THE NATIONAL BOARD
OF BOILER AND PRESSURE VESSEL INSPECTORS

Date Distributed: February 9, 2026

NATIONAL BOARD INSPECTION CODE SUBGROUP INSPECTION

MINUTES

Meeting of January 13, 2026
New Orleans, LA

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**
   James Roberts, Chair of the Inspection Subgroup (SG), called the meeting to order at 8:03 a.m. Central Time, in Orleans AB on the 1st 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% - 13 of 24 needed)**
   With 24 of 24 members in attendance, both in person and online, a quorum was established.

4. **Awards/Special Recognition - None**

5. **Announcements**
   J. Metzmaier read the announcements (**Attachment Page 3**) and the NBBI Meeting Code of Conduct to the SG. The NBBI Meeting Code of Conduct can be found on the National Board website.

6. **Adoption of the Agenda**
   - Add Daniel Fulford for Membership Nomination
   - Add Item 25-81: NDE Preparation & Examiner Proficiency Needs

   A motion was made to adopt the agenda. The motion was seconded. The above items were added to the agenda, and the motioner amended his motion to adopt the revised agenda. The motion was seconded and unanimously approved.

7. **Approval of the Minutes of the July 2025 Meeting**
   The minutes from the July 2025 meeting can be found on the NBIC Committee information page on the National Board's website, nbbi.org.

   A motion was made to approve the minutes from the July 2025 meeting. The motion was seconded and unanimously approved.

8. **Review of Rosters**
   a. **Membership Nominations**
      D. Fulford (User) would like to become a member of the SG Inspection.

      D. Fulford spoke on his behalf and stated why he would like to be a member of the SG. Vincent Scarcella & Tim Bolden both spoke in favor of D. Fulford becoming a member of the SG. After reviewing the current members and interest categories, a motion was made to recommend D. Fulford become a member of the SG. The motion was seconded and unanimously approved.

   b. **Membership Reappointments**
      The following Subgroup members are up for reappointment: Chuck Becker, Lee Burton, and Tom Vandini.

      J. Roberts confirmed with all three members that they would like to be reappointed to the SG. A motion was made to reappoint all three members. The motion was seconded and unanimously approved.

   c. **Officer Appointments** - None

9. **Open Items Related to Inspection**
   a. **PRD**
      i. **Item 24-91** – Require means to prevent safety valve discharge piping blockage for LCDSV (Part 4)
   b. **R&A**
      i. **Item 21-53** – Post repair inspection of weld repairs to CSEF steels. (P. Gilston as PM)
      ii. **Item 24-18** – Definition of Controlled Fill (P. Gilston as PM)
      NOTE: This is a definition that will be in all parts, and all parts must agree.

10. Interpretations

Item Number: I25-02	NBIC Location: 2023 NBIC, Part 2, 4.4.7.3 and 4.5.3 b)	Attachment Page 4
General Description: Overriding Part 2 Inspection Requirements with RBI Program **Subgroup:** Inspection **Task Group:** D. Graf (PM), J. Beauregard, J. Sowinski, J. Mangas, L. Burton, B. Ray, J. Jessick **Submitted by:** Riley Collins **Explanation of Need:** There needs to be some clarity on whether an RBI program has the ability to override some of the inspection requirements listed in Part 2 as long as all jurisdictional requirements are met.		
January 2026 Meeting Action: Darrell Graf shared a proposal for this interpretation. After a short review, a motion was made to approve the proposal as presented. The motion was seconded and **unanimously approved**. Based on this interpretation a new item will be opened regarding RBI in Part 2.		

Item Number: I25-34	NBIC Location: 2023 NBIC, Part 2, 2.3.6.2 b) 2) a. 3.	No Attachment
General Description: Interpretation request into the NBBI for the NB-23 2023 paragraph 2.3.6.2 **Subgroup:** Inspection **Task Group:** C. Becker (PM), J. Baureguard, D. Fulford, J. Holland, V. Newton, J. Clark **Submitted by:** Ari Ben Swartz **Explanation of Need:** Numerous air receivers are found to be less than the required wall thickness.		
January 2026 Meeting Action: Progress Report: C. Becker will work with the TG further. James Hadley pointed out that this item could possibly be combined with item 25-27.		

Item Number: I25-39	NBIC Location: 2023 NBIC, Part 2, Forms	No Attachment
General Description: Replacement of Stamped Data **Subgroup:** Inspection **Task Group:** C. Becker (PM), C. Moultrie, R. Kennedy, K. Barkdoll. J. Smith, B. Ross, J. Clark, G. Scribner **Submitted by:** G. Scribner **Explanation of Need:** ASME Certificate Holders who are successor organizations, are confusing the requirements of ASME CA-1, section 5.4 which allows the original manufacturer or a successor organization to reapply the ASME Single Certification Mark and designator to allow them to put the name of the successor organization on the nameplate.		
January 2026 Meeting Action: Progress Report: C. Becker reviewed this interpretation with the SG. He also presented a proposal. After review and discussion of the proposal, it was decided that the proposal is not ready to be moved forward. The TG should have a new proposal to present at the next meeting.		

Item Number: I25-58	NBIC Location: Part 2, 5.2.1 f)	No Attachment

General Description: Replacement of Stamped Data

Subgroup: Inspection
Task Group: None assigned.
Submitted by: T. Hellman

Explanation of Need: If the applicable letter of the alphabet depicting the Code of Construction is NOT allowed to be stamped on a replacement nameplate, then the replacement nameplate will need to have additional stamping/marking to identify the Code of Construction.

January 2026 Meeting Action:
The SG reviewed the interpretation. After review, the SG chose to create a TG.

Task Group: C. Becker (PM), W. Griffith

11. Action Items

Item Number: 23-81	NBIC Location: Part 2, 4.4.3 b)	Attachment Pages 5-9

General Description: Evaluate Inspector responsibilities relating to 4.4.3 FFS

Subgroup: Inspection
Task Group: M. Horbaczewski (PM), V. Scarcella, J. Clark, B. Ray, J. Ferreira, J. Sowinski, B. Ross, D. Fulton, L. Burton
Submitted by: R. Underwood

Explanation of Need: Currently, 4.4.3-b states the Inspector shall review the condition assessment methodology and ensure the inspection data and documentation are in accordance with Section 4. This proposal would redefine the role and responsibility of the Inspector.

January 2026 Meeting Action:
Mark Horbaczewski reviewed this proposal with the SG. He explained that this proposal went to Letter Ballot (LB) to the SG and a quorum was not established to pass the proposal. Gary Scribner and Jon Ferreira joined the meeting to discuss this item. During review of the proposal G. Scribner noted that a new item should be opened to make changes to NBIC Part 2, 4.4.3 a). A motion was made to accept as proposal as presented. The motion was seconded and **unanimously approved**.

