



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

NATIONAL BOARD SUBCOMMITTEE REPAIRS & ALTERATIONS

MINUTES

Meeting of July 20th, 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
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1. Call to Order

Chairman George Galanes called the meeting to order at 8am.

2. Introduction of Members and Visitors

Members and visitors introduced themselves to the meeting attendees. It was determined there was a quorum present to conduct business. (Attendance sheet Page 2 of attachments)

3. Announcements

Secretary Bill Vallance presented the announcements for the remainder of the week.

4. Adoption of the Agenda

A motion was made and unanimously approved to adopt the agenda as amended for the addition of new action items.

5. Approval of the Minutes of January 13th, 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 January 2016 meeting.

6. Review of Rosters

a. Membership Nominations

- Mr. Justin Clements was nominated to become a member of Sub Group Graphite (Attachment Pages 4-5) A motion was made for Mr. Clements to become a member of the Sub Group Graphite. The motion was unanimously passed. Final approval for their membership will be given by the NBIC Committee, subject to the acceptance of the Chair of the Board of Trustees.
- Mr. David Rose was nominated to be a member of the Sub Group Historical. (Attachment Pages 6-8) A motion was made for Mr. Rose to become a member of the Sub Group on Historical Boilers. The motion was unanimously passed. Final approval for their membership will be given by the NBIC Committee, subject to the acceptance of the Chair of the Board of Trustees.

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 to reappoint Mr. Walter Sperko, Mr. Randal Cauthon, Mr. Marty Toth, and Mr. David Martinez to the Sub Group on Repairs and Alterations. The motion was unanimously passed.
- Mr. Linn Moedinger and Mr. Matthew Janssen are eligible for reappointment to Sub Group Locomotive Boilers. A Motion was made to reappoint Mr. Linn Moedinger and Mr. Matthew Janssen to Sub Group Locomotive Boilers. The motion was unanimously passed.
- Mr. Robert Bryce is eligible for reappointment to Sub Group Historical Boilers. Mr. Bryce did not seek reappointment to the SG Historical Boilers.
- Mr. Keith Cummins is eligible for reappointment to SG Graphite. A motion was made to reappoint Mr. Keith Cummins to Sub Group Graphite. The motion was unanimously passed.

- Mr. James Pillow and Mr. Ray Miletti are eligible for reappointment to Subcommittee Repairs and Alterations. A motion was made to reappoint Mr. James Pillow and Mr. Ray Miletti to Sub Committee Repairs and Alterations. The motion was unanimously passed.

c. Officer Selection

- Mr. Linn Moedinger appointment as Sub Group Locomotive Boilers Chair has expired. A motion was made to reappoint Mr. Linn Moedinger as Chair of the Sub Group Locomotive Boilers. The Motion was unanimously passed. Final approval for appointment will be given by the NBIC Committee, subject to the acceptance of the Chair of the Board of Trustees.
- Mr. James Pillow’s appointment as Sub Committee Repairs and Alterations Vice Chair has expired. A motion was made to reappoint Mr. Jim Pillow as Vice Chair of the Sub Committee Repairs and Alterations. The Motion was unanimously passed. Final approval for appointment will be given by the NBIC Committee, subject to the acceptance of the Chair of the Board of Trustees.

7. Interpretations

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

Item Number: IN15-0601	NBIC Location: Part 3, Section 3	Attachment Page 9
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. Pillow presented a proposed committee question and reply. Installation of a flush patch in a pressure retaining item with backing strips is a repair provided the backing strip does not reduce joint efficiency and had increased coverage by NDT when the original code of construction considered backing rings. A motion was made and unanimously approved to move this to the NBIC Main Committee 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>		

Meeting Action

A progress report was given by R. Underwood. Further information will be requested of the inquirer to proceed with interpretation at the Sub Group Repairs and Alterations.

