



*THE NATIONAL BOARD  
OF BOILER AND PRESSURE VESSEL INSPECTORS*

# **NATIONAL BOARD INSPECTION CODE NR TASK GROUP**

## **MINUTES**

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Meeting of January 9, 2023  
Charleston, SC

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  
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**1. Call to Order**

Chair Spuhl called the meeting to order at at 8:00 a.m. EST. For those attending in person, the meeting will be held in Carolina B on the Mezzanine Level of the hotel.

**2. Introduction of Members and Visitors.**

Secretary Hellman called roll of the Members and held introductions of visitors ([Attachment 1](#))

**3. Check for a Quorum**

Secretary Hellman verified a quorum was reached.

**4. Announcements**

- The National Board will be hosting a reception on Wednesday evening from 6:30 p.m. to 8:30 p.m. in the Colonial Ballroom at the hotel.
- The National Board will be hosting breakfast and lunch on Thursday. Breakfast will be served from 7:00 a.m. to 8:00 a.m. in the Colonial Ballroom, and lunch will be served from 11:30 a.m. to 12:30 p.m. in the Colonial Ballroom.

**5. Adoption of the Agenda**

a. The following revisions were made to the agenda:

- i. **Editorial:** Added July 2023 Future Meeting Location (St. Louis, MO)
- ii. **Added** discussion on 2023 Edition approved Item 19-68 (ANI shall hold “N”, “I”, and “R” endorsements).

b. The agenda was unanimously accepted, as revised

**6. Approval of the Minutes of the July 11, 2022, Meeting**

The minutes are available for review on the National Board website, [www.nationalboard.org](http://www.nationalboard.org). The Minutes were motioned, seconded, and unanimously approved.

**7. Review of Rosters**

a. **Membership Nominations - None**

b. **Membership Reappointments**

The following memberships are set to expire prior to the July 2023 NBIC meeting: Mr. Tom Roberts, Mr. Ben Schaefer, and Mr. Bryan Toth.

All members were Unanimously Approved (UA) for reappointment by the NR TG membership.

c. **Officer Nominations – None**

8. Action Items

<b>Item Number:</b> A21-02 <b>NBIC Location:</b> Part 3, 1.6	<a href="#">Attachment 2</a>
<p><b>General Description:</b> Define "Fuel Loading" as it pertains to NR activities</p> <p><b>Subgroup:</b> Repairs and Alterations</p> <p><b>Task Group:</b> R. Spuhl appointed as PM</p> <p><b>Explanation of Need:</b> The NR TG would like to clarify "Fuel Loading" as used to determine Category 1, 2 or 3 NR activities.</p> <p><b>July 2022 Meeting Action:</b> R. Spuhl presented. The proposal was revised and UA.</p> <p><b>NOTE:</b> During discussion of this item at the July 2022 MC meeting, it was determined that the NR TG would review this proposal further.</p> <p><b>Jan. 2023 Meeting Action:</b> R. Spuhl presented. Discussion as to why this did not pass MC based on the July meeting was adding the term "Fuel Loading" back into the proposal and perhaps define ASME Sect. XI specific to Division 1. Discussion took place regarding how to better differentiate Category 1 based on the signing of an N-3 Form, or other than "...prior to fuel loading" or "...not under Section XI"(e.g. before the N-3 Data Report is signed, however that may put the item under ASME Code Cases 801, 802). <b>The proposal was revised and UA.</b></p>	

**Item Number: A21-37**      **NBIC Location: Part 3, 1.6**

**[Attachment 3](#)**

**General Description:** Parts used in NR Activities

**Subgroup:** Repairs and Alterations

**Task Group:** B. Wielgoszinski (PM), R. Spuhl assigned as PM in Dec. 2021.

**Explanation of Need:** Clarification that parts used in NR activities are fabricated by NR Certificate Holders and inspected by appropriately endorsed National Board commissioned Inspectors.

**July 2022 Meeting Action:** R. Spuhl presented. A Rvw and Comment LB was never sent out after the Jan. meeting. Discussion held regarding the need of both the MDR and Cert. of Compliance as part of the NR-1. Discussion was held regarding parts fabricated by welding and on the need for a new repair form (e.g. NR-3?) for nuclear repairs activities. The proposal to submit this item to a **Rvw and Comment LB to NR TG** was UA.

**Jan. 2023 Meeting Action:** R. Spuhl presented. This was to have gone out to Rvw & Comment LB after last meeting of the NRTG. Discussion was held on if Form R-3 and Form R-4 are appropriate for NR Cert Holders to use. Revisions were made to add that references to "R" Cert. Holders mean "NR" Cert. Holders when reading the R Form instructions in the current proposal. E. Creaser stated the qualification criteria for NR Inspectors is the roadblock for the NR Program. C. Dinic echoed issues with getting Inspectors qualified to obtain required endorsements for NR activity. **The proposal was UA as Revised.**

<b>Item Number: A22-29</b>	<b>NBIC Location: Part 3, 1.6.6.2 s) &amp; 1.6.7.2 s)</b>	<b>Attachment 4</b>
<p><b>General Description:</b> Removal of the requirement of AIA audits from the NR program</p> <p><b>Subgroup:</b> Repairs and Alterations</p> <p><b>Task Group:</b> R. Spuhl (PM)</p> <p><b>Explanation of Need:</b> This requirement cannot be enforced and is not defined by the the NR Certificate Holder and therefore must be removed.</p> <p><b>January 2023 Meeting Action:</b> R. Spuhl presented. <b>Item was UA.</b></p>		

**9. Additional Business**

- a. Discussion on previous approved Item A19-68 on ANI endorsements and qualification from C. Dinic on requirements on NR program Inspector qualification criteria. A review of the qualification criteria requirements of the AIA, the Inspectors, and the Supervisors per each Category will be needed. E. Creaser will be the PM for a proposal to determine if an Action Item vs Interp Item is appropriate.

**10. Future Meetings**

- July 2023 – St. Louis, MO (July 10-13, 2023 @ Loews Hotel)
- January 2024 – Charlotte, NC (Jan 8-11, 2024 @ Omni Charlotte Hotel)

**11. Adjournment**

**The meeting was adjourned at 11:58 AM by Chair Spuhl.**

Respectfully submitted,

*Terrence Hellman*

Terrence Hellman

NR Task Group Secretary

Full Name	Email Address	Company Name	Title	Registration Type	Column1		
<a href="#">AHMED, S M FAYSAL</a>	smfaysal.ahmed@rsc-bd.org	RMG SUSTAINABILITY COUNCIL	BOILER SAFETY ENGINEER	Remote		<b>In-Person Members:</b>	5
<a href="#">Black, Kim</a>	rkjblack@aol.com	American Boiler Manufacturers Association	Technology Consultant	In-person		<b>In-Person Visitors:</b>	5
<a href="#">Calderon, Benjamin</a>	benjamin.calderon@libertymutual.com	