Item Number: 24-03	NBIC Location: Part 2, Supplement 6	No Attachment

General Description: Revise "Inspector" terminology and requirements in Supplement 6

Subgroup: Inspection
Task Group: R. Kennedy, and J. Smith (PM)
Submitted by: R. Underwood

Explanation of Need: Part 2 Supplement 6 should be revised to align with Part 3, Suppl 6 and the DOT. A few references are S6.4.2 a), S6.4.2 c), S6.4.4, S6.4.5, S6.4.6, and S6.4.6.1. However, this may not be an all-inclusive list.

January 2026 Meeting Action:
Progress Report: Jeremy Smith gave a progress report.

Item Number: 24-37	NBIC Location: Part 2, 2.2.10	Attachment Pages 10-12

General Description: Add language in the event boiler can't be secured at the time of inspection

Subgroup: Inspection
Task Group: T. Bolden (PM), J. Smith, B. Steinhart, D. Fulford, J. King, W. Hackworth, B. Ross
Submitted by: V. Scarcella

Explanation of Need: In some circumstances boilers cannot be shut down and a dead man switch is not allowed.

January 2026 Meeting Action:
T. Bolden presented and reviewed the proposal with the SG. He stated this proposal was sent to LB and did not pass due to no quorum. The group discussed different ways to make sure the committee members don't forget to vote on LB's. He suggested using outlook to create an appointment as a reminder for the LB deadline. A motion was made to accept the proposal as presented. The motion was seconded and **unanimously approved**.

Item Number: 24-42	NBIC Location: Part 2, 2.4.1 and 2.4.4	No Attachment

General Description: Add language to NBIC Part 2 in regard to piping inspections

Subgroup: Inspection
Task Group: D. Graf (PM), K. Barkdoll, R. Kennedy, B. Wilson, J. Beauregard, W. Griffith, G. Kopp
Submitted by: V. Scarcella

Explanation of Need: Two fatal incidents resultant from radiator failure prompted an ask for these changes.

January 2026 Meeting Action:
Progress Report: D. Graf gave a progress report on this item. He wanted to discuss with the group if the NBIC is the correct location for this type of language. The SG discussed if new supplement was applicable to residential or not. The SG noted that this topic is not regarding residential. After a lot of discussion the PM chose to take this item back to the TG to create a proposal. Once they have a proposal they will send it to the Chair so he can send it to the NBIC Secretary and send the proposal out for LB for review and comment.

Item Number: 24-62	NBIC Location: Part 2, Section 2	No Attachment

General Description: Temporary Boiler Inspection

Subgroup: Inspection
Task Group: P. Pollick (PM), V. Newton, B. Ross, M. Horbaczewski, J. Mangus, J. Beaureguard, M. Whitlock, T. Bolden
Submitted by: V. Scarcella

Explanation of Need: No guidance for inspectors for temporary boiler inspections.

January 2026 Meeting Action:
Progress Report: P. Polick presented this item to the SG. V. Scarcella stated that he spoke with Tom Clark, SG Installation Chair, and they decided the TG for this item and members of SG Installation will work together to come up with a proposal.

TASK GROUP: Add T. Clark

Item Number: 24-76	NBIC Location: Part 2, S7.9	Attachment Pages 13-14

General Description: Revision to Part 2, S7.9

Subgroup: Inspection
Task Group: T. Vandini (PM), D. Graf, J. Clark, C. Moultrie, L. Burton, M. Whitlock, P. Polick, J. Roberts
Submitted by: James Roberts
Explanation of Need: Currently commercially refurbishers can inspect pressure vessels per NBIC S7.8.1 through S7.8.5 and place back into service without any statement this inspection was completed and by who.

January 2026 Meeting Action:
T. Vandini presented this item and a proposal to the SG. During discussion there were a few changes made to the proposal. A motion was made to accept the revised proposal. The motion was seconded and **unanimously approved**.

Item Number: 24-84	NBIC Location: Part 2, 2.3.6.10 and 2.3.6.11	No Attachment

General Description: Vessels above 10,000 psi reevaluation of remaining life

Subgroup: Inspection
Task Group: V. Newton (PM), J. Mangas, V. Scarcella, D. Fulford, J. King
Submitted by: Craig Bierl

Explanation of Need: Inspectors need to be able to have a paper trail of the code integrity of these vessels. Changing the original data (in this case, designed cycle life) should ONLY be completed with the involvement of an authorized inspector and MUST be documented on a National Board form in order to be audited by the inservice inspector.

January 2026 Meeting Action:
Progress Report: V. Newton gave a progress report on this item. He stated the TG is still working on a proposal.

Item Number: 25-23	NBIC Location: Part 2, 3.4.8	No Attachment

General Description: Add guidance for tube sag allowance

Subgroup: Inspection
Task Group: J. Jessick (PM), B. Ray, J. Sowinski, T. Bolden
Submitted by: V. Scarcella

Explanation of Need: Inspectors were asking for clarification and better guidance. Item needs a working group to consider language.

January 2026 Meeting Action:
Progress Report: J. Jessick stated since he was not in person for this meeting, he would like B. Ray to give a progress report. B. Ray gave a progress report to the SG. He also stated this item was talked about in the Part 2/3 meeting.

Item Number: 25-27	NBIC Location: Part 2, 2.3.6.2, 2.3.6.4, 4.4, S7.8	No Attachment

General Description: Fitness-for-service coordination with API 579-1/ASME FFS-1

Subgroup: Inspection
Task Group: B. Ray (PM), D. Graf, J. Hadley, J. ~~Selensky~~Sowinsky, C. Moultrie, J. Jessick
Submitted by: J. Hadley

Explanation of Need: Alert users about situations where acceptance criteria in Part 2 may be less strict than API 579-1/ASME FFS-1.

January 2026 Meeting Action:
Progress Report: B. Ray gave a progress report to the SG.

Item Number: 25-31	NBIC Location: Part 2, New Supplement	No Attachment

General Description: Add a supplement that lists the standard boiler and pressure vessel types

Subgroup: Inspection
Task Group: J. Safarz (PM), M. Mooney, M. Horbaczewski, M. Whitlock, B. Ross, R. Wallace
Submitted by: V. Scarcella

Explanation of Need: This would get states using the standard across the country both from a violation and object type.

January 2026 Meeting Action:
Progress Report: J. Safarz presented this item to the SG and gave a progress report.

Item Number: 25-32	NBIC Location: Part 2, New Supplement	No Attachment

General Description: Referenced standards added supplement to NBIC Part II

Subgroup: Inspection
Task Group: W. Griffith (PM), J. Holland, J. Hadley, D. Fulford, M. Whitlock, J. Smith
Submitted by: V. Scarcella

Explanation of Need: Need working group to review and propose appropriate action.

