



THE NATIONAL BOARD  
OF BOILER AND PRESSURE VESSEL INSPECTORS

Date Distributed: July 29, 2025

# NATIONAL BOARD INSPECTION CODE TASK GROUP HISTORICAL BOILERS

## MINUTES

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Meeting of July 7, 2025  
Cincinnati, OH

*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

**1. Call to Order**

Mr. Trevor Seime, Chair of the Historical Task Group (TG), called the meeting to order at 8:05 a.m. Eastern Standard Time, in Mt. Adams on the 4th floor of the hotel.

**2. Introduction of Members and Visitors**

All members and visitors in person and online stated their name and their company. All members and visitors are noted on the attendance sheets. (**Attachment Pages 1-2**)

**3. Check for a Quorum (51% - 8 of 14 needed)**

With 10 of 13 members in attendance, both in person and online, a quorum was established.

**4. Awards/Special Recognition**

- Chris Jowett – 5 years as a TG Historical member.

Mr. Jowett attended the meeting remotely. Mr. Seime spoke to Mr. Jowett, thanking him for the work he has done with the TG in the 5 years he has been a member. Mr. Jowett will be presented with his 5-year pin at the next meeting he attends in person.

**5. Announcements**

Ms. Metzmaier gave announcements to the TG. (**Attachment Page 3**)

**6. Adoption of the Agenda**

A motion was made to accept the agenda as presented. The motion was seconded and unanimously approved.

**7. Approval of the Minutes of the January 2025 Meeting**

The minutes from the January 2025 meeting can be found on the NBIC Committee information page on the National Board's website, [nbbi.org](http://nbbi.org).

A motion was made to accept the minutes of the January 2025 meeting. The motion was seconded and unanimously approved.

**8. Review of Roster**

**a. Membership Reappointment**

The following memberships are set to expire prior to the January 2026 meeting: Mr. Michael Carlson and Mr. David Rose.

Mr. Carlson stated he would like to be reappointed to the TG. A motion was made to reappoint him to the TG. The motion was seconded and unanimously approved.

Mr. Rose was not present at the meeting. The NBIC Secretary will contact Mr. Rose to ensure he wants to be reappointed, and his membership reappointment will be sent via letter ballot (LB) to the TG for vote.

**b. Membership Nominations – None**

Mr. Galanes has expressed his interest in becoming a member of the TG. A motion was made to recommend his nomination for membership. The motion was seconded and **unanimously approved**.

**c. Officer Nominations – None**

**9. Interpretations – None**

## 10. Action Items

Mr. Seime spoke to the TG and stated that they need to start spreading out the work, and not have the same Project Manager (PM) for all our items.

<b>Item Number: 20-25</b>	<b>NBIC Location: Part 3, S2.13</b>	<b>No Attachment</b>
<b>General Description:</b> Repair Procedure for Fire Boxes		
<b>Subgroup:</b> SG Historical		
<b>Task Group:</b> M. Wahl (PM), R. Forbes, T. Dillon, L. Moedinger, C. Jowett, F. Johnson, G. Galanes, R. Bryce		
<b>Explanation of Need:</b> 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.		
<b>July 2025 Action:</b> Progress Report: Dr. Bryce presented this item to the TG. He showed a few diagrams to help explain the proposed changes. He stated the proposal may not be ready for vote, but they want feedback from the TG. After reviewing the item, he asked for the TG's thoughts on the progress that has been made. The TG gave their opinions and feedback. The task group will continue to work on the proposal.		

<b>Item Number: 23-85</b>	<b>NBIC Location: Part 2, S2.14.7</b>	<b>No Attachment</b>
<b>General Description:</b> Review paragraphs to replace with proper verbiage		
<b>Subgroup:</b> SG Historical		
<b>Task Group:</b> M. Wahl (PM), K. Anderson		
<b>Explanation of Need:</b> There is some slang and second person (POV) verbiage throughout these paragraphs. Recommend rewording with proper terminology (such that it could be understood internationally) and changing point of view (e.g., changing "you're pulling water" to "water is being pulled"). Since I don't have the technical knowledge to know what is slang and what isn't, what I have proposed will still need to be reworded.		
<b>July 2025 Action:</b> Progress Report: Mr. Dillion presented a document to the TG showing the work that has been done for the proposal. They are still waiting to get a few more answers before having a final proposal. Mr. Dillion will get the proposal finalized and then he will send it to Mr. Seime so he can request that the proposal be sent out to LB before the next meeting.		

