

THE NATIONAL BOARD

OF BOILER AND

PRESSURE VESSEL

INSPECTORS

# NATIONAL BOARD TASK GROUP HISTORICAL BOILERS

**AGENDA** 

Meeting of July 12<sup>th</sup>, 2021 Cincinnati, OH

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 AM Eastern Time. For those attending in person, the meeting room will be Salon H-I on the 4th floor.

#### 2. Introduction of Members and Visitors

#### 3. Check for a Quorum

#### 4. Awards/Special Recognition

Mr. David Rose – 5 Years

#### 5. Announcements

- The National Board will host a reception for all committee members and visitors on Wednesday evening from 5:30pm 7:30 pm in the Continental Room on the Mezzanine Level.
- The National Board will host a breakfast for all committee members and visitors on Thursday morning at 7:00 am and a lunch at 11:30 am in the Rosewood room on the 4<sup>th</sup> floor of the Hotel.
- A coffee station with snacks will be provided in the morning and afternoon outside of the meeting rooms on the 3<sup>rd</sup> and 4<sup>th</sup> floors.
- The 2021 NBIC is available as of July 1st, 2021.

## 6. Adoption of the Agenda

#### 7. Approval of the Minutes of the January 11, 2021 Meeting

The minutes are available for review on the National Board website, www.nationalboard.org.

#### 8. Review of Rosters (Attachment Page 1)

#### a. Membership Reappointments

i. Mr. Tom Dillon and Mr. Bob Underwood have memberships to the group that are set to expire on August 30, 2021.

#### b. Membership Nominations

#### c. Officer Nominations

i. Mr. Tom Dillon's term as Chair ends on August 30, 2021. He is eligible for reappointment.

#### 9. Action Items

Item Number: 19-84 NBIC Location: Part 2, S2.10.7 No Attachment

General Description: Inspecting riveted joints for failure

**Subgroup:** SG Historical

Task Group: F. Johnson (PM), M. Wahl & Robert Underwood

**Explanation of Need:** The text covers cracks parallel to a longitudinal joint, but there is no text covering

inspection of plate material around a rivet.

#### January 2021 Action:

**Progress Repot:** Mr. Underwood presented this item to the group. He explained the background of this item, and the need for the additional text and figure. Mr. Underwood read through the proposal and addressed questions from the task group. During discussion it was determined that the figures need to be revised to be specified which figure belongs with which method of failure. There were also a few changes made to the text of the proposal during the group's discussion. Mr. Wahl and Mr. Jowett will work on the figures and try to have the revised figures to present at the next meeting.

Item Number: 20-25 NBIC Location: Part 3, S2.13 No Attachment

**General Description:** Repair Procedure for Fire Boxes

**Subgroup:** SG Historical

Task Group: M. Wahl (PM), Robin Forbes, T. Dillon, L. Moedinger & F. Johnson

**Explanation of Need:** In NBIC Part 3, S2.13.10.3, S2.13.11 do not define what to do at a riveted joint. On the tubesheet, or firedoor sheet, where it is flanged to rivet to the firebox, the repairs are silent on what to do

at the riveted joint.

#### January 2021 Action:

**Progress Repot:** Mr. Modinger discussed this item saying it may be the same as Item 20-69. The group had a discussion of whether or not this item needed to be combined with Item 20-69 to become one item that will need to go through both the Locomotive and Historical Groups. Mr. Troutt spoke stating he would prefer to not have repeat verbiage in both Locomotive and Historical Supplements in Part 3 of the NBIC. The group agreed that the text should not be duplicated. Historical group will readdress this item once item 20-69 has been approved by the Locomotive Task Group. At that point the Historical Task Group will revise or add any wording necessary to have a reference to the Locomotive Supplement in the Historical Supplement of Part 3 of the NBIC.

Item Number: 20-26 NBIC Location: Part 2, S2 No Attachment

General Description: Concern for Historical Boiler Inspections Nationwide

**Subgroup:** SG Historical

Task Group: T. Dillon (PM), R. Underwood, L. Moedinger, M. Wahl, D. Rupert, K. Anderson & J. Wolf

Explanation of Need: Currently Jurisdictions are not uniform in adoption of how and when inspections are

performed.

#### **January 2021 Action:**

**Progress Report:** Mr. Dillion has asked Mr. Anderson to present this item. Mr. Anderson presented this item, and the explanation of need for training on Historical Boiler Inspections. Mr. Troutt recommended Mr. Anderson attend a Chiefs meeting to present this information and get an idea of where the Chiefs stand on this issue. The group discussed the difference between licensed vs educational training, training programs for locomotive with Mr. Modinger, and how some Jurisdictions conduct training for Historical Boiler Inspections. The group again expressed their desire for a training course by the National Board. Mr. Amato stated he will reach out to the Jurisdictional Liaison to get some more information/input from the Jurisdictions on how they want to move forward. Mr. Rose uploaded a few documents used for training in Alberta to the cloud for the task group to reference.

It was discussed that this item is more of a "discussion item" as opposed to an "action item", as the group does not believe anything will be added to the NBIC based on this item. They do not want to close the item because they want to be able to discuss the item at each meeting. Once the group has more information as to what action will be taken with regards to Historical Boiler Inspection training, they will close the item with no action.