January 2026 Meeting Action:
Progress Report: W. Griffith gave a progress report on this item.

Item Number: 25-76 (formerly 25-43)	NBIC Location: Part 2, 5.3.2	No Attachment

General Description: Revise NB-4, NB-6, & NB-7

Subgroup: Inspection
Task Group: B. Ross (PM), B. Steinhart, K. Barkdoll, V. Scarcella, M. Mooney
Submitted by: V. Scarcella

Explanation of Need: Updates for clarity.

January 2026 Meeting Action:
V. Scarcella stated to the group that all necessary revisions were made with a previous action item, and a motion was made to **close this item with no action**. The motion was seconded and unanimously approved.

After lunch the SG chose to re-address this item to review the changes that were being proposed to the forms. T. Bolden suggested we create guidelines on how to complete these forms since many of the other forms in the NBIC have instructions. The SG questioned if the changes are in line with the wording in the NBIC. The item should still be closed with no action. A new item may be opened to create the instructions.

12. New Items

Item Number: 25-15	NBIC Location: Part 2, S12.7	No Attachment

General Description: LCDSV Systems: Add Table and Figure

Subgroup: SG Inspection (formerly SG Installation)
Task Group: None assigned.
Submitted by: M. Byrum

Explanation of Need: In accordance with the NBIC Policy For Metrication, metric units need to be shown alongside US customary units. Tables in Part 2, S12.7 will need to match those done under Item 24-56 in Part 1, Table S3.6.1 and Figure S3.6.1-b both show only US customary units. I recommend adding a Table S12.7M and Figure S12.7M to show metric units.

January 2026 Meeting Action:
This item was originally assigned to the wrong subgroup, as the inquirer listed the wrong NBIC Part. The item has been reassigned to the SG Inspection for review. After reviewing this item, a TG was assigned.

TASK GROUP: V. Newton (PM), J. Clark

Item Number: 25-54	NBIC Location: Part 2, 5.2.2 a)	Attachment Page 15

General Description: NB-136 Instructions updated - 5.2.2 a)

Subgroup: Inspection
Task Group: None assigned.
Submitted by: T. Hellman

Explanation of Need: Clarification on the minimum documents to submit for filing with the NB, and consistency with the online NB-136 instructions is needed.

January 2026 Meeting Action:
The proposal from T. Hellman was reviewed, and a motion was made to accept the proposal as presented. The motion was seconded and **unanimously approved**.

Item Number: 25-55	NBIC Location: Part 2, 5.2.3	No Attachment

General Description: Rules for Replacing and Re-attaching Duplicate Nameplates

Subgroup: Inspection
Task Group: None assigned.
Submitted by: A. Renaldo

Explanation of Need:
1. Update title to clarify what is included in the section.
2. Change duplicate to "DUPLICATE" to match format in ASME Code.
3. Added guidance for when original manufacturer no longer exists.
4. Remove requirement to contact Jurisdiction to replace duplicate nameplate since the original Code of Construction did not require Jurisdiction involvement with the duplicate nameplate.
5. Clarify that the original manufacturer is not responsible for ensuring that the vessel still meets Code when asked to confirm if a detached duplicate nameplate corresponds to a particular vessel or provide a replacement duplicate nameplate.

January 2026 Meeting Action:
The SG reviewed this item and chose to create a TG to review the proposal.

TASK GROUP: C. Becker (PM), J. Clark, G. Kopp, R. Kennedy, J. Sowinsky, L. Williams

NOTE: During the Main Committee meeting Adam Renaldo stated he would like to join this TG.

Item Number: 25-61	NBIC Location: Part 2, Form NB-136	No Attachment

General Description: Update Form NB-136

Subgroup: Inspection
Task Group: None assigned.
Submitted by: T. Clark

Explanation of Need: The most common issue with duplicate or replacement nameplates is incorrect stamping. Either the provided information is wrong, required information is missing, or ASME stamping is replicated without authorization. Inspectors do not seem to be familiar enough with the replacement process or ASME stamping requirements to catch mistakes. To prevent these mistakes from occurring, some jurisdictions are requiring Block 15 of Form NB-136 to be filled out prior to approval.
Proposal: add a new block between the existing blocks 12 and 13. This block would require the applicant to provide a facsimile of their proposed stamping for review prior to jurisdictional approval. This will help more jurisdictions catch stamping errors before they occur.

January 2026 Meeting Action:
After reviewing this item, The SG chose to create a TG.

TASK GROUP: C. Becker (PM), J. Clark, Jake Gaucher, M. Whitlock

Item Number: 25-64	NBIC Location: Part 2, S6.17	No Attachment

General Description: Revise definitions of "Normal Operating Loading" and "Poisonous Material"

Subgroup: Inspection
Task Group: None assigned.
Submitted by: J. Ellis

Explanation of Need: The U.S. DOT does not appear to have an official definition of "Normal Operating Loading", nor does the current definition seem to make sense. The existing definition for "Poisonous Material" in Part 2 is incomplete.

January 2026 Meeting Action:
The proposal for this item was reviewed, and the SG chose to create a TG for further review.

TASK GROUP: D. Fulford (PM), A. Cheng, D. Graf

Item Number: 25-68	NBIC Location: Part 2	No Attachment

General Description: Cryogenic Vessel Inspection Standard

Subgroup: Inspection
Task Group: None assigned.
Submitted by: V. Scarcella

Explanation of Need: Currently thousands of inspections are being done without any guidelines.

January 2026 Meeting Action:
The SG discussed this item with the submitter. The SG asked him a few questions as to the origin of this item. After discussion the SG chose to create a TG to review this section of the NBIC.

TASK GROUP: D. Graf (PM), V. Newton, J, Beauregard, J. Mangus, L. Burton

NOTE: During Main Committee meeting Adam Renaldo stated he would like to join this TG.

Item Number: 25-69	NBIC Location: Part 2, 2.3.6.8	No Attachment

General Description: Review 2025 ASME PVHO to make sure NBIC is up to date

Subgroup: Inspection
Task Group: None assigned.
Submitted by: V. Scarcella

Explanation of Need: Came up during the chief's meeting in October.

January 2026 Meeting Action:
V. Scarcella presented this item to the SG and a TG was assigned.

TASK GROUP: J. Bell (PM), D. Fulford, W. Hackworth, J. Smith, T. Bolden

Item Number: 25-70	NBIC Location: Part 2, New Supplement	No Attachment

General Description: Add Guidelines to Address Overpressure Protection by System Design

Subgroup: Inspection
Task Group: None assigned.
Submitted by: B. Viers

Explanation of Need: Overpressure protection by system design is covered in ASME Section XIII Part 13, but no guidance exists in the NBIC to address inspections of these systems. This would be a new supplement in Part 2.