## 11. New Items

<b>Item Number: 25-13</b>	<b>NBIC Location: Part <del>23</del>, S2.7.1</b>	<b>Attachment Pages 4-5</b>
<b>General Description:</b> Update list to add acceptable materials for rivets and bronze castings and		
<b>Subgroup:</b> SG Historical		
<b>Task Group:</b> M. Wahl (PM)		
<b>Explanation of Need:</b> Update list to add acceptable materials for rivets and bronze castings and clarify the difference between flange bolts and boiler casting bolts.		
<b>July 2025 Meeting Action:</b> Mr. Dillon presented a proposal to the TG. After a brief discussion, a motion was made to accept the proposal as presented. The motion was seconded and <b>unanimously approved.</b>		

**General Description:** UT Inspection of Boilers with Jackets

**Subgroup:** SG Historical

**Task Group:** M. Wahl (PM)

**Explanation of Need:** Currently this information is not in the same location as the other UT requirements and needs to be updated for proper terminology.

**July 2025 Meeting Action:**

Mr. Dillon presented a proposal to the TG. After the TG reviewed the proposal, they chose to make a change to the title of the paragraph. A motion was made to accept the revised proposal. The motion was seconded and **unanimously approved.**

## 12. Ongoing Discussion Items

### a. Concern for Historical Boiler Inspection Nationwide:

- **July 2025 Discussion Review:** Mr. Seime stated the new historical boiler inspection module on the National Board business center is up and running. A few TG members have already taken it, and it has gotten good feedback. Mr. Anderson spoke to the group regarding Inspections on steam boilers in Iowa. He stated that the Albert City Board of Directors had no idea that the directors were responsible for the steam inspections. He also stated that Mr. Seime has volunteered to help with the inspections in Iowa. Mr. Anderson, Mr. Seime, and Mr. Berney all attended the Rollag Steam School. Mr. Seime stated he was very happy with the progress we are making. Mr. Anderson has also stated that he has been hearing from others in the industry that they are very happy with the progress and work the Historical TG is doing.

## 13. Future Meetings

- January 12-15, 2026 – New Orleans, LA

Mr. Seime discussed the future meetings with the TG.

## 14. Adjournment - A motion was made to adjourn the meeting at 9:04.

Respectfully submitted,



Jodi Metzmaier, Historical Task Group Secretary

# Taskgroup Historical Member Attendees - July 2025

MEMBERS:	Interest Category	Email	Registered	In Person Attendance	Remote Attendance	Not In Attendance
Trevor Seime - Chair	Jurisdictional Authorities	tsseime@nd.gov	In-Person	X		
Tom Dillon - Vice Chair	General Interest	dillon16hp@gmail.com			X	
Jodi Metzmaier	NBIC Secretary	jmetzmaier@nbbi.org	In-Person	X		
Kevin Anderson	Users	kanderson@nvc.net			X	
Howard Berny	Jurisdictional Authorities	howard.j.berny@state.mn.us	In-Person	X		
Michael Carlson	Jurisdictional Authorities	camx235@ini.wa.gov	In-Person	X		
Jonathan Ferreira	Authorized Inspection Agencies	jonathan_ferreira@hsb.com	In-Person	X		
Michael Horton	General Interest	mdhortonrg4642@aol.com	Remote		X	
Frank Johnson	Users	fjkeck22@aol.com	In-Person		X	
Chris Jowett	National Board Certificate Holder	cesrepairandrestoration@gmail.com	Remote		X	
David Rose	Users	dr3747@telus.net				X
Dennis Rupert	General Interest	rupercull@comcast.net			X	
Jeremy Smith	General Interest	jeremy.smith@labor.nc.gov	In-Person	X		
Mike Wahl	General Interest	mikew.steam@gmail.com				X
Jon Wolf	Authorized Inspection Agencies	jon.wolf@zurichna.com	In-Person	X		

