



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

NATIONAL BOARD TASK GROUP HISTORICAL BOILERS

MINUTES

Meeting of January 13th, 2020
San Diego, CA

*These minutes are subject to approval and are for the 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

The meeting was called to order at 8:04 am by Chairman, Mr. Tom Dillon.

2. Introduction of Members and Visitors

The Members and visitors introduced themselves. All attendees are identified on the attendance sign in sheet (**Attachment pages 1-2**). As shown on the attached attendance sheet, there were 10 of 12 voting members present, a quorum was established.

3. Awards/Special Recognition

There were no awards/special recognitions given at this meeting.

4. Announcements

Announcements were made by the Secretary, Ms. Jodi Metzmaier (see **Attachment page 3**)

5. Adoption of the Agenda

A motion was made to adopt the agenda. The two items listed below were added to the agenda, and the motion was revised to adopt the revised agenda. The motion was seconded and unanimously approved.

- Add new item 20-25. Repair Procedure for Fireboxes
- Add new item 20-26. Concerns for Historical Boiler Inspections Nationwide

6. Approval of the Minutes of the July 15th, 2019 Meeting

A motion was made to approve the minutes from the July 15, 2019 SG Historical meeting. The motion was seconded and unanimously approved.

7. Review of Rosters

a. Membership Reappointments

Mr. Mark Jordan’s membership to the group expires on January 30th, 2020. The group discussed Mr. Jordan’s reappointment, and a motion was made to not reappoint Mr. Jordan due to lack of participation. The motion was seconded and unanimously approved.

b. Membership Nominations

Mr. Tom Shernisky is interested in becoming a member of the Historical Boilers Task Group. The group discussed Mr. Shernisky’s nomination and a motion was made to not appoint Mr. Shernisky to the Task Group. He was not present at the meeting and will not be attending further the NBIC meetings. The motion was seconded and unanimously approved.

c. Officer Nominations

There were not officer nominations.

8. Action Items

Item Number: 19-22	NBIC Location: Part 2, S2	No Attachment
General Description: Review of MAWP on Return Flue Boilers.		
Subgroup: SG Historical		
Task Group: M. Wahl (PM), J. Amato, R. Bryce & D. Rose		
January 2020 Meeting Action:		
Progress Report: Mr. Wahl presented this item to the task group, and wanted the groups thoughts/opinions on how they should move forward. After much discussion, the task group is planning to get more information from past ASME codes before a proposal is presented. During a breakout session the task group worked together and created a PowerPoint to present to the group with further information/research on this item. Mr. Wahl and Mr. Bryce presented the slideshow to the group for further discussion. After much discussion regarding the calculation for external pressure the group decided Mr. Wahl will put together a proposal, and have the proposal sent out for letter ballot to the Historical task group prior to the July 2020 meeting. If the letter ballot passes, they are hoping to have it letter balloted to SC Inspection prior to the July 2020 meeting so they can get their comments and make any necessary revisions.		

Item Number: 19-27	NBIC Location: Part 3, S2.13.14.3-a	Attachment page 4
General Description: Fusible Plug Repair Using Half Coupling Figure		
Subgroup: SG Historical Task Group: None assigned		
January 2020 Meeting Action: This item passed through SG historical and SC Repairs and Alterations in July 2019. The item was letter balloted to Main Committee, but was never closed due to comments not receiving a response. The Historical task group reviewed these comments and noticed, one was editorial, and they made the change. The other comment was to add “Fireside” and “Waterside” to the diagram, which was done during the Main Committee meeting in 2019. The document that was sent to Main committee letter ballot was revised and sent back to SC R&A for vote.		

New 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: None assigned		
January 2020 Meeting Action: Progress Report: R. Bryce presented this item to the group along with a proposal. The proposal showed wording changes and a new figure. There were many concerns with both the wording and the figure. After discussion, the historical task group decided to create a task group for further work on the proposal.		
Task Group Assigned: F. Johnson (PM), M. Wahl & Robert Underwood		

Item Number: 19-89	NBIC Location: Part 2, S2.7.3.2	Attachment page 5
General Description: Longer NDE cycle for historic boilers		
Subgroup: SG Historical Task Group: None assigned		
January 2020 Meeting Action: R. Bryce presented this item to the group. He presented a PowerPoint showing his research. He then presented a proposal. D. Rose also presented a power point with further information on the subject. A motion was made to accept the proposal as presented. The motion was seconded and passed with 9 approval votes and one abstention.		