Item Number: IN15-1101 **NBIC Location: Part 3** **Attachment Page 10**

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

July 2016

Meeting Action

Jim Pillow presented the proposed committee question and reply A motion was made and unanimously approved to move this to the NBIC Main Committee for consideration.
Also, new action Item number NB16-0303 was opened to consider fillet weld patches over cracks in the NBIC as is allowed in ASME PCC-2. Project manager will be B. Boseo, with members R Underwood, & B Morlock

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 (PM), Jamie Walker, D. Martinez, and R. Cauthon

July 2016

Meeting Action

A progress report was given by J. Walker. Further work needs to be accomplished by Repairs and Alteration task group.

Item Number: IN16-0101 **NBIC Location: Part 3** **Attachment Page 11**

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 attached interpretation research and response for accepting explosion weld plugging of heat exchanger tubes. A motion was made and unanimously approved to move this item onto the NBIC Committee for consideration which was linked to another item for code revision (NB16-2601).

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), Ben Schaefer		
<u>July 2016</u>		
<u>Meeting Action</u>		
M. Bost presented the Task Groups interpretation response. At the Sub Group Repairs and Alterations a rousing debate took place. A vote was taken at the Sub Group Repairs and Alterations where the item failed with 17 negative votes, 2 abstentions and one approval. The Task Group requested this item remain open while a new action item NB16-0301 was assigned, PM Ben Schaefer, to consider addressing Stamping and R report signing sequencing as part of the NBIC.		

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(PM)		
<u>July 2016</u>		
<u>Meeting Action</u>		
A progress report was given for the interpretation to address interpretations response wording.		

Item Number: IN16-0601	NBIC Location: Part 3	Attachment Page 12
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 and J. Pillow provided a proposed committee question and reply to the request for interpretation that the NBIC does not address the method of verification by the Inspector of the stamping or attachment of the repair or alteration nameplate to the pressure retaining item. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.		

8. Action Items – Old Business

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

Item Number: NB11-0204B	NBIC Location: Part 3, S2	Attachment Pages 19
General Description: Review NDE requirements of stayed areas for historical boilers		
Subgroup: Historical		
Task Group: M. Wahl (PM), J. Larson, F. Johnson		

July 2016
Meeting Action

J. Amato presented the item to the subcommittee showing additions to text allowing volumetric examination instead of just radiographic examination, updating figures for cracks in knuckle radii and weld seams in relation to knuckle radii. A motion was made and approved, with one negative from Linn Moedinger, to move this item to the NBIC Main Committee for consideration.

Item Number: NB12-0801 **NBIC Location: Part 3** **Attachment Pages 26**

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

July 2016
Meeting Action

R. Cauthon presented proposed revisions to NBIC in paragraphs 3.3. This sub-committee had two Plate Heat Exchanger PHE manufacturers provide a presentation to SC members concerning PHE design, fabrication and examples of repairs. These representatives were Stacey Flynn from Alfa Laval and Pete Matkovics from SPX Flow. A motion was made and unanimously approved to review the proposed revisions for PHE with a subcommittee letter ballot.

Item Number: NB13-0902 **NBIC Location: Part 3, S2** **Attachment Pages 59**

General Description: Review alternate methods of tube sheet repair

Subgroup: Historical

Task Group: F. Johnson, T. Dillon, M. Wahl

July 2016
Meeting Action

Joel Amato presented the revisions to text and figures in Supplement 2 for acceptable and unacceptable tube sheet repairs. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB13-1401 **NBIC Location: Part 3, S1.9.2** **No Attachment**

General Description: Add wording in this section regarding boiler tube welding

Subgroup: Locomotive

Task Group: R. Stone (PM)

July 2016

Meeting Action

Mr. Moedinger gave a progress report indicating the Sub Group Locomotive has more work to be done on this item.

Item Number: NB13-1405 **NBIC Location: Part 3, S1.2.9** **No Attachment**

General Description: Add requirements for throttle pipes, dry pipes, superheater headers, and front end steam pipes

Subgroup: Locomotive

Task Group: R. Stone (PM)

July 2016

Meeting Action

Mr. Moedinger gave a progress report indicating the subgroup Locomotive has more work to be done on this item.

