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

NATIONAL BOARD SUBGROUP REPAIRS & ALTERATIONS

Minutes

Meeting of July 19th, 2016
Columbus, OH

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
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1. Call to Order

The meeting was called to order at 8AM by Chairman Angelo Bramucci.

2. Introduction of Members and Visitors

Members and visitors introduced themselves to the meeting attendees. Attendance sheet was passed around and returned to the Secretary. (Attachment Page 2)

3. Announcements

Bill Vallance provided the announcements:

He asked attendees to sign in on the attendance sheet and verify their information provided.

Lunch will be provided to committee members each in the Training Conference Center Building, 1st floor.

Wednesday evening at 5pm there will be a BBQ at the National Board's lake front pavilion with games and networking.

On Thursday, breakfast will be provided for committee members.

4. Adoption of the Agenda

A motion was made and unanimously approved to adopt the agenda as amended.

5. Approval of the Minutes of January 12th, 2016 Meeting

The minutes from the January 2016 meeting are posted on the National Board website.

A motion was made and unanimously approved to accept the minutes from the July 2015 meeting.

6. Review of Rosters

The attendees are identified on Attendance sign in sheet.

With the attached attendance listing, a quorum was established.

a. Membership Nominations

- There are no nominations for new members to Subgroup (SG) Repairs and Alterations.

b. Membership Reappointments

- Mr. Walter Sperko, Mr. Randal Cauthon, Mr. Marty Toth, and Mr. David Martinez are eligible for reappointment to subgroup repairs and alterations.

A motion was made for Mr. Randal Cauthon, Mr. Marty Toth, and Mr. David Martinez to be reappointed as members of the subgroup repairs and alterations. The motion was unanimously passed. These reappointments are subject to the approval of the Chairman of the Board of Trustees.

7. Break Outs Sessions

After discussion with the subgroup members Chairman Bramucci decided to have a break out session for 1 hour. This was to give time for Project Managers to go over Interpretations and Action Items.

8. Interpretations

Attachments are for those action items that were approved or closed with no further action at this subgroup.

Item Number: IN15-0601	NBIC Location: Part 3, Section 3	Attachment Page 5
General Description: Use of backing strips to install flush patches repair/alteration classification		
Subgroup: Repairs and Alterations		
Task Group: G. Galanes (PM), B Morelock, M. Webb, M. Bost		
<u>July 2016</u>		
<u>Meeting Action</u>		
Mr. Galanes presented the attachment pertaining to the installation of a flush patch with backing strips when the original Code of Construction did not use backing strips. A motion was made and unanimously approved to move this onto the subcommittee repairs and alterations for consideration.		

Item Number: IN15-0901	NBIC Location: Part 3	No Attachment
General Description: Installation of nozzle to the outside of a blind flange repair/alteration classification		
Subgroup: Repairs and Alterations		
Task Group: M. Toth (PM), R. Underwood. C. Hopkins, J. Walker		
<u>July 2016</u>		
<u>Meeting Action</u>		
A progress report was given by Jim Pillow and R. Underwood. Further information would be requested of the inquirer to proceed with interpretation.		

Item Number: IN15-1101	NBIC Location: Part 3	Attachment Page 6
General Description: Is the use of ASME PCC-2 Article, 2.12 fillet welded patches an alteration?		
Subgroup: Repairs and Alterations		
Task Group: J. Pillow (PM), P. Edwards, N. Carter, D. Marek		
<u>July 2016</u>		
<u>Meeting Action</u>		
Jim Pillow presented the interpretation response on the attachment. A motion was made and unanimously approved to move this onto the Subcommittee repairs and alterations for consideration.		

Item Number: IN15-1301	NBIC Location: Part 3	No Attachment
General Description: Does changing a bolt material require an "R" form and stamp?		
Subgroup: Repairs and Alterations		
Task Group: R. Trout, Jamie Walker, D. Martinez, and R. Cauthon		

July 2016

Meeting Action

J. Walker presented a progress report where further action would be required by the Task Group.

Item Number: IN16-0101 **NBIC Location: Part 3** **Attachment Page 7**

General Description: Tube plugging with explosive techniques

Subgroup: Repairs and Alterations

Task Group: *J. Sekely (PM), R. Underwood, E. Cutlip*

July 2016

Meeting Action

R. Underwood presented his Task Groups interpretation research and response to accepting explosion weld plugging of heat exchanger tubes. A motion was made and unanimously approved to move this item onto the subcommittee repairs and alterations for consideration.

