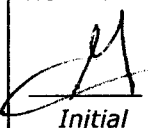

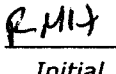

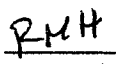


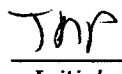
Robin Hough
Secretary, NBIC Committee
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ATTACHMENT 1

Attendance List NBIC Committee

Meeting Date: January 21, 2010

<p>Steven E. Bacon Inspector Supervisor Conoco Phillips Ferndale Refinery 3901 Unick Road PO Box 8 Ferndale, WA 98248</p> <p>Ph: 360-384-8238 Fax: 360-384-8422 E-mail: steven.e.bacon@conocophillips.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p> Initial</p>	<p>Domenic A. Canonico Canonico & Assoc. 35 Old Riding Way Signal Mountain, TN 37377</p> <p>Ph: 423-886-1008 Fax: 423-752-2825 E-mail: canonicod@bellsouth.net</p>	<p>Attended: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p> Initial</p>
<p>Jack Given Bureau Chief Department of Labor Boiler Safety Bureau 1101 Mail Service Center Raleigh, NC 27699-1101</p> <p>Ph: 919-807-2774 Fax: 919-807-2762 E-mail: jack.given@labor.nc.gov</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p> Initial</p>	<p>Paul D. Edwards <i>DIRECTOR, ASME PROGRAMS</i> Manager, Construction QC Stone & Webster, Inc. 100 Technology Center Drive Stoughton, MA 02072</p> <p>Ph: 617-589-5690 Fax: 617-589-1792 E-mail: paul.edwards@shawgrp.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p> Initial</p>
<p>Robin Hough NBIC Coordinator The National Board of B&PVI 1055 Crupper Ave. Columbus, OH 43229</p> <p>Ph; 614-888-8320 Fax: 614-847-1828 E-mail: rrough@nationalboard.org</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p> Initial</p>	<p>George W. Galanes, PE Manager, Metallurgy and QA Midwest Generation EME, LLC Joliet Station/Chicago Annex 1800 Channahon Road Joliet, IL 60436-8539</p> <p>Ph: 815-207-5897 Fax: 312-788-5218 E-mail: ggalanes@MWGen.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p> Initial</p>
<p>Ron C. Sulzer The Babcock & Wilcox Company 5955 Grovewood Drive Mentor, OH 44060</p> <p>Cell: 440-228-6000 Ph: 440-257-3267 E-mail: crsulzer@sbcglobal.net</p>	<p>Attended: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></p> <p> Initial</p>	<p>Craig Hopkins Seattle Boiler Works 500 South Myrtle Street Seattle, WA 98108</p> <p>Ph: 206-762-0737 Fax: 206-762-3516 E-mail: chopkins@seattleboiler.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p> Initial</p>
<p>Robert V. Wielgoszinski Hartford Steam Boiler I & I of CT. One State Street Hartford, CT 06103</p> <p>Ph: 860-722-5064 Fax: 860-722-5705 E-mail: Robert_wielgoszinski@hsbct.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p> Initial</p>	<p>Terry Parks The National Board 1055 Crupper Avenue Columbus, OH 43229-1183</p> <p>Ph: 614-888-8320 Fax: 614-847-1828 E-mail: tparks@nationalboard.org</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p> Initial</p>