Item Number: 20-25	NBIC Location: Part 3	No Attachment
General Description: Repair procedure for fireboxes		
Subgroup: SG Historical Task Group: None assigned		
January 2020 Meeting Action: Progress Report: Robert Bryce presented this item to the group. He explained the need for new wording to address repair procedures for fire boxes. L. Moedinger noted that this has been addressed in TG Locomotive (Part 3, S1.2.11.5 & Figure S1.2.11.5-c1). After discussion, the group decided to create a task group to create a proposal for the July 2020.		
TG: M. Wahl (PM), Robin Forbes, T. Dillon, & F. Johnson		

Item Number: 20-26	NBIC Location: Part 2	No Attachment
General Description: Concerns for Historical Boiler Inspections Nationwide		
Subgroup: SG Historical		
Task Group: None assigned		
January 2020 Meeting Action:		
Progress Report: Tom Dillon presented the letter submitted by Kevin Anderson to the group, and talked about why Mr. Anderson felt the need for more information on the subject. There was much discussion about the possibility of the National Board coming up with a Historical Boiler Inspectors training course. A task group was assigned to look further into the subject to decide if something needs to be added to the NBIC.		
Task Group Assigned: T. Dillon (PM), R. Underwood, L. Moedinger, M. Wahl, D. Rupert, & J. Wolf		

9. Future Meetings

- July 13th-16th, 2020 – Louisville, KY
- January 11th -14th, 2021 – New Orleans, LA

Chairman T. Dillon discussed the future meetings with the Historical Task Group.

10. Adjournment

A motion was made to adjourn the meeting at 4:01 p.m. The motion was seconded and unanimously approved.

Respectfully submitted,



Jodi Metzmaier
TG Historical Secretary

NBIC Task Group Historical Attendance - 1/13/2020

First Last	Email	Company	Phone #	Signature	Attending Reception?
Mike Wahl	mikew@midstal.com	WHSEA	920 972-7308		NO
Frank Johnson	fjkeck22@aol.com	Johnson Welding	419 386-8450		NO
Dennis Rupert	rupertcull@comcast.net	MHSEA	517 398-0152	DAR	
Tom Dillon	dillon16hp@gmail.com	MSEA	612 308-9560		NO
Jim Getter	jim.getter@worthingtonindustries.com	Worthington Industries	614 840-3087		YES
Joel Amato	joel.amato@state.mn.us	State of Minnesota	651 284-5137		
Robert Underwood	robert_underwood@hsb.com	Hartford Steam Boiler	618 593-6231		yes
David Rose	dr3747@telus.net	T&T Inspections	780 217-8175		YES
Mark Jordan	mark.jordan@ky.gov	Commonwealth of Kentucky	502 573-1708		
Jodi Metzmaier	jmetzmaier@nationalboard.org	The National Board	614 888-8320		✓
Jon Wolf	jon.wolf@zurichna.com	Zurich	920 253-8781		YES
Robby Troutt	rob.troutt@tdlr.texas.gov	State of Texas	512 539-5720		
Matthew Sansone	matthew.sansone@labor.ny.gov	NYS Department of Labor	518 457-2722		yes
Kathy Moore	kathymoore@joemoorecompany.com	Joe Moore & Company	919 832-1665		YES
Robin Forbes	robin forbes@shaw.ca		250 426 0385		NO
Robert Bryce	rbryce@heartlandsoftware.ca		780-545-4480		NO
Doug Callahan	midmtn@shaw.ca	N.H.B.A.	250-862-4539		NO
TREVOR SEME	tsseime@nd.gov	STATE OF ND	701-220-4723		NO
Rick Sturm	rsturm@utah.gov	state of UT	801-326 7268		✓
Donnie LeSage	Donnie.LeSage@LA.gov	state of LA	225-268-5349		yes
Chris Sowett	Cesrepairandrestoration@gmail.com	CES repair and restoration	816--230 1514		NO
KATHY					