Item Number: IN16-0201 **NBIC Location: Part 3** **No Attachment**

General Description: Sequence for Stamping and R Report Signing

Subgroup: Repairs and Alterations

Task Group: *M. Bost (PM)*

July 2016

Meeting Action

M. Bost presented the Task Groups interpretation response. After much rousing debate. A vote was taken and the item failed with 17 negative votes, 2 abstentions and the rest approvals. This item is to remain open until the new action is completed.

New Item NB16-0301 for possible Code Changes.

Item Number: IN16-0401 **NBIC Location: Part 3** **No Attachment**

General Description: Certificates of Authorization for companies in a merger or acquisition

Subgroup: Repairs and Alterations

Task Group: Joel Amato, Randy Cauthon, Bob Wielgoszinski

July 2016

Meeting Action

Randy Cauthon presented the interpretation response for mergers or acquisitions in relation to the Certificates of Authorizations.

The discussion became a progress report on the attached item document.

Item Number: IN16-0601	NBIC Location: Part 3	Attachment Page 8
General Description: Alternate Methods of Verification of Repairs		
Subgroup: Repairs and Alterations		
Task Group: Dave Martinez (PM), Jim Pillow		
<u>July 2016</u>		
<u>Meeting Action</u>		
D. Martinez presented the response to the interpretation. After committee consideration it was voted to close this item and send the inquirer a letter stating this was outside the scope of the NBIC. A motion was made and unanimously approved to send the subcommittee repairs and alterations for consideration of subgroups action.		

9. Action Items – Old Business

Attachments are for those action items that were approved or closed with no further action at this subgroup.

Item Number: NB12-0801	NBIC Location: Part 3	Attachment Page 11
General Description: Add requirements for repair and alteration of gasketed PHEs in the field		
Subgroup: Repairs and Alterations		
Task Group: R. Cauthon (PM), B. Wielgoszinski, N. Carter		
<u>July 2016</u>		
<u>Meeting Action</u>		
R. Cauthon presented the proposed additions to the NBIC for Routine Repairs, Repairs, and Alterations associated with plate heat exchangers. Industry representatives Pete Matkovics from SPX and Stacey Flynn from Alfa Laval provided good product knowledge to the committee. The routine repair additional wording was removed after much discussion from the attachment. A motion was made and unanimously approved to send the item to Subcommittee repairs and alterations for a review and comment ballet.		

Item Number: NB14-0301	NBIC Location: Part 3	Attachment Page 20
General Description: Add requirements for encapsulation		
Subgroup: Repairs and Alterations		
Task Group: B. Boseo, F. Johnson, K. Moore		
<u>July 2016</u>		
<u>Meeting Action</u>		

This Item was passed on a Sub Committee ballot after the January 2016 meeting. This Item is up for consideration at the NBIC Main Committee.

Item Number: NB15-0511	NBIC Location: Part 3, 5.13.5.1	No Attachment
General Description: Result of PR15-0120, how does one fill out “NR” paperwork if the repairs or alterations were performed to an international code other than Section III or Section XI?		
Subgroup: Repairs and Alterations		
Task Group: NR TG; P. Edwards (PM), B. Schafer, B. Wielgoszinski, C. Withers		
<u>July 2016</u> <u>Meeting Action</u> P. Edward indicated this item was taken up on NB16-0605 for incorporation into the 2017 NBIC. Item closed with no further action required.		

Item Number: NB15-2305	NBIC Location: Part 3	Attachment Page 21
General Description: Review NBIC footnotes; remove footnotes that are code language or definitions		
Subgroup: Repairs and Alterations		
Task Group: R. Troutt, J. Pillow		
<u>July 2016</u> <u>Meeting Action</u> R. Trout reported this item passed a subcommittee vote unanimously and needs to be up for consideration by the NBIC Main Committee.		