Item Number: NB13-1407 **NBIC Location: Part 3, S1** **No Attachment**

General Description: Add requirements for repair and alteration of bolts, nuts, and studs in locomotive boilers

Subgroup: Locomotive

Task Group: R. Stone (PM)

July 2016

Meeting Action

Mr. Moedinger gave a progress report indicating has more work to be done to address the negatives from the last subcommittee letter ballot.

Item Number: NB13-1408 **NBIC Location: Part 3, S1** **No Attachment**

General Description: Add requirements for repair and alteration of locomotive boilers with threaded boiler studs of the taper thread and straight thread varieties

Subgroup: Locomotive

Task Group: R. Stone (PM)

July 2016

Meeting Action

Mr. Moedinger gave a progress report indicating the subgroup Locomotive has more work to be done on this item.

Item Number: NB14-0301	NBIC Location: Part 3	Attachment Page 62
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>		
Mr. Boseo presented the new paragraph 3.4.3 <i>Encapsulation</i> . The subcommittee approved this item by letter ballot with a unanimous vote after the January 2016 meeting. A motion was made and unanimously approved to move this item onto the NBIC Main Committee for consideration with the addition of nozzles. From the discussion a new action item NB16-0302 was opened to address consideration of encapsulating over cracks. G. Galanes will be the Project Manager.		

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: P. Edwards (PM), B. Schafer, B. Wielgoszinski, C. Withers		
<u>July 2016</u>		
<u>Meeting Action</u>		
P. Edwards indicated this item was addressed under item NB16-0605. A motion was made and unanimously approved to close this item with no further action.		

Item Number: NB15-0512	NBIC Location: Part 3, S3.5.5 b)	Attachment Pages 63
General Description: Result of PR15-0121, should UIG-79 and UIG-80 be referenced in their entirety in this section?		
Subgroup: Graphite		
Task Group: E. Soltow (PM)		
<u>July 2016</u>		
<u>Meeting Action</u>		
E. Soltow presented the strikeouts to Supplement 3 paragraph S3.5.6 b), UIG-79 (b), (e) and UIG-80 (b) . A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.		

Item Number: NB15-1602	NBIC Location: Part 3, S2.7.1	No Attachment
General Description: Revise material list for historical boiler reports to include bolts, studs, nuts and formed pressure parts		

Subgroup: Historical

Task Group: T. Dillon (PM), M. Wahl, G. Galanes

July 2016

Meeting Action

This item was presented as a progress report as Historical is waiting for information from subgroup Locomotive on acceptable bolting material.

Item Number: NB15-1703 **NBIC Location: Part 3** **No Attachment**

General Description: Welded Staybolt Procedures

Subgroup: Locomotive

Task Group: None assigned

July 2016

Meeting Action

The Action Item background information could not be found related to this item. A motion was made and unanimously approved to close this item with no further action.

Item Number: NB15-2206B **NBIC Location: Part 3, S3** **Attachment Pages 65**

General Description: Review Part 3 graphite supplement to ensure proper use of "shall", "should", "may"

Subgroup: Graphite

Task Group: Tracy Rudy (PM)

July 2016

Meeting Action

Ed Soltow presented the revisions to supplement 3 S3.6 paragraphs S3.2 a) and S3.5.2.4 a) to change the words from should to shall. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB15-2207 **NBIC Location: Part 3, S3** **Attachment Page 66**

General Description: Revise requirements for amount plugs needed when tapered plugs are used

Subgroup: Graphite

Task Group: Aaron Viet (PM)

July 2016

Meeting Action

Ed Soltow presented the revisions to supplement 3 S3 paragraph S3.5.5 c) to change the words to; *A plug shall be used to plug each end of the tube(s) in question and each plug shall have a minimum length if 1 in. (25mm). Multiple plugs may be used.* A motion was made and unanimously approved to

move this item to the NBIC Main Committee for consideration.