January 2026 Meeting Action:
During the July 2025 NBIC meeting, the PRD group was informed that the BOT and Executive Committee felt this topic would be better handled by the SG Inspection. The item has been moved from SG PRD to SG Inspection. After reviewing the item and the proposal that SG PRD had created, a TG was assigned. Many of the SG PRD members have asked to be included in the TG.

TASK GROUP: R. Kennedy (PM), D. Graf, W. Hackworth, J. Beauregard, K. Adkins, B. Nutter, J. Wolf, D. Sullivan, D. Merek, & J. Grace.

Item Number: 25-77	NBIC Location: Part 2, Table S6.13.11.2-b	Attachment Page 16

General Description: Corrections to Part 2, Table S6.13.11.2-b

Subgroup: Inspection
Task Group: None assigned.
Submitted by: J. Ellis

Explanation of Need: The metric and standard units in this table are inverted in the table's title and in the table's first column. This was discovered during a review of the Spanish translation of Part 2.

January 2026 Meeting Action:
After review of the proposal, a motion was made to accept the proposal as presented. The motion was seconded and **unanimously approved**.

J. Roberts asked Vice Chair, J. Clark to act as Chair for the next item.

Item Number: 25-79	NBIC Location: Part 2, S7.4	Attachment Pages 17-18

General Description: Added a new paragraph to S7.4 to address nameplates during inspection.

Subgroup: Inspection
Task Group: None assigned.
Submitted by: J. Roberts

Explanation of Need: S7.4 does not address inspecting the code nameplate on the pressure item or referencing where to go if the nameplate is lost, detached, or illegible.

January 2026 Meeting Action:
J. Roberts presented a proposal to the SG. A motion was made to accept the proposal as presented. The motion was seconded and **unanimously approved**.

J. Clark turned the meeting back over to J. Roberts.

Item Number: 25-81	NBIC Location: Part 2, 2.2.3	No Attachment

General Description: NDE Preparation & Examiner Proficiency Needs

Subgroup: Inspection
Task Group: None assigned.
Submitted by: Sean Franklin (Electric Power Research Institute)

Explanation of Need: Due to rising energy consumption and demand, existing generating assets on the grid are being asked to extend their life in order to meet that growing demand. The construction of new generating facilities has been slow to build a new generation of skilled trades workforce. As attrition of experienced personnel has decreased the available NDE workforce, coupled with the economic pressures that shrink plant shutdowns that were the prime targets for on-the-job training, a growing safety concern has been building with respect to the quality of NDE examinations being conducted on pressure retaining components. Based on operating experience, flaws are being missed as much as "false calls" are being reported, both having economic impacts but missed flaws creating safety concerns. A need to decrease uncertainty in validating asset integrity is necessary to ensure generating plants can operate reliably. Currently, there is no mention of what is considered to be a proficient NDE examiner. By creating proficiency rules, organizations can ensure that only qualified personnel perform NDE, reducing the risk of costly mistakes and unnecessary work.

January 2026 Meeting Action:
S. Franklin presented a proposal to the SG. M. Horbaczewski stated during the Part 2/3 meeting they had extensive discussion regarding this topic. After a long discussion the SG created a TG.

TASK GROUP: M. Horbaczewski (PM), T. White, R. Wallace, R. Kennedy, D. Rose, P. Polick, L. Williams, P. Davis, C. Becker, L. Burton, G. Kopp

13. Future Meetings

- July 13-16, 2026 – Salt Lake City, UT
- January 11-14, 2027 – Nashville, TN

J. Roberts spoke to the SG about the future meetings.

14. Adjournment

A motion was made to adjourn the meeting at 1:32 PM Central Time. The motion was seconded and unanimously approved.

Respectfully submitted,

Jodi Metzmaier
Subgroup Inspection Secretary

Subgroup Inspection Member Attendees - January 2026

Name:	Interest Category	Email	Registered	In Person Attendance	Remote Attendance	Not In Attendance
James Roberts - Chair	Manufacturers	james.roberts@triarccorp.com	In-Person	x		
Jim Clark - Vice Chair	Manufacturers	James.clark@wthg.com	In-Person	x		
Jodi Metzmaier - Secretary	NBBI	jmetzmaier@nbbi.org	In-Person	x		
Joseph Beauregard	Users	joeducati@hotmail.com	In-Person	x		
Chuck Becker	Authorized Inspection Agencies	hggbecker@yahoo.com	In-Person	x		
James Bell	Manufacturers	jim@finkusa.com	In-Person	x		
Tim Bolden	Authorized Inspection Agencies	timothy.bolden@cna.com	In-Person	x		
Lee Burton (Damon)	National Board Certificate Holders	burtondl@airproducts.com	In-Person	x		
James Calvert	National Board Certificate Holders	jlcalvert@lilly.com	In-Person	x		
David Dexter	Users	dexterde@dow.com	Remote		x	
Darrell Graf	National Board Certificate Holders	grafdr@airproducts.com	In-Person	x		
Wil Griffith	Authorized Inspection Agencies	william.griffith@zurichna.com	In-Person	x		
William Hackworth	Authorized Inspection Agencies	william.hackworth@tuvsud.com	In-Person	x		
Jerry Jessick	Users	jjessick@fusion-etc.com			x	
Randy Kennedy	National Board Certificate Holders	crkennedy@babcock.com	In-Person	x		
John Mangas	General Interest	jcmangas@gmail.com		x		
Clay Moultrie	Manufacturers	cmoultrie@propanetank.com	In-Person	x		
Venus Newton	Authorized Inspection Agencies	venus_newton@yahoo.com	In-Person	x		
Pat Polick	Jurisdictional Authorities	patrick.polick@illinois.gov	In-Person	x		
Brent Ray	Users	bdray@marathonpetroleum.com	In-Person	x		
David Rose	Users	dr3747@telus.net	Remote		x	
Jason Safarz	General Interest	jsafarz@karldungsusa.com	In-Person	x		
Jeremy Smith	General Interest	jeremy.smith@labor.nc.gov	In-Person	x		
Brandon Steinhart	Authorized Inspection Agencies	brandon.steinhart@fm.com	In-Person	x		
Thomas Vandini	National Board Certificate Holders	tvandini@propanetank.com	In-Person	x		
Mike Whitlock	Authorized Inspection Agencies	gerald_whitlock@hsb.com	In-Person	x		