Item Number: NB15-2801	NBIC Location: Part 3, 4.2 b)	Attachment Page 35
General Description: Change reference standard, “ACCP-189” to “ANSI/ASNT CP-189” and also included reference to the ACCP Program.		
Subgroup: Repairs and Alterations		
Task Group: N. Carter (PM)		
<u>July 2016</u> <u>Meeting Action</u> N. Carter presented changes to paragraphs in the NBIC as stated in the above description and attached document. A motion was made and unanimously approved to move this item onto the subcommittee repairs and alterations for consideration.		

10. Action Items – New Business

Attachments are for those action items that were approved or closed with no further action at this subgroup.

Item Number: NB16-0601	NBIC Location: Glossary Part 3	Attachment Page 37
General Description: Glossary Term Re-Rate		
Subgroup: Repairs and Alterations		
Task Group: NR		
<u>July 2016</u> <u>Meeting Action</u> P. Edwards present the task Groups glossary wording; Re-rating (re-rate) – See alteration. Re-rate <i>does not apply to pressure relief devices</i> . A motion was made and unanimously approved to move this onto the subcommittee repairs and alterations for consideration.		

Item Number: NB16-0602	NBIC Location: Part 3, 1.8.2	Attachment Page 38
General Description: Clarify definitions of "NR" program categories relating to repair activities, came from NR task group		
Subgroup: Repairs and Alterations		
Task Group: NR Task Group		
<u>July 2016</u> <u>Meeting Action</u> P. Edwards from the NR Task Group presented a revision to 1.8.2 paragraph c) <i>Based on regulatory or jurisdictional acceptance, Category 2 may be used prior to fuel loading</i> . A motion was made and unanimously approved to move this Item onto the Subcommittee repairs and alterations for consideration.		

Item Number: NB16-0606	NBIC Location: Part 3, 1.8.7.2 n) 5)	Attachment Page 39
General Description: Add the words "A log shall be maintained in accordance with Part 3, 5.6." at the end of the paragraph, also include in sections in 1.8.6 and 1.8.8		
Subgroup: Repairs and Alterations NR TG		
Task Group: C. Withers (PM)		
<u>July 2016</u> <u>Meeting Action</u> P. Edwards presented the additional wording for maintaining NV and NVR registration logs and		

wording to require NV and NVR form registration. A motion was made and unanimously approved to move this Item onto the subcommittee repairs and alterations for consideration.

Item Number: NB16-0701	NBIC Location: Part 3, Section 2	No Attachment
General Description: Update SWPS to most recent versions, B2.1-1/8-231:2015;		
Subgroup: Repairs and Alterations		
Task Group: J. Sekely (PM)		
<u>July 2016</u>		
<u>Meeting Action</u>		
J Sekely provided knowledge of SWPS reaffirmed date information on the part 3 tables. He also said he will make sure AWS and Brad Besserman will get the information needed to update the SWPS Tables with more current reaffirmed dates. Progress Report. He hopes to have information for the subcommittee to consider at tomorrow's meeting.		

Item Number: NB16-0803	NBIC Location: Part 3, S4.1	No Attachment
General Description: Revise scope statement to remove "RP" letters included on certificate of authorization		
Subgroup: Repairs and Alterations		
Task Group: None assigned.		
<u>July 2016</u>		
<u>Meeting Action</u>		
This committee reviewed the paragraph in the NBIC but there was no attached information for committee. B. Vallance will locate further information for this committee to act, Progress Report.		

Item Number: NB16-0809B	NBIC Location: Part 3 Various	Attachment Page 40
General Description: Revising text to bring in "guidelines"		
Subgroup: Repairs and Alterations		
Task Group: NBIC Staff		
<u>July 2016</u>		
<u>Meeting Action</u>		
The National Board Staff attachment was presented incorporating the term <i>Guidelines</i> into several Scopes in Part 3. A motion was made and unanimously approved to move this onto the subcommittee repairs and alterations for consideration.		

Item Number: NB16-0810	NBIC Location: NBIC Part 3	No Attachment
General Description: HRSG Turbine upgrade		
Subgroup: Repairs and Alterations		

Task Group: R. Trout (PM), M. Toth, J. Amato, and R. Cauthon.

July 2016

Meeting Action

This is a new item which the task group and committee looked over the item and a progress report was taken with much work to be done. Progress Report.