Item Number: NB15-2208	NBIC Location: Part 3, S3	No Attachment
General Description: Investigate repair options for graphite block heat exchangers		
Subgroup: Graphite		
Task Group: Greg Becherer (PM)		
<u>July 2016</u> <u>Meeting Action</u> Ed Soltow explained this item was still in need of further work by the subcommittee Graphite and this is a progress report.		

Item Number: NB15-2210	NBIC Location: Part 3	No Attachment
General Description: Reduce cementing requirements for plugging of tubes		
Subgroup: Graphite		
Task Group: C. Cary (PM)		
<u>July 2016</u> <u>Meeting Action</u> Ed Soltow presented the attached document wording to add the Supplement 3. Para S3.5.5 m). This would allow any company with an “R” Certificate of Authorization, not just one with a “G” designator on the Certificate, to complete graphite tube plugging using a tube plugging kit. After discussion Subgroup Graphite agreed to provide further detail or a demonstration of the mentioned kit plugging process for the next NBIC meeting. Progress Report.		

Item Number: NB15-2305	NBIC Location: Part 3	Attachment page 67
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> This Item passed a subcommittee letter ballot after the January 2016 meeting. It has now moved to the NBIC Main Committee for consideration.		

Item Number: NB15-2801	NBIC Location: Part 3, 4.2 b)	Attachment Page 81
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)		

July 2016

Meeting Action

N. Carter presented the revision to paragraph 4.2 b) to eliminate the specific "revision 3 Nov. 1997" of ANSI/ASNT CP-189. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB15-2901

NBIC Location: Part 3, S2

Attachment Page 84

General Description: Review references to 1971 ASME Section I code edition with the recent additions of Part PL and Part PR in the 2015 ASME Section I

Subgroup: Historical

Task Group: None assigned

July 2016

Meeting Action

J. Amato presented the revision to paragraph 1.2 c) to remove specific reference to the 1971 ASME Section I part PR and PFT. This was done as an R Certificate holder has the ability to use the code applicable to the work being done and the current ASME BPV I section 1 has a new Part PL and part PR in the 2015 Code edition. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

9. Action Items – New Business

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

Item Number: NB16-0601

NBIC Location: Part 3 Glossary

Attachment Page 85

General Description: Re-Rate Definition

Subgroup: Repairs and Alterations NR TG

Task Group: P. Edwards(PM)

July 2016

Meeting Action

P. Edwards presented a revision to the Glossary of Terms; Re-rating (*re-rate*)-See alteration- *Re-rate does not apply to pressure relief devices.* A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB16-0602

NBIC Location: Part 3, 1.8.2

Attachment Page 86

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

July 2016

Meeting Action

P. Edwards presented a revision the 1.8.2 paragraph c) Category 2, *Based on Regulatory or jurisdictional acceptance, Category 2 may be used prior to fuel loading.* A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB16-0603 NBIC Location: Supplement 9 Attachment Page 87

General Description: Nuclear PRD

Subgroup: Repairs and Alterations NR TG

Task Group: P Edwards (PM), Ben Schafer

July 2016

Meeting Action

P. Edwards presented revisions to supplement 9 primarily related to PRD's not certified by the NB per the attached document. A motion was made and unanimously approved to have a letter ballot go out to the subcommittee Repairs and Alterations and the subcommittee PRD.