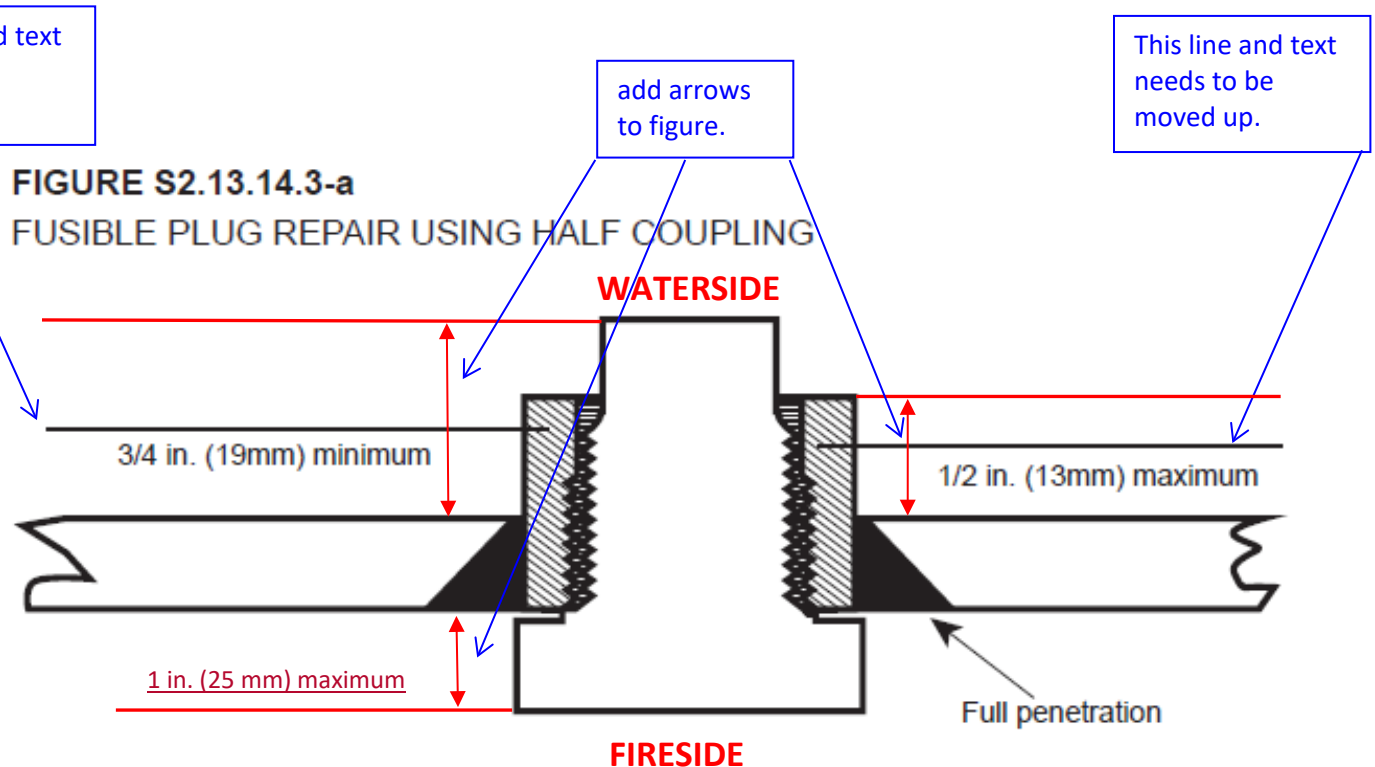
Announcements

- The National Board will be hosting a reception for all committee members and visitors on Wednesday evening at 5:30pm at The Smoking Gun
 - Information for the venue can be found on the website
 - Who is coming to the reception?
- Breakfast (7-8 am) and Lunch (11:30 -12:30) will be provided to NBIC Committee members and visitors on Thursday in Le Fontainebleau on the 2nd floor.
- We will take a short break around 9:30-10:00 for task groups to work on items.
- Meetings schedule and meeting rooms layout are on the website under National Board Inspection Code tab → NBIC Committee Information → NBIC Meeting Information
- If the meeting ends early use the extra time to work with your task groups.
- Always submit attachments in word format showing “strike through/underline”
 - Does anyone need to know how to do this?
- Naming format reminder:
 - *Item number - person who made the revision - date update*
- As a reminder, anyone who would like to become a member of a group or committee, must submit their resume to Jonathan PRIOR TO the meeting.
 - nbicsecretary@nationalboard.org

Item Number: 19-27
 SG Historical
 Part 3, S2.13.14.3

S2.13.14.3 REPAIR OF FUSIBLE PLUG OPENING

- Threaded holes with damaged threads may be repaired by re-tapping or weld buildup and rethreading. ~~¶~~The threads shall be removed prior to welding.
- Threaded opening with damaged threads that ~~can not~~cannot be repaired by re-tapping or re-threading should be repaired by welding a flush patch or half coupling connection to the sheet.
- The half coupling connection shall be such a size as to not interfere with proper operation of the fusible plug. The half coupling shall be welded flush to the fire side using a full penetration weld. The half coupling must not project higher than ½ inch (13 mm) from the water side (See Figure NBIC Part 3, S2.13.14.3-a).
- Flush patch type repairs are to be installed in accordance with S2.13.9.3 and S2.13.10.3 (See Figure S2.13.14.3-b).
- A fusible plug shall be of such length that when installed it shall project at least ¾ inch (19 mm) on the water side of the plate, tube, or flue. It shall extend through the plate, tube, or flue on the fire side as little as possible but not more than 1 inch (25 mm).



Item 19-89
January 13, 2020
NBIC Part 2

S2.7.3.2 SUBSEQUENT INSPECTIONS

a) Boilers that have completed the initial inspection requirements begin the subsequent inspection intervals. The following inspection intervals should be used unless other requirements are mandated by the Jurisdiction.

1) Interval #1 — One year following initial inspection. Inservice inspection per NBIC Part 2, S2.7.1.

2) Interval #2 — Two years following initial inspection. Visual inspection per NBIC Part 2, S2.5.2.2.

3) Interval #3 — Three years following initial inspection. A pressure test per NBIC Part 2, S2.6.1.

~~4) Interval #4 — Same as interval #1.~~

~~5) Interval #5 — Visual inspection per NBIC Part 2, S2.5.2.2 and UT thickness testing per NBIC Part 2, S2.6.2.~~

~~6) Interval #6 — Same as interval #3.~~

b) After interval ~~#6-3~~ is completed, the subsequent inspection cycle continues with interval #1.

c) Ultrasonic thickness testing per NBIC Part 2, S2.6.2 shall be performed twenty years from the original boiler manufacturing date and every ten years thereafter, or more frequently at the discretion of the Jurisdiction when applicable.