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THE NATIONAL BOARD
OF BOILER AND PRESSURE VESSEL INSPECTORS

NATIONAL BOARD INSPECTION CODE TASK GROUP LOCOMOTIVE BOILERS

MINUTES

Meeting of November 4, 2022
Virtual Meeting using Zoom

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
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1. Call to Order

Chair Mr. G. Mark Ray called the meeting to order at 1:04 PM Eastern Daylight Time.

2. Introduction of Members and Visitors

Introductions took place amongst the members and visitors virtually via Zoom. Each member and visitor stated their name, affiliated organization(s)/previously affiliated organization(s), and their interest in the committee. See attendance record (**Attachment 1**).

3. Check for a Quorum

With 10 out of 13 members present, a quorum was reached.

4. Announcements

There were no announcements this meeting.

5. Adoption of the Agenda

Mr. Ray asked if there were any needed adjustments or additions to the agenda. There were no suggestions, so a motion was made to adopt the agenda as presented. The motion was seconded and unanimously approved.

6. Approval of the Minutes of the October 2021 Meeting

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

Mr. Ray asked if anyone wanted to review the minutes from the last meeting. No one requested to review the minutes. Mr. Ray made a motion to approve the minutes from last meeting. The motion was seconded and unanimously approved.

7. Review of Rosters (Page 4)

a. Membership Appointments

Before the task group discussed adding new members to the committee, they discussed the size of committees and any requirements/categories of interest needed. Mr. Ellis explained that per the NB-240, *NBIC Procedure* the only requirement on size for standing task groups is that they shall consist of the number of members as is necessary to carry out the assigned work of the committee and which best serves the operational needs of the committee (NB-240, 4.4.2 a.). The NB-240 lists no requirements on the balance of interest categories for standing task groups.

The task group discussed the interest categories of those intent on joining the committee. Then Mr. Ray asked each of the guests if they wished to become members of the committee. The following guests expressed their interest in membership to the committee: Mr. Brendan Ziegler; Mr. Wolf Fengler; Mr. Erich Armpriester; and Mr. Kelly Lynch.

In addition to the guests above, Mr. Ray noted that Mr. Tim Sposato is also interested in becoming a member of the committee but could not attend this meeting due to a prior commitment.

The task group briefly discussed why each person would be a helpful addition to the committee.

A motion was made, seconded, and unanimously approved to recommend the appointment of each of the five persons mentioned above as a member of the committee.

b. Membership Reappointments

- i. The following TG Locomotive memberships are set to expire in January 2023: Mr. Mark Ray, Mr. Rick Musser, Mr. Steven Butler, Mr. Robert Franzen, Mr. David Griner, Mr. Matthew Janssen, Mr. Stephen Lee, Mr. Doyle McCormack, and Mr. Linn Moedinger.

Mr. Ray informed the committee that Mr. Musser did not wish to extend his term of membership. The rest of the members listed above wished to extend their membership to the committee for another term. It was noted that Mr. Richard Stone was no longer listed as a member of the committee. Mr. Ellis explained that it appears his membership to the committee expired between meetings, and that they could vote to recommend his reappointment as a member of the committee.

A motion was made to recommend each of the above members' reappointment, including Mr. Richard Stone's reappointment, as a member of the committee for another term. The motion was seconded and unanimously approved.

c. Officer Elections

- i. Mr. Mark Ray's term as Chair is set to expire in January 2023. He is eligible for reappointment to the position.

Mr. Ray expressed that he did not wish to Chair for another term. Mr. Franzen suggested to Mr. Ray that he remain the Chair for another term to continue leading the committee well, and then after the new members have a feel for the committee and how it is to be led, the committee could appoint a new Chair. Mr. Ray agreed with the suggestion, so a motion was made to recommend Mr. Ray's reappointment as Chair for another term. The motion was seconded and unanimously approved.

- ii. Mr. Rick Musser's term as Vice Chair is set to expire in January 2023. He is eligible for reappointment to the position.

Because Mr. Musser did not intend to extend his membership on the committee, there were recommendations for Mr. Franzen, Mr. Janssen, and Mr. Cross as candidates for Vice Chair. Mr. Cross stated that he would be interested especially as Mr. Ray was continuing as Chair, which would give him time to transition as Vice Chair and would give the new members time to transition into the committee. A motion was made to recommend Mr. Cross as Vice Chair of the committee. The motion was seconded and unanimously approved.