Item Number: NB16-0606 NBIC Location: Part 3, 1.8.7.2 n) 5) Attachment Page 90

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

Task Group: C. Withers (PM)

July 2016

Meeting Action

P. Edwards presented revisions to paragraphs 1.8.6.2 n) 3), 1.8.7.2 n) 5), and the addition of paragraph 1.8.8.2 m) b). These changes pertain to the maintaining of a for NR and NVR forms registered with the National Board. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB16-0701 NBIC Location: Part 3, Section 2 Attachment Page 91

General Description: Update SWPS to most recent versions, B2.1-1/8-231:2015;

Subgroup: Repairs and Alterations

Task Group: J. Sekely (PM)

July 2016

Meeting Action

Mr. Sekely presented a revision to the standard welding procedure (SWPS) Table 2.3. The revision is to reflect the latest AWS reaffirm date for those highlighted in the attached document. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB16-0803	NBIC Location: Part 3, S4.1	No Attachment
<p>General Description: Revise scope statement to <u>remove</u> "RP" letters included on certificate of authorization</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: None assigned.</p> <p><u>July 2016</u> <u>Meeting Action</u> Per National Board Staff this item was closed with no action. A motion was made and unanimously approved to close this item with no further action.</p>		

Item Number: NB16-0809B	NBIC Location: Part 3	Attachment Page 97
<p>General Description: Revising text to bring in "guidelines"</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: NBIC Staff</p> <p><u>July 2016</u> <u>Meeting Action</u> The committee reviewed the attached document that added verbage to several scope similar to this wording; <i>This part provides general requirements <u>and guidelines</u></i> The introduction to Supplement 9 S9.1 was removed from this items action. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.</p>		

Item Number: NB16-0810	NBIC Location: NBIC Part 3	No Attachment
<p>General Description: HRSG Turbine Upgrade Output</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: R. Trout (PM), J. Amato</p> <p><u>July 2016</u> <u>Meeting Action</u> A progress report was given by R. Trout.</p>		

Item Number: NB16-1101	NBIC Location: Part 3, Grade 91 Supplement	Attachment Pages 100
<p>General Description: Minor edits to Part 3, Grade 91 Supplement</p> <p>Subgroup: Repairs and Alterations</p> <p>Task Group: G. Galanes (PM)</p> <p><u>July 2016</u> <u>Meeting Action</u> Vice Chairman Jim Pillow took over the meeting while G. Galanes presented to the attached document to become a new Supplement 11. The document presented had industry input to address the knowledge of welding and inspection concerns for Grade 91 material. A motion was made and unanimously</p>		

approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB16-1102 NBIC Location: PART 3 2.3.5.6d Attachment Page 108
General Description: Weld Method Paragraph update
Subgroup: Repairs and Alterations
Task Group: G. Galanes (PM)
<u>July 2016</u> <u>Meeting Action</u> Vice Chairman J. Pillow took over the meeting to allow G. Galanes to present this action item. The attached document proposed revisions to 2.5.3 d) to clear up wording associated with references to weld method 6. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB15-1203 NBIC Location: PART 3 S9.1 No Attachment
General Description: PRD Valving
Subgroup: Repairs and Alterations NR TG
Task Group: P. Edwards (PM)
<u>July 2016</u> <u>Meeting Action</u> P. Edwards presented the attached document showing revisions to Supplement 9. Mr. Edwards made a motion to close this item as it will be handled under action item NB16-0603. It was unanimously approved to close this item with no further action.

Item Number: NB16-1301 NBIC Location: Part 3, S3.1 Attachment Page 109
General Description: Update scope of Graphite supplement to include "G" in Certificate of Authorization
Subgroup: Graphite
Task Group: None assigned
<u>July 2016</u> <u>Meeting Action</u> The committee reviewed the attached document for revision to S3.1 Scope paragraph b) adding the letter "G" to the Certificate of Authorizations for Graphite Repairs and Alterations. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB16-1402 NBIC Location: Part 3 No Attachment
General Description: Life extension for high pressure vessels above 20 years

Subgroup: FRP

Task Group: M. Gorman (PM)

July 2016

Meeting Action

No report was available for review by the Sub Committee.

Item Number: NB16-1403 **NBIC Location: Part 3, S4** **No Attachment**

General Description: Add information on repair of high pressure vessels

Subgroup: FRP

Task Group: N. Sirosh (PM)

July 2016

Meeting Action

No report was available for review by the Sub Committee.