Attendance List NBIC Committee

Meeting Date: January 21, 2010

<p>Don Cook Principal Safety Engineer Dept. of Industrial Relations Div. of Industrial Safety & Health 1515 Clay Street, Suite 1302 Oakland, CA 94612-1302</p> <p>Ph: 510-622-3050 Fax: 510-622-3063 E-mail: dcook@dir.ca.gov</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>DC</i> Initial</p>	<p>David Parrish FM Global 1151 Bos-Prov Turnpike PO Box 9102 Norwood, MA 02062-9102</p> <p>P: 781-255-4734 F: 781-762-9375 E-mail: david.parrish@fmglobal.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>DKP</i> Initial</p>
<p>H. Neal Titer MIRANT Mid-Atlantic Systems Engineering 1400 North Royal Street Alexandria, VA 22314</p> <p>Ph: 703-838-7810 Fax: 703-838-8287 E-mail: neal.titer@mirant.com</p>	<p>Attended: Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p><i>HNH</i> Initial</p>	<p>H. Michael Richards Southern Company 42 Inverness Center Pkwy. Birmingham, AL 35242</p> <p>Ph: 205-992-7111 Fax: 205-992-0361 E-mail: hmrchar@southernco.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>HMR</i> Initial</p>
<p>John Richardson Consultant - Dresser, Inc. 980 Richardson Road Colfax, LA 71417</p> <p>Ph: 318-627-5504 Fax: 318-627-2969 E-mail: jwrchar@aol.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>JWR</i> Initial</p>	<p>James Sekely Wayne Crouse, Inc. 716 Vanderbilt Drive Monroeville, PA 15146 Welding Services, INC</p> <p>Ph: 412-389-5567 Fax: 724-327-7381 E-mail: jsekely@adelphia.net COMCAST</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>JSS</i> Initial</p>
<p>Raymond Snyder Arise 150 Costa Loop Auburndale, FL 33823</p> <p>Ph: 865-965-4417 Cell: 732-778-6024 Fax: 865-967-0185 E-mail: Raymond.snyder@ariseinc.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>RS</i> Initial</p>	<p>Gary Scribner Missouri Division of Fire Safety P.O. Box 844 Jefferson City, MO 65102</p> <p>Ph: 573-751-8708 Fax: 573-526-5971 E-mail: gary.scribner@dfs.mo.gov</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>GS</i> Initial</p>
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Attendance List NBIC Committee

Meeting Date: January 21, 2010

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<p>BILL SMITH NAT'L BOARD</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><u>WKS</u> Initial</p>	<p>Brian Boseo ALSTOM/APCON Power 2000 Day Hill Rd. Windsor, CT 847 961-0047 brian.m.boseo@power.alstom.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><u>BB</u> Initial</p>
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Meeting Date: January 21, 2010

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Meeting Date: January 21, 2010

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Meeting Date: January 21, 2010

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Interpretation

Subcommittee on Pressure Relief Devices, Action January 20, 2010

Inquiry No.: IN10-0101

Source: Chuck Easterbrooks, Hess Corp.

Subject: Part 1, 2.9.5.1 c)

Edition: 2007 Edition, 2008 addenda

Inquirer's Questions and Replies

See Main Committee agenda attachment 2

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.

I abstain from voting on this item because of the ambiguity of the reply and I am not convinced that an inquiry is even needed here. Part 2, 2.5.4 i) already allows for change-over valves. But, obviously someone needs specific clarification, so hence the interpretation. The same NBIC paragraph provides a recommendation to contact the jurisdiction, whereas the reply to the inquiry implies that Jurisdictional acceptance is mandatory, which I do not believe is the case here. An interpretation is not the place to mandate acceptance by the Jurisdiction. I did not feel strongly enough to outright oppose the interpretation, and I do not fully agree with the text of the reply.

Robert Wielgoszinski

Attachment 3

NB09-0601

Part 1

2.2 DEFINITIONS

A power boiler is a closed vessel in which water or other liquid is heated, steam or vapor generated, steam or vapor is superheated, or any combination thereof, under pressure for use external to itself, by the direct application of energy from the combustion of fuels or from electricity or solar energy. The term boiler includes fired units for heating or vaporizing liquids other than water but does not include fired process heaters and systems. The term boiler also shall include the apparatus used to generate heat and all controls and safety devices associated with such apparatus or the closed vessel.

Attachment 4

NB07-0905

Definitions to add to the Glossary

Liquid Pressure Test – A pressure test using water or other incompressible fluid as a test medium.

Hydrostatic Test - A liquid pressure test which is conducted using water as the test medium.

Pneumatic Test – A pressure test which uses air or another compressible gas as the test medium.

Pressure Test – A test that is conducted using a fluid (liquid or gas) contained inside a pressure retaining item.

4.4.1 TEST OR EXAMINATION METHODS APPLICABLE TO REPAIRS

Based on the nature and scope of the repair activity, one or a combination of the following examination and test methods shall be applied to repairs and replacement parts used in repairs.

a) Liquid Pressure Test

Pressure testing of repairs shall meet the following requirements:

1) Pressure tests shall be conducted using water or other liquid medium. The test pressure shall be the minimum required to verify the leak tightness integrity of the repair, but not more than 150% of the maximum allowable working pressure (MAWP) stamped on the pressure-retaining items, as adjusted for temperature. When original test pressure included consideration of corrosion allowance, the test pressure may be further adjusted based on the remaining corrosion allowance.