Subgroup Inspection Visitor Attendees - January 2026

Name	Company/Title/Interest	Email	Registered	In Person Attendance	Remote Attendance
Mark Horbaczewski	Diamond Technical Services	mhorbaczweski@diamondtechnicalservices.com	In-Person	x	
Andrew Frazier					x
Jon Ferriera	HSB		In-Person	x	
Rich Wallace	Diamond Technical Services	rwallace@diamondtechnicalservices.com			x
Keith Sanford	State of Texas				x
Kimberly Adkins	State of Virginia				x
Mike Nauer					x
Mike Walters	Superior			x	
Gavin Kopp	ABI			x	
Neil Oldfield	New Foundland & lab				x
Vincent Scarella	CNA Financial Corporation	Vincent.Scarcella@CNA.com	In-Person	x	
Daniel Fulford	Battelle Energy Alliance, LLC Quality Engineer	Daniel.fulford@inl.gov	In-Person	x	
James Sowinski	The Equity Engineering Group, Inc. Principal Engineer	jsowinski@e2g.com	In-Person	x	
Rhett Termini	Louisiana Office of State Fire Marshal	rhett.termini@la.gov	In-Person	x	
David Warburton	State of FL	David.Warburton@myfloridacfo.com	In-Person	x	
Kathy Moore	Joe Moore & Company, Inc.	kathymoore@joemoorecompany.com	In-Person	x	
Lance Williams	Marathon Petroleum	ldwilliams@marathonpetroleum.com	In-Person	x	
James Hadley	Fact Fancy, LLC	james.hadley@factplusfancy.com	Remote		x
Paul Davis	EPRI	pappy329@charter.net	In-Person	x	
Sean Franklin	EPRI	sfranklin@epri.com	In-Person	x	
Aaron Dunk	CAN Insurance	aaron.dunk@cna.com	Remote		x
Alex Chang	US DOT	kinwai.cheng@dot.gov	In-Person	x	
Don Barry	NL Health Services-Central Zone	don.barry@nlhealthservices.ca	Remote		x
Arnel Buquis	State of AZ	arnel.buquis@azdosh.gov	Remote		x
Grayson Newell	NBIIC	gnewell@nbbi.org	Remote		x
Christa Rogers	NBBI	crogers@nbbi.org	In-Person	x	
Amy Zehendner	NBBI	azehendner@nbbi.org	In-Person	x	
Raju Cunkari	NBBI	rcunkari@nbbi.org	In-Person	x	
John Burpee	NBBI	jhbtab3@gmail.com	In-Person	x	
Mark Mooney	NBBI	mmooney@nbbi.org	In-Person	x	
Lee Cochran	NBBI	lcochran@nbbi.org	In-Person	x	
Greg Goossens	NBBI	ggoossens@nbbi.org	In-Person	x	
Gary Scrbner	NBBI	gscribner@nbbi.org	In-Person	x	
Luis Ponce	NBBI	lponce@nbbi.org	In-Person	x	

Announcements

- Please make sure to use the microphones when speaking and grab the 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 C for the 2027 NBIC edition.
  - This is the last cycle for letter ballots.

- The National Board will be hosting a reception on Wednesday evening from 5:30 p.m. to 7:30 p.m. at The Hard Rock Café on Bourbon Street.

- 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 the Atrium on the 2nd floor of the hotel, and lunch will be served at the same location from 11:30 a.m. to 12:30 p.m.

- 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.

- 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) **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*) 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) 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 3rd meeting, and they would become a voting member during their 4th 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*

- 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.

- Review the "NBBI Meeting Code of Conduct."

NBIC Interpretation Item I25-02
Submitted by Riley Collins (rileycollins@eastman.com)
Submitted on: 12-5-2025

THE NATIONAL BOARD
OF BOILER AND PRESSURE VESSEL INSPECTORS

Subject:	Overriding Part 2 Inspection Requirements with RBI Program
NBIC Location:	Part 2, 4.4.7.3 & 4.5.3b)
Statement of Need:	There needs to be some clarity on whether an RBI program has the ability to override some of the inspection requirements listed in Part 2 as long as all jurisdictional requirements are met.
Background Information:	NBIC Part 2, Section 4, Para. 4.5.3 specifically states that one of the benefits of having an RBI program is to identify items that do not require inspection or mitigation. However, NBIC Part 2, Section 4, Para. 4.4.7.3 states that PRIs in non-corrosive service are required to have thickness measurements taken.
Proposed Question:	If a company has an established RBI program and has deemed a PRI to be in non-corrosive service through an RBI assessment, can the company choose to omit the thickness measurements called out in Part 2, Section 4, Para. 4.4.7.3 as long as all jurisdictional requirements are met?
Proposed Reply:	Yes.
Committee's Question:	If a company has an established RBI program and has deemed a PRI to be in non-corrosive service through an RBI assessment, can the company choose to omit the thickness measurements called out in Part 2, 4.4.7.3 as long as all jurisdictional requirements are met?
Committee's Reply:	Yes.
Rationale:	

Part 2 Item 23-81
10/1/25

Subject: Evaluate Inspector responsibilities relating to 4.4.3 FFS

Statement of Need: Currently, 4.4.3-b states the Inspector shall review the condition assessment methodology and ensure the inspection data and documentation are in accordance with Section 4. This proposal would redefine the role and responsibility of the Inspector.

Background Information: There has been confusion on what the Inspector is responsible for when signing an NB-403 Form for Fitness for Service. Inspectors are not trained in the various FFS or condition assessment methodology referenced in Section 4 and should not be responsible for ensuring that these methods are correct.

Proposal:

4.4 METHODS TO ASSESS DAMAGE MECHANISMS AND INSPECTION FREQUENCY FOR PRESSURE-RETAINING ITEMS

4.4.3 RESPONSIBILITIES

a) Owner or User

The owner or user of the pressure-retaining item is responsible for the selection and application of a suitable fitness for service or condition assessment methodology described in this section, subject to review and approval by the Jurisdiction, if required.

b) Inspector

The Inspector shall ~~review~~ confirm that the condition assessment has been performed, and ~~methodology and ensure~~ inspection data and applicable documentation are ~~in accordance with this section~~available.

FORM NB-403 REPORT OF FITNESS FOR SERVICE ASSESSMENT

in accordance with provisions of the *National Board Inspection Code*

~~F.F.S~~Fitness for Service (FFS) ASSES~~S~~MENT NO. _____

1. EQUIPMENT OWNER INFORMATION: _____
(name)

_____
(address)

2. FFS ASSESSMENT PERFORMED BY: _____
(Name of ~~Organization or Individual~~Engineering Organization or Engineer~~)~~ Organization or Individual Performing Assessment)

_____
(address)

3. LOCATION OF EQUIPMENT INSTALLATION: _____
(Name of Company)

_____ _____
(address) (Jurisdiction)

4. EQUIPMENT OR COMPONENT INFORMATION: _____
(MFG SR#, NB#, JURISDICTION# , YEAR BUILT, OTHER)

_____
(Equipment Material Specification, Grade)

_____
(Design & Operating Pressures, Design & Operating Temperatures)

5. ORIGINAL CODE OF CONSTRUCTION: _____ _____ _____ _____ _____
(Name) (Section) (Division) (Edition) (Addendum)

~~FITNESS FOR SERVICE~~FFS STANDARD USED FOR ASSESSMENT _____

6. FLAW TYPE(S) AND / OR DAMAGE MECHANISMS CONSIDERED IN FFS ASSESSMENT: _____

7. FFS ASSESSMENT PROCEDURES (ATTACH FFS ASSESSMENT REFERENCE DOCUMENTS WITH DETAILS IF APPLICABLE):

INSPECTION RESULTS: _____
(Type of NDE Performed, Pressure Tests, Thickness Measurements, etc.)