#### **New Items:**

Item Number: 21-03 NBIC Location: Part 2, S2 Attachment Page 2

**General Description:** Inspection of through stays and diagonal stays (submitted by David Rose)

**Subgroup:** Historical

Task Group: None assigned

**Explanation of Need:** The code is silent on the inspection of through stays and diagonal stays. Additionally, new repair methods are available from ASME that can be incorporated.

July 2021 Action:

Item Number: 21-09 NBIC Location: Part 3, S2 Attachment Page 3

General Description: Incorporate new repair methods for through and diagonal stays (submitted by David

Rose)

**Subgroup:** Historical **Task Group:** None assigned

**Explanation of Need:** The code is silent on the inspection of through stays and diagonal stays. Additionally, new repair methods are available from ASME that can be incorporated.

July 2021 Action:

## **Discussion Items from Previous Meeting:**

## Working Pressure Calculations for curved stayed surfaces.

Dr. Bryce initiated the conversation with the group for this topic. He is proposing the group open an item to address working pressure calculations for curved stayed surfaces. After discussion a task group was formed (Mike Wahl (PM), R. Bryce, and T. Dillon). Mr. Wahl will create a new item for this on the Business Center.

## 10. Future Meetings

- January 18th-21st, 2022 San Diego, CA
- July 2022 TBD

## 11. Adjournment

Respectfully submitted,

Jodi Metzmaier

Task Group Historical Secretary

# ■ Task Group Historical Boilers

| Last Name | First Name | Interest Category                  | Role       | Exp. Date  | More    |  |
|-----------|------------|------------------------------------|------------|------------|---------|--|
| Dillon    | Tom        | General Interest                   | Chair      | 08/30/2021 | Details |  |
| Getter    | Jim        | Manufacturers                      | Vice Chair | 01/30/2024 | Details |  |
| Metzmaier | Jodi       |                                    | Secretary  | 12/30/2099 | Details |  |
| Johnson   | Frank      | Users                              | Member     | 01/30/2024 | Details |  |
| Jowett    | Chris      | National Board Certificate Holders | Member     | 09/29/2023 | Details |  |
| Kinney    | Donald     | Jurisdictional Authorities         | Member     | 01/30/2024 | Details |  |
| Moore     | Kathy      | National Board Certificate Holders | Member     | 10/30/2022 | Details |  |
| Rose      | David      | Users                              | Member     | 07/30/2022 | Details |  |
| Rupert    | Dennis     | General Interest                   | Member     | 01/30/2024 | Details |  |
| Sansone   | Matthew    | Jurisdictional Authorities         | Member     | 01/30/2024 | Details |  |
| Seime     | Trevor     | Jurisdictional Authorities         | Member     | 07/30/2023 | Details |  |
| Troutt    | Robby      | Jurisdictional Authorities         | Member     | 01/30/2024 | Details |  |
| Underwood | Robert     | Authorized Inspection Agencies     | Member     | 08/30/2021 | Details |  |
| Wahl      | Mike       | General Interest                   | Member     | 01/30/2024 | Details |  |
| Wolf      | Jon        | Authorized Inspection Agencies     | Member     | 07/30/2023 | Details |  |

## PROPOSED REVISION OR ADDITION

| Item No.  |
|---|
| 21-03   |
| Subject/Title   |
| In spection of through stays and diagonal stays   |
| NBIC Location   |
| Part: In spection & Repairs and Alterations; Section: Supplement 2 & Supplement 2; Paragraph: - & -   |
| Project Manager and Task Group  |
| Source (Name/Email)   |
| David Rose / dr3747@telus.net   |
| Statement of Need   |
| The code is silent on the inspection of through stays and diagonal stays. Additionally new repair methods are available from ASME that can be incorporated. |
| Background Information  |
| Damaged through and diagonal stays are being found during inspections.  |
| Existing Text   |
| Proposed Text   |
| TBA   |
|   |

|   |           | VOTE:    |             |           |            |        |        |      |
|---|-----------|----------|-------------|-----------|------------|--------|--------|------|
| I | COMMITTEE | Approved | Disapproved | Abstained | Not Voting | Passed | Failed | Date |
| I |           |          |             |           |            |        |        |      |
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| I |           |          |             |           |            |        |        |      |
| I |           |          |             |           |            |        |        |      |

## PROPOSED REVISION OR ADDITION

| Item No.  |
|---|
| 21-09   |
| Subject/Title   |
| Incorporate new repair methods for through and diagonal stays   |
| NBIC Location   |
| Part: Repairs & Alterations; Section: Supplement 2; Paragraph: TBD  |
| Project Manager and Task Group  |
|   |
| Source (Name/Email)   |
| David Rose / dr3747@telus.net   |
| Statement of Need   |
| The code is silent on the inspection of through stays and diagonal stays. Additionally new repair methods are available from ASME that can be incorporated. |
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| Existing Text   |
|   |
| Proposed Text   |
| TBD   |
|   |

|           | VOTE:    |             |           |            |        |        |      |
|-----------|----------|-------------|-----------|------------|--------|--------|------|
| COMMITTEE | Approved | Disapproved | Abstained | Not Voting | Passed | Failed | Date |
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