8. Interpretations

None

9. Action Items

New Business:

- At the previous meeting, Mr. Griner held a discussion session with the TG on the performing of RT on the long seams of boilers greater than 100 years in age. After extensive discussion the TG came to the conclusion that it may be good to compose a proposal and open up a new item to address this topic. Mr. Ray also suggested having someone from NDE join a meeting so as the TG can gain a better understanding of incorporating RT.

10. Discussion Items

- After Mr. Ray read through the New Business from the previous meeting (October 2021 meeting; shown above), Mr. Jordan brought up the 2015 factory boiler (Scotch marine boiler) explosion in Paducah, Kentucky. He discussed the reason for the explosion, which was, in short: a hidden crack in the long welded seam, which ended up extending the full length of the boiler. Initially, a leak was discovered near the nozzle, caused by a crack that appeared only to extend to the nozzle's surface; that was crack was repaired. The nozzle was right around the lap welded longitudinal seam, and after the explosion, upon more stringent NDE inspection, a crevice corrosion crack that extended through the weld of the boiler was found in the lap seam. The committee discussed the growing concern of these crevice corrosion cracks with all the welded locomotive boilers coming through. They are hoping to gain a better understanding of stress corrosion cracking and the sustainability of welded boilers as this will continue to be an issue. They also briefly discussed the relationship between volumetric inspection and UT and RT methods and the editorial changes that ASME has made regarding these terms. Mr. Janssen would like to present data on the cause of cracking in sheets, stay bolts, etc., in their next meeting.
- The committee discussed the benefits and costs associated with meeting in person or virtually. Mr. Ray asked Mr. Moedinger to comment on his perspective between the two options as he has experience with ASME and NBIC, both of which hold in-person and virtual meetings. Mr. Moedinger stated that in his experience, in-person meetings have been more productive as they allow the task group more time together to discuss and work on items, etc., but that virtual meetings save a company money.
- The committee discussed ways to coordinate more closely with Task Group Historical Boilers. One idea was to have both task groups meet up after their individual task group meetings during the regularly scheduled NBIC week to discuss each task group's various items/discussion topics. If they find that there are similarities between items/topics, they can find ways to work together on those. Mr. Ray stated that he would be in communication with Mr. Ellis and Ms. Vance on ways to coordinate with the Historical Task Group.
- Mr. Ray suggested that they meet next early in the year, potentially March 2023, to discuss these topics further. He also suggested the idea of meeting in person with the Historical Task Group at National Board Headquarters in Columbus, Ohio, not only to discuss these topics, but also to tour the National Board and meet staff.

11. Future NBIC Meetings

Mr. Ray shared about the upcoming NBIC meetings:

- January 9-12, 2023 – Charleston, SC
- July 2023 - TBD

12. Adjournment

Mr. Ray made a motion to adjourn the meeting at 2:03 PM (EDT). The motion was seconded and unanimously approved.

Respectfully submitted,



Michelle Vance
TG Locomotive Boilers Secretary

Standing Task Group Locomotive Boilers

Attendance Record: Friday, November 4, 2022

MEMBERS:	Interest Category	Present	Not In Attendance
G. Mark Ray	General Interest	X	
Rick Musser	Users		X
Steven Butler	General Interest	X	
J. David Conrad	Users	X	
Charlie Cross	Users	X	
David Domitrovich	Users		X
Robert Franzen	General Interest	X	
David Griner	General Interest	X	
Matthew Janssen	General Interest	X	
Mark Jordan	Jurisdictional Authorities	X	
Stephen Lee	Users	X	
Doyle McCormack	General Interest		X
Linn Moedinger	Users	X	
Michelle Vance	Secretary	X	

VISITORS:	Company / Interest
Jonathan Ellis	NBBI Staff
Erich Armpriester	Strasburg Rail Road
Kelly Lynch	FMW Solutions
Wolf Fengler	FMW Solutions
Brendan Ziegler	Strasburg Rail Road
Richard Stone	Manufacturers