FAILURE MODES IDENTIFIED: _____
(Crack-Like Flaws, Pitting, Bulges/Blisters, General or Localized Corrosion, etc.)

8. FFS ASSESSMENTS RESULTS / RECOMMENDATIONS (CHECK BOXES THAT APPLY AND PROVIDE DETAILS):

☐ CONTINUED OPERATION ☐ REPAIR ☐ REPLACE ☐ CONTINUE OPERATION UNTIL: _____

DETAILS (IF APPLICABLE) _____

9. OWNERS INSPECTION INTERVALS (BASED ON ASSESSMENT): _____
(Months/Years)

10. IN SERVICE MONITORING METHODS AND INTERVALS: _____
(Methods, Months/Years)

11. OPERATING LIMITATIONS (IF APPLICABLE): _____

CERTIFICATE OF COMPLIANCE

I, _____, the undersigned certify ~~that~~ to the best of my knowledge and belief, the statements in this report are correct and that the information, data, and identification numbers are correct and in accordance with provisions of the *National Board Inspection Code*, Part 2, 4.4. Applicable documentation is attached to support this assessment.

Owner ~~Name~~: _____
(Printed Name)

Signature: _____ Date: _____
(Owner Representative)

Organization Performing Assessment: _____
(Printed Name)

Signature: _____ Date: _____
(~~Responsible Engineer~~) (Representative of Organization Performing Assessment)

CERTIFICATE OF INSPECTION

I, _____, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency, where required, issued by the Jurisdiction of _____ and employed by _____ of _____ have reviewed this report on _____, and state that to the best of my knowledge and belief, this work complies with the applicable requirements of the National Board Inspection Code. By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage, or loss of any kind arising from or connected with this document review.

Signature: _____ Date: _____ NB Commission #: _____
(Inspector) (NB & Jurisdiction Number)

Action Item 23-81
Rev. 10-1-25

5.3.4 GUIDE FOR COMPLETING FITNESS-FOR-SERVICE ASSESSMENT REPORTS

1) For tracking and reference purposes, indicate the sequential Fitness-for-Service Assessment number.
2) Name and address of the owner of the equipment that is being assessed for Fitness for Service.
3) Name and address of the organization or individual performing the Fitness-for-Service Assessment.
4) Name and address of the facility where the equipment being assessed for Fitness for Service is located.
5) Name of the Jurisdiction where the assessed equipment is located.
6) Identification of equipment, including manufacturer, manufacturer's serial number, National Board number, Jurisdiction-assigned registration number, and year built. Also include equipment/component material specification/grade, design and operating pressures, design and operating temperatures, if applicable.
7) Indicate the name, section, division, edition, and addenda of the original code of construction.
8) Name of the standard used to perform the Fitness-for-Service Assessment.
9) Description of the equipment / component damage mechanism or flaw types considered in the Fitness-for-Service Assessment.
10) Description of the Fitness-for-Service Assessment level and technique. Attach all relevant Fitness-for-Service Assessment procedures and detailed documentation.
11) Description of the Inspection and NDE results as prescribed in the Fitness-for-Service Assessment analysis.
12) Description of the failure, damage and deterioration modes identified in the Fitness-for-Service Assessment.
13) Indicate the results of the Fitness-for-Service Assessment, including remediation recommendations.
14) Indicate if the equipment can continue current operation.
15) Indicate if repairs are required.
16) Indicate if equipment replacement is required.
17) Indicate if continued operation has a finite date.
18) Indicate finite date of continued operation (if applicable).
19) Indicate the required Inspection intervals as determined by the Fitness-for-Service Assessment.
20) Indicate the required inservice monitoring methods and intervals for the equipment as defined by the Fitness for Service Assessment.
21) Describe any operating or inservice limitations for the equipment. This would include any reductions / changes in operating pressures or temperatures.
22) Type or print the name of the representative of the Organization or individual performing the Fitness-for-Service Assessment.
23) Name of the owner of the equipment.
24) Signature of owner representative.
25) Indicate the month, day, and year of the owner review and acceptance of Fitness-for-Service Assessment.
26) Indicate the name of the organization or individual performing the Fitness-for-Service Assessment ~~(this may be the same name as in line 22).~~
27) Signature of the ~~responsible engineer~~ representative of the organization or individual performing the Fitness-for-Service Assessment.
28) Indicate the month, day, and year of the completion of the Fitness-for-Service Assessment by the Organization
responsible.
29) Type or print the name of the Inspector.
30) Name of the Accredited Inspection Agency employing the Inspector.

31) Signature of the Inspector.
32) Indicate the month, day, and year of the review ~~and acceptance~~ by the Inspector of the Fitness-for-Service Assessment.
33) ~~National Board commission number of Inspector, Jurisdiction, and Certificate of Competency Numbers.~~ Inspector's National Board commission number and endorsement that qualifies the Inspector to sign this report, and when required by the Jurisdiction, the applicable State or Provincial numbers.
34) Indicate Inspector's Jurisdiction.
35) Indicate address of Inspector's employer (city and state or province).
36) Indicate month, day, and year of Inspector signature

Item 24-37
Part 2
Tim Bolden
Page **1** of **3**

2.2.5 EXTERNAL INSPECTION

The external inspection of a boiler is made to determine if it is a condition to operate safely. The inspection is intended to be conducted while the boiler is in operation; however, if acceptable to the jurisdiction, an external inspection may be performed while the boiler is not operational. The inspection may include: ~~to determine if it is in a condition to operate safely. Some items to consider are:~~

a) The boiler fittings, valves, and piping should be checked for compliance with ASME Code or other standards or equivalent requirements. Particular attention should be paid to pressure relief devices, controls and ~~other~~ safety devices ~~controls~~;

b) Firing equipment controls;

c) Adequacy of structure, boiler supports, and any associated support steel;

d) Boiler casing should be free from cracks, combustion gas or fluid leaks, excessive corrosion or other degradation that could interfere with proper operation;

e) Soot blowers, valves, and actuating mechanisms;

f) Gaskets on observation doors, access doors, drums, handhole and manhole covers and caps;

g) Valves and actuators, either chains, motors, and/or handwheels; and

h) Leakage of fluids or combustion gases.