## Taskgroup Historical Visitor Attendees - July 2025

VISITORS:	Company/Title/Interest	Email	Registered	In Person Attendance	Remote Attendance
Bob Derby	UA Education and Training Department	rderby@uanet.org	In-Person	X	
Robert Bryce	Steam Association of Manitoba	robert@clanbryce.ca	Remote		X
Kiwi Derrick	Chevron	kiwi.derrick@chevron.com	In-Person	X	
Zachary Johnson	Cenovus Energy / Toledo Refinery Sr. Process Safety & Reliability Engineer	zach.johnson@cenovus.com	Remote		X
Don Patton	Bay City Boiler	dpatten@baycityboiler.com	In-Person	X	
Del Schirmer	BPC / XL Insurance	del.schirmer@BoilerProperty.com	In-Person	X	
Ron Spiker	State of SC	ronndj@gmail.com	In-Person	X	
Tim Sweeney	Pleuneservice co	tsweeney@pleuneservice.com	In-Person	X	
Alex Thompson	Icon Boiler, Inc.	Alex.thompson@iconboiler.com	In-Person	X	
Robin Forbes	BC Heritage Boiler Association	robin.a.forbes@outlook.com	Remote		X
Andrew Frazier	State of Maine	andrew.g.frazier@maine.gov	Remote		X
William 'Butch' Lynch	Office of Commissioner of Insurance & Safety Fire	blynch@oci.ga.gov	Remote		X
Bob Underwood	HSB	robert_underwood@hsb.com		X	
Daniel Lynch	Industrial Steel & Boiler Services, Inc. QC Manager	danl@isbservices.com			X
Robert Stimson	State of Kansas Chief	rob.stimson@ks.gov			X
Lee Cochran	NBBI	lcochran@nationalboard.org	In-Person	X	
Robby Troutt	Texas Department of Licensing and Regulation	rob.troutt@tdlr.texas.gov	In-Person	X	
Demetria Rodriguez	NBBI	DRodriguez@nbbi.org	In-Person	X	
George Galanes	MC Chair	ggalanes@diamondtechnicalservices.com	In-Person	X	

- Please make sure to use microphones to speak and use to base of the microphone to move them
- MS Teams Notes:
  - Please stay muted during the meeting. If you would like to speak, please use the “raise hand” feature, and then you can unmute as you are called on. Teams will note the order in which your hands were raised, and we will call on you in that order.
  - Any messages sent through chat **will be displayed for anyone in the meeting to see**. If you need to send me a private message, please send it to me directly and not through the meeting chat.
  - If you are calling in with a phone number, please change your name from your phone number to your actual name.
- This meeting marks the end of Cycle B for the 2027 NBIC edition.
- The Historical Supplements of the NBIC are now available for purchase on the National Board website. This is a digital download and the cost is \$50.
- With the release of the new 2025 Edition of the NBIC the National Board has a gift for all NBIC Committee Members to show our appreciation for all your hard work. Please see Jonathan or Luis in the NB office (Mt. Washington Room), located here on the 4th Floor to receive your gift.
- The National Board will be hosting a reception on Wednesday evening from 5:30 p.m. to 7:30 p.m. at Ault Park, on the 4<sup>th</sup> floor of the hotel.
- The National Board will be hosting breakfast and lunch on Thursday for those attending the Main Committee meeting. Breakfast will be served from 7:00 a.m. to 8:00 a.m. in Madisonville A/B, and lunch will be served from 11:30 a.m. to 12:30 p.m. in Madisonville A/B.
- If you’d like to open a new Interpretation or Action Item, this should be done through the National Board Business Center.
  - Anyone, member or not, can open a new item.
- Meeting schedules, meeting room layouts, and other helpful information can be found on the National Board website under the **NBIC** tab → NBIC Meeting Information.
- **The NBIC Committee has transitioned from NB File Share to SharePoint.** Remember to add any attachments that you’d like to show during the meeting (proposals, reference documents, PowerPoints, etc.) to the NBIC SharePoint site ([nationalboard.sharepoint.com/sites/NBIC](http://nationalboard.sharepoint.com/sites/NBIC)) **prior to the meeting**.
  - Note that access to the NBIC SharePoint site is limited to committee members only.
  - ALL PowerPoint attachments/presentations must be sent to the NBIC Secretary for approval prior to the meeting.
  - Contact Jonathan Ellis ([nbicsecretary@nbbi.org](mailto:nbicsecretary@nbbi.org)) for any questions regarding NBIC SharePoint access.
- All proposals should be submitted in word with “strike through/underline” tracking.
  - Please contact me ([jmetzmaier@nbbi.org](mailto:jmetzmaier@nbbi.org)) if you need any help with this.
  - Project Managers: please ensure any proposals containing text from the 2023 NBIC are updated to contain text from the 2025 NBIC.
- As a reminder, anyone who would like to become a member of a group or committee:
  - Should attend at least 2 meetings prior to being put on the agenda for membership consideration. The nominee will be on the agenda for vote during their 3<sup>rd</sup> meeting, and they would become a voting member during their 4<sup>th</sup> meeting.
  - The nominee must submit the formal request along with their resume to the NBIC Secretary, Jonathan Ellis, **PRIOR TO** the meeting. [nbicsecretary@nbbi.org](mailto:nbicsecretary@nbbi.org)
  - If needed, we can also create a ballot for voting of a new member between meetings.
- Thank you to everyone who registered online for this meeting. The online registration is very helpful for planning our reception, meals, the room set up, etc. Please continue to use the online registration for each meeting, whether you are attending in person or remote. It also is a good way to make sure we have the most up-to-date contact information.