2) During a pressure test where the test pressure will exceed 90% of the set pressure of the pressure relief device, the device shall be removed whenever possible. If not possible, a spindle restraint may be used following the valve manufacturer's instructions and recommendations. Extreme caution should be employed to ensure only enough force is applied to contain pressure. Excessive mechanical force applied to the spindle restraint may result in damage to the seat and/or spindle and may interfere with the proper operation of the valve. The spindle restraint shall be removed following the test.

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The organization who performs the pressure test and applies a spindle restraint shall attach a metal tag that

identifies the organization and date the work was performed to the pressure relieving device. If the seal was broken, the organization shall reseal the adjustment housing with a seal that identifies the responsible organization. The process shall be acceptable to the Jurisdiction where the pressure-retaining items are installed.

3) The metal temperature for the pressure test shall be in accordance with the original code of construction, but not less than 60°F (16°C) unless the owner provides information on the toughness characteristics of the material to indicate the acceptability of a lower test temperature. ~~During close examination the metal temperature shall not exceed 120°F (49°C), unless the owner specified requirements for a higher test temperature, and it is acceptable to the Inspector.~~

Insert A

4) Hold-time for the pressure test shall be a minimum of 10 minutes prior to examination by the Inspector. Where the test pressure exceeds the MAWP of the item, the test pressure shall be reduced to the MAWP for close examination by the Inspector. Hold-time for close examination shall be as necessary for the Inspector to conduct the examination.

b) Pneumatic Test

A pneumatic test may be conducted. Concurrence of the owner shall be obtained in addition to that of the Inspector and Jurisdiction where required. The test pressure shall be the minimum required to verify leak tightness integrity of the repair, but shall not exceed the maximum pneumatic test pressure of the original code of construction. Precautionary requirements of the original code of construction shall be followed.

- c) Initial Service Leak Test
When an initial service leak test is permitted by the original code of construction, such testing may also be used to verify the leak tightness integrity of repairs.
- d) Vacuum Test
A vacuum test may be conducted. Vacuum test methods used shall be suitable to verify the leak tightness integrity of the repair.
- e) Nondestructive Examination (NDE)
NDE may be conducted. Exclusive use of Visual Examination (VT) shall not be permitted. NDE methods used shall be suitable for providing meaningful results to verify the integrity of the repair.

4.4.2 TEST OR EXAMINATION METHODS APPLICABLE TO ALTERATIONS

Based on the nature and scope of the alterations activity, one or a combination of the following examination and test methods shall be applied to alterations and replacement parts used in alterations.

- a) Liquid Pressure Test
Pressure testing of alterations shall meet the following requirements:
 - 1) A pressure test as required by the original code of construction shall be conducted. The test pressure shall not exceed 150% of the maximum allowable working pressure (MAWP) stamped on the pressure-retaining item, as adjusted for temperature. When the original test pressure included consideration of corrosion allowance, the test pressure may be further adjusted based on the remaining corrosion allowance. The pressure test for replacement parts may be performed at the point of manufacture or point of installation.
 - 2) As an alternative to pressure testing connecting welds in accordance with

the original code of construction, connecting welds may be tested or examined in accordance with the rules for repairs (see 4.4.1). Connecting welds are defined as welds attaching the replacement part to the pressure-retaining item.

- 3) During a pressure test where the test pressure will exceed 90% of the set pressure of the pressure relief device, the device shall be removed whenever possible. If not possible, a spindle restraint may be used following the valve manufacturer's instructions and recommendations. Extreme caution should be employed to ensure only enough force is applied to contain pressure. Excessive mechanical force applied to the spindle restraint may result in damage to the seat and/or spindle and may interfere with the proper operation of the valve. The spindle restraint shall be removed following the test.

A07

- a. The organization who performs the pressure test and applies a spindle restraint shall attach a metal tag that identifies the organization and date the work was performed to the pressure relieving device. If the seal was broken, the organization shall reseal the adjustment housing with a seal that identifies the responsible organization. The process shall be acceptable to the Jurisdiction where the pressure-retaining items are installed.

- 4) The metal temperature for the pressure test shall be in accordance with the original code of construction, but not less than 60°F (16°C), unless the owner provides information on the toughness characteristics of the material to indicate the acceptability of a lower test temperature. During close examination the metal temperature shall not exceed 120°F (49°C), unless the owner

*Insult
"A"*

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For thick-walled pressure retaining items, it is recommended to seek technical guidance in establishing the notch toughness characteristics of the steel prior to pressure testing so that the metal temperature may be warmed above 60 deg F (16 deg C) to avoid brittle fracture.