2.2.10.6 CONTROLS

Establishing proper operation and maintenance of controls and safety devices is essential to safe boiler operation. Owners or users are responsible for establishing and implementing management programs which will ensure such action is taken. In addition, any repairs to controls and safety devices must only be made by qualified individuals or organizations. Documentation of compliance with these management systems and repairs is an essential element of demonstrating the effectiveness of such systems.

When required by the Jurisdiction, the following guidelines are provided to aid the Inspector in the evaluation of installed operating control devices:

a) Verify that the burner is labeled and listed by a recognized testing agency, that piping and wiring diagrams exist, that commissioning tests have been conducted and that a contractor/manufacturer's installation report has been completed and is available for review.

b) Verify that the owner or user has established function tests, inspection requirements, maintenance and testing of all controls and safety devices in accordance with manufacturer's recommendations. Verify that these activities are conducted at assigned intervals in accordance with a written procedure, that non-conformances which impact continued safe operation of the boiler are corrected, and that the results are properly documented. These activities shall be conducted at a frequency recommended by the manufacturer or the frequency required by the jurisdiction. Where no frequencies are recommended or prescribed, the activity should be conducted at least annually.

Where allowed by the jurisdiction, Performance Evaluation may be used to increase or decrease the frequencies based on document review and approval by an appropriate engineer.

c) Verify that combustion air is supplied to the boiler room as required by the jurisdiction or if no jurisdictional requirements exist see NBIC, Part 1, ~~2.5.4 and 3.5.4~~ 1.6.6 for additional guidance.

d) Verify ~~that~~ a manually operated remote ~~boiler emergency stop button~~ emergency shutdown switch exists ~~at each boiler room exit door, when~~ as required by the jurisdiction and their adopted codes.

e) Verify operation of low water protection devices by observing the blowdown of these controls or the actual lowering of boiler water level under carefully controlled conditions with the burner operating. This test should shut off the heat source to the boiler. The return to normal condition such as the restart of the burner, the silencing of an alarm, or stopping of a feed pump should be noted. A sluggish response of the water level after blowdown could indicate an obstruction in the connections to the boiler. If the control cannot be tested during the inspection, a review of relevant documentation may be conducted to confirm that the control is being properly maintained, and no known deficiencies exist.

f) Verify the ~~The~~ operation of a submerged low-water fuel cutoff mounted directly in a steam boiler shell ~~should be~~ by observing the testing~~ed~~ of this control by lowering the boiler water level carefully. This shall~~should~~ be done only after being assured that the water level gage glass is indicating correctly and there is no sluggish response after the column blowdown. If the control cannot be tested during the inspection, a review of relevant documentation may be conducted to confirm that the control is being properly maintained, and no known deficiencies exist.

~~f)~~

g) On a ~~high-temperature~~ hot water heating boilers, it is often not possible to test the control by cutoff indication, but where the control is of the float type, externally mounted, the float chamber ~~should~~ shall be drained to check for the accumulation of sediment.

h) On forced circulation boilers, verify the flow sensing device ~~shall be~~ to be operational by actual observing the testing~~ed~~ of the control to verify that the burner will shut down the boiler on a loss of flow. If the control cannot be tested during the inspection, a review of relevant documentation may be conducted to confirm that the control is being properly maintained, and no known deficiencies exist.

i) On electric boilers, it ~~should~~ shall be verified that the boiler is protected from a low water condition either by construction or a low water cutoff or a low flow sensing device.

j) In the event controls are inoperative or the correct water level is not indicated, the boiler shall be taken out of service until the unsafe condition has been corrected or mitigated.

k) Verify a~~A~~ll automatic low-water fuel cutoff and water-feeding devices ~~should be examined by the Inspector to ensure that they~~ are properly installed. During the internal inspection, ~~The Inspector~~ verify ~~should have~~ the float chamber types of control devices are disassembled and the float linkage and connections examined for wear. Confirm t~~T~~he float chamber ~~should be examined to ensure that it~~ is free of sludge or other accumulation. Any necessary corrective action shall be taken before the device is placed back into service. ~~The Inspector should~~ Also verify ~~check~~ that the operating instructions for the devices are readily available.

l) Check that the following controls/devices are ~~provided:~~ properly installed, maintained, and tested in accordance with the Manufacturer's recommendations or an industry standard:

1) Each automatically fired steam boiler is protected from overpressure by not less than two pressure operated controls, one of which may be an operating control.

When required by ~~the~~ code ~~of construction~~ or the jurisdiction, the high pressure limit control shall be of the manual reset type.

2) Each automatically fired hot-water boiler or hot-water boiler system is protected from over-temperature by not less than two temperature operating controls, one of which may be an operating control.

When required by ~~the~~ code ~~of construction~~ or the jurisdiction, the high temperature limit control shall be of the manual reset type.

3) Each hot-water boiler is fitted with a thermometer that will at all times, indicate the water temperature at or near the boiler outlet.

m) Verify that any repair, alteration, or replacement of a control or safety device complies with the following:

1) The requirements of the original installation code or jurisdiction, as appropriate.

2) The work is conducted by trained and qualified individuals, with any additional certification as required by the jurisdiction.

3) The work is documented.

NBIC Action Item A24-76
Submitted by James Roberts (james.roberts@triarccorp.com)
Submitted on July 26,2024
Revised: 1/9/2025

THE NATIONAL BOARD
OF BOILER AND PRESSURE VESSEL INSPECTORS

Subject:	Revision to Part 2, S7.9
NBIC Location:	Part 2, S7.9
Statement of Need:	Currently commercially refurbishers can inspect pressure vessels per NBIC S7.8.1 through S7.8.5 and place back into service without any statement this inspection was completed and by who.
Background Information:	

Proposed Text:

S7.9 ASME LPG PRESSURE VESSELS LESS THAN 2000 GALLONS BEING REFURBISHED BY A COMMERCIAL SOURCE

Commercially refurbished pressure vessels are used pressure vessels that are temporarily taken out of service for repair and or renewal and sent to a company which specializes in this type of work. Because the history of some of these pressure vessels is unknown, special attention shall be given to inspection and repair before returning any of these pressure vessels back to service. ASME LPG pressure vessels less than 2,000 gal. (7,570 l) may be refurbished subject to the following conditions:

a) A complete external inspection shall be completed under the guidelines of this supplement. If any defects are found, as defined in S7.8.1 through S7.8.5, the defect shall be repaired under NBIC Part 3, Repairs and Alterations, by qualified personnel or permanently removed from service;

b) Pressure vessels of this size that have been previously used in anhydrous ammonia service shall not be converted to LPG service. See NBIC Part 2, S7.8.6;

c) The coating on the outside of the pressure vessel shall be removed down to bare metal so that an inspection can be performed under the guidelines of this supplement; ~~and~~

d) Verify that there is no internal corrosion if the pressure vessel has had its valves removed or is known to have been out of service for an extended period~~.~~;

e) Removal and re-attachment of the original manufacturer's nameplate shall only be done in accordance with NBIC Part 2, 5.2.4; and~~.~~

~~e)~~f) ~~The refurbished commercial source shall apply a~~An adhesive ~~tag or~~ label ~~or wire tag~~ shall be applied near the service valve ~~to~~of the vessel with the following information:

-Name of the commercial source;
-Address of the commercial source;
-Year ~~of~~that the tank was refurbished.; and
-"This ASME LPG pressure vessel was commercially refurbished per NBIC S7.9."