NBIC Action Item 25-13  
 Submitted by Mike Wahl (mikew.steam@gmail.com)  
 Submitted on 1/16/25  
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**THE NATIONAL BOARD  
 OF BOILER AND PRESSURE VESSEL INSPECTORS**

<b>Subject:</b>	Update Table S2.7.1
<b>NBIC Location:</b>	Part 3, Supplement 2
<b>Statement of Need:</b>	Update the table to add acceptable materials for bronze casting and washout plugs, rivets and clarify the difference between flange bolts and boiler casting studs.
<b>Background Information:</b>	<ol style="list-style-type: none"> <li>1. NBIC Supplement 1, Table S1.1.3.1 currently allows or the use of SB-148 for the same application of bronze castings and washout plugs.</li> <li>2. ASME added SA-36 as an acceptable rivet material in the 2004 addition. ASME Section 1, PG-14 calls out the material and requirements when being used. The test requirements are the same as the test requirements for SA-31 rivets.</li> <li>3. The current table doesn't include any materials for studs that attach components to the boiler.</li> </ol>
<b>Changes</b>	<ol style="list-style-type: none"> <li>1. Add SB-148 to Bronze Casting and Washout Plugs</li> <li>2. Add A-36 to Rivets</li> <li>3. Add * behind A-36 Rivets</li> <li>4. Add * note at bottom of table. "SA-36 Rivets must comply with the requirements ASME Section 1, PG-14"</li> <li>5. Add "Boiler Studs for Component Attachment" to Application List with SA-675 Grade 70 and SA-36 for the Specification.</li> </ol>

NBIC Action Item 25-13  
 Submitted by Mike Wahl (mikew.steam@gmail.com)  
 Submitted on 1/16/25  
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TABLE S2.7.1  
 MATERIALS LIST FOR HISTORIC BOILERS

Application	Specification
Boiler Tubes & Flues	SA-178 Grade A, SA-192, SA-210
Boiler & Firebox	Plate SA-285 Grade C, SA-515, SA-516
Staybolts & Patch Bolts	SA-675, SA-36, ASTM A-31
Boiler Braces	SA-675, SA-36
Rivets	SA-675, SA-31, SA-36*
Forged Parts & Fittings	SA-105, SA-217
Hollow Cylindrical Pressure Retaining Parts	SA-105 Forgings SA-675 Bar Stock
Pipe Flanges	SA-181, SA-105
Flange Bolts, Studs & Nuts	SA-193-B7, SA-194-2H
Bronze Castings & Washout Plugs	SB-61, SB-62, SB-148
Boiler Studs for Component Attachment	SA-675 Grade 70, SA-36

\* SA-36 Rivets must comply with the requirements ASME Section 1, PG-14

NBIC Action Item 25-14  
 Submitted by Mike Wahl (mikew.steam@gmail.com)  
 Submitted on 1/16/25



THE NATIONAL BOARD  
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<b>Subject:</b>	<b>Update location, title and terminology for UT requirements on boilers with Insulation and Jackets</b>
<b>NBIC Location:</b>	Part 2, Supplement 2
<b>Statement of Need:</b>	Currently this information is not in the same location as the other UT requirements in Part 2 Supplement. The terminology for which areas can be used is vague and general.
<b>Background Information:</b>	The firebox is a general term used on a historical boiler. Only the outside of the firebox (wrapper sheet, throat sheet and backhead) are covered with insulation and jacketing. The inside (rear tube sheet, door sheet, side sheets and crown sheet) are not cover and can be inspected in their entirety.
<b>Changes</b>	<ol style="list-style-type: none"> <li>1. Move from Part 2, Supplement 2, S2.10.8 to Part 2, Supplement 2, S2.6.2.1.</li> <li>2. Update Title to "UT EXAMINATION OF BOILER WITH INSULATION AND JACKETING"</li> <li>3. Update a) to state wrapper sheet, throat sheet, and backhead instead of firebox.</li> </ol>

### **S2.10.8S2.6.2.1 ULTRASONIC THICKNESS TESTING OF BOILER WITH INSULATION AND JACKETING**

- a) The pressure retaining item shall be subjected to ultrasonic thickness testing (UT) per S2.6.2 to establish a baseline thickness for all of the boiler components. The original Manufacturer's Data Report may be used to establish baseline thickness. Recurring UT inspections per S2.6.2 f) may be taken at the bottom of the barrel and around the bottom of the **firebox wrapper sheet, throat sheet, and backhead.**
- b) Should removal of the insulation and jacket be requested by the Inspector, agreement should be obtained by the owner or user, Inspector, and jurisdiction if required.