Item Number: NB16-1501 **NBIC Location: PART3 Section 5** **Attachment Page 110**

General Description: Name plate marking updates

Subgroup: Repairs and Alterations NR TG

Task Group: P. Edwards (PM)

July 2016

Meeting Action

P. Edwards presented a revision to the marking in figures 5.7.5-f and 5.7.5-g as per the attached document. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB16-1801 **NBIC Location: Part 3, S1** **No Attachment**

General Description: Review Part 3 S1 for revisions based on the publication of ASME Section 1, Part PL

Subgroup: Locomotive

Task Group: L. Moedinger (PM)

July 2016

Meeting Action

L. Moedinger told the committee there is ongoing work on this item and this report is to be considered a progress report.

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

July 2016

Meeting Action

J. Pillow provided a progress report for this item that the task group hopes to have addressed at the January 2017 meeting.

Item Number: NB16-2101 NBIC Location: Part 3, Section 5 Attachment Page 111

General Description: Re-rate leak test - based on interpretation 98-15

Subgroup: Repairs and Alterations

Task Group: B. Wielgoszinski (PM)

July 2016

Meeting Action

B. Wielgoszinski presented the revision to add at the end of 3.4.1 d) *The pressure test may be waived if the original pressure test as recorded on the MDR is at least equal to the calculated test pressure required to verify the integrity of the PRI for the new conditions.* A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.

Item Number: NB16-2401 NBIC Location: NBIC Part 3 5.5.1 No Attachment Page:

General Description: Registration of R-1 forms

Subgroup: Repairs and Alterations

Task Group: Nathan Carter (PM)

July 2016

Meeting Action

N. Carter Provided information that this item failed a decisive vote at the Sub Group level. A motion was made and approved with two abstentions, R. Trout and J. Amato, to close this item with no further action.

Item Number: NB16-2501 NBIC Location: Locomotive Suppl-1 No Attachment Page

General Description: Adding Volumetric Examination

Subgroup: Locomotive

Task Group: Linn Moedinger (PM)

July 2016

Meeting Action

Linn Moedinger gave a progress report discussing this new business item where SG Locomotive is considering adding volumetric examination in supplement paragraphs instead of just radiograph examination.

Item Number: NB16-2502,03,05	NBIC Location: S1.1.3.1 table	Attachment Page 116
General Description: Revise Material Table Chart		
Subgroup: Locomotive		
Task Group: Linn Moedinger (PM)		
<u>July 2016</u> <u>Meeting Action</u>		
L. Moedinger provided the attached document for material revisions to Table S1.1.3.1 which is basic guideline and covers basic carbon steel and some alloy steel material specifications. A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.		

Item Number: NB16-2504	NBIC Location: Supplement 1	Attachment Page
General Description: Look at a material addition		
Subgroup: Locomotive		
Task Group: Linn Moedinger		
<u>July 2016</u> <u>Meeting Action</u>		
L. Moedinger gave a progress report for this new business item where Sub Group Locomotive is evaluating adding a new material specification to Supplement 1.		

Item Number: NB16-2601	NBIC Location: PART 3 3.3.3 F	Attachment Page 118
General Description: Plugging HX Tubes		
Subgroup: Repairs and Alterations		
Task Group: R. Underwood (PM)		
<u>July 2016</u> <u>Meeting Action</u>		
R. Underwood presented a revision to paragraph 3.3.3(f): <i>Replacement or plugging of boiler and heat exchanger tubes where welding is involved</i> ". A motion was made and unanimously approved to move this item to the NBIC Main Committee for consideration.		

10. Web X

National Board Staff, Kimberly Miller and Gary Scribner provided a Web X training presentation. (Attachment Page 122)

11. Future Meetings

January 9-12, 2017 – San Diego, California
July 17-20, 2017 – Columbus, Ohio

12. Adjournment at 1:30 PM

13. Respectfully submitted,

William Vallance