NBIC Action Item A25-54
Submitted by T. Hellman (thellman@nbbi.org)
Submitted on 7/29/2025
Page **1** of **1**

THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS

Subject:	**NB-136 Instructions updated - 5.2.2 a)**
NBIC Location:	Part: Inspection; Section: 5; Paragraph: 5.2.2 a)
Statement of Need:	Clarification on the minimum documents to submit for filing with the NB, and consistency with the online NB-136 instructions is needed.
Background Information:	Clarification on the minimum documents to submit for filing with the NB, and consistency with the online NB-136 instructions is needed. - Proposed adding the words, "and any attachments" to Part 2, NB-136 instructions in 5.2.2 a).

Proposed Text:

5.2.2 REPORTING

a) The completed Form NB-136, *Replacement of Stamped Data Form*, any attachments, and ~~with~~ a facsimile of the replacement stamping or nameplate applied and appropriate signatures shall be filed with the Jurisdiction, if applicable and the National Board by the owner, user, original manufacturer, or “R” Certificate Holder.

b) The owner or user shall retain all documentation provided for traceability with the completed form NB-136 for as long as the pressure-retaining item is in their ownership or use. If the pressure-retaining item is sold, Form NB-136 along with the supporting documentation shall be provided to the new owner.

NBIC Action Item 25-77
Submitted by Jonathan Ellis (jellis@nbbi.org)
Submitted on December 11, 2025
Page **1** of **1**

THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS

Subject:	**Corrections to Part 2, Table S6.13.11.2-b**
NBIC Location:	2025 NBIC Part 2, Table S6.13.11.2-b
Statement of Need:	The metric and standard units in this table are inverted in the table's title and in the table's first column.
Background Information:	This was discovered during a review of the Spanish translation of Part 2.

Proposed Text:

TABLE S6.13.11.2-b

MINIMUM THICKNESS FOR SHELLS, ~~IN. (MM)~~MM (IN.)

Cargo tank motor vehicle rated capacity in liters (gallons)	**MS**	**SS/HSLA**	**AL**
More than 0 to at least ~~4,500~~ 17, 000 (0 to ~~17,000~~4,500)	2.54 (0.100)	2.54 (0.100)	3.84 (0.151)
More than ~~4,500~~17,000 to at least ~~8,000~~30,300 (~~17,000~~4,500 to ~~30,300~~8,000)	2.92 (0.115)	2.54 (0.100)	4.06 (0.160)
More than ~~8,000~~30,300 to at least ~~14,000~~53,000 (~~30,300~~8,000 to ~~53,000~~14,000)	3.28 (0.129)	3.28 (0.129)	4.39 (0.173)
More than ~~14,000~~53,000 (~~53,000~~14,000)	3.63 (0.143)	3.63 (0.143)	4.75 (0.187)
Note: The maximum distance between bulkhead, baffles, or ring stiffeners shall not exceed 1,525 mm (60 inches)			

NBIC Action Item 25-79
Submitted by James Roberts (james.roberts@triarccorp.com)
Submitted on December 11, 2025
Page **1** of **2**

THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS

Subject:	**Added a new paragraph to S7.4 to address nameplates during inspection.**
NBIC Location:	Part 2, S7.4a)
Statement of Need:	S7.4 does not address inspecting the code nameplate on the pressure item or referencing where to go if the nameplate is lost, detached, or illegible.
Background Information:	Many owners and jurisdictions may only use S7.4 to conduct inspections on pressure vessels. ASME code nameplates are not included in these inspections. Often, these nameplates are lost, detached, or illegible, and this issue must be resolved during the inspection.

Proposed Text:

S7.4 EXTERNAL INSPECTION

The pressure vessel shall be inspected for corrosion, distortion, cracking, or other conditions as described in this section. In addition, the following should be reviewed, where applicable:

Inspection shall consist of the following:

a) Design/operation

Verify from the nameplate the code of construction, temperature, and pressure ratings to ensure jurisdictional and system compatibility. If the nameplate is lost, illegible, or detached, see NBIC Part 2, 5.2.1.

~~a)~~b) Insulation or Coating

If the insulation or coating is in good condition and there is no reason to suspect an unsafe condition behind it, then it is not necessary to remove the insulation or coating in order to inspect the pressure vessel. However, it may be advisable to remove a small portion of the insulation or coating in order to determine its condition and the condition of the pressure vessel surface. For commercially refurbished pressure vessels see NBIC Part 2, S7.9.

~~b)~~c) Evidence of Leakage

Any leakage of vapor or liquid shall be investigated. Leakage coming from behind insulation or coating, supports, or evidence of past leakage shall be thoroughly investigated by removing any insulation necessary until the source is established.

~~c)~~d) Structural Attachments

The pressure vessel mountings should be checked for adequate allowance for expansion and contraction, such as provided by slotted bolt holes or unobstructed saddle mountings. Attachments of legs, saddles, skirts, or other supports should be examined for distortion or cracks at welds.

~~d)~~e) Pressure Vessel Connections

Components that are exterior to the pressure vessel and are accessible without disassembly shall be inspected as described in this paragraph. Manholes, reinforcing plates, nozzles, couplings, or other connections shall be examined for cracks, deformation, or other defects. Bolts or nuts should be examined for corrosion or defects. Weep holes in reinforcing plates shall remain open to provide visual evidence of leakage as well as to prevent pressure buildup between the pressure vessel and the reinforcing plate. Accessible flange faces should be examined for distortion. It is not intended that flanges or other connections be opened unless there is evidence of corrosion to justify opening the connection.

~~e)~~f) Fire Damage

Pressure vessels shall be carefully inspected for evidence of fire damage. The extent of fire damage determines the repair that is necessary, if any (See NBIC Part 2, S7.7).