Item Number: NB16-1101 NBIC Location: Part 3, Grade 91 Supplement Attachment Pages 44

General Description: Minor edits to Part 3, Grade 91 Supplement 11

Subgroup: Repairs and Alterations

Task Group: G. Galanes (PM)

July 2016

Meeting Action

Mr. Galanes presented the attached document with revisions incorporated after a Sub Committee vote. He thanked several industry people for their input into the presented document. After review discussion and word smithing. A motion was made and unanimously approved to move this onto the Subcommittee repairs and alterations for consideration.

Mr. John Siefert provided a presentation on the ongoing industry research and actual repairs to grade 91 material.

Item Number: NB16-1102 NBIC Location: 2.3.5.6 Attachment Page 63

General Description: Alternative Weld Intro Para d)

Subgroup: Repairs and Alterations

Task Group: G Galanes

July 2016

Meeting Action

G. Galanes presented revisions to paragraph d) for wording on the controlled fill technique as described in weld method 6. A motion was made and unanimously approved to move this onto the subcommittee repairs and alterations for consideration.

Item Number: NB15-1203 NBIC Location: Supplement 9 Attachment Page 64

General Description: Not NB Stamped-Nuclear PRD

Subgroup: Repairs and Alterations

Task Group: N R

July 2016

Meeting Action

P, Edwards presented to Supplement 9 rewrite for S9.1, 9.2, and 9.3. A motion was made and unanimously approved to move this onto the subcommittee repairs and alterations for an up or down ballot.

Item Number: NB16-1501	NBIC Location: Part 3 5.7.5	Attachment Page 67
General Description: NR And NVR required Markings		
Subgroup: Repairs and Alterations		
Task Group: NR		
<u>July 2016</u>		
<u>Meeting Action</u>		
P. Edwards presented the document showing the revising the NR and NVR required markings in Figures 5.7.5 f and g. A motion was made and unanimously approved to move this onto the subcommittee repairs and alterations for consideration.		

Item Number: NB16-2001	NBIC Location: Part 3, 1.6.1 c)	No Attachment
General Description: Update language about record maintenance in Table 1.6.1 c)		
Subgroup: Repairs and Alterations		
Task Group: J. Pillow (PM) R. Trout, J. Sekely, Walt Sperko, B. Boseo,		
<u>July 2016</u>		
<u>Meeting Action</u>		
J. Pillow presented the attachment to add; Continuity records established prior to the latest National Board triennial certificate review need not be retained by the Certificate Holder. After a reasonable debate the 5 person task group was formed to develop wording for the NBIC, Progress Report.		

Item Number: NB16-2101	NBIC Location: Part 3, Section 5	Attachment Page 68
General Description: Update R-2 Data Reports Re-rate Leak Test based on interpretation 98-15		
Subgroup: Repairs and Alterations		
Task Group: B. Wielgoszinski (PM)		
<u>July 2016</u>		
<u>Meeting Action</u>		
Bob Wielgoszinski presented the attached, adding wording to not mandate an alteration leak test on a PRI re-rate when no physical work was done, Reference Interpretation 98-15. A motion was made and unanimously approved to move this onto the subcommittee repairs and alterations for consideration.		

Item Number: NB16-2401	NBIC Location: NBIC Part 3 5.5.1	No Attachment
General Description: Registration of R-1 forms		
Subgroup: Repairs and Alterations		
Task Group: N. Carter (PM)		

July 2016

Meeting Action

N. Carter presented the item. With HEATED discussions a straw vote of the conference room was taken and it was determined approximately 90 % of the room did not want this registration requirement. A vote of the committee was taken to close the item with no further action and it was approved with 2 abstentions, Joel Amato and Rob Trout.

Item Number: NB16-2601 NBIC Location:

Attachment Page 73

General Description: Repair Plugging Heat Exchanger Tubes

Subgroup: Repairs and Alterations

Task Group: R. Underwood(PM)

July 2016

Meeting Action

R. Underwood presented wording to show the additions to the examples of repairs paragraph f). Replacement and plugging of boiler and heat exchanger tubes where welding is involved. A motion was made and unanimously approved to move this onto the Subcommittee repairs and alterations for consideration.

11. Future Meetings

January 9-12, 2017 – San Diego, California

July 17-20, 2017 – Columbus Ohio

12. Adjournment

A motion was made and unanimously approved to adjourn the meeting at 4:10pm

Respectfully submitted,

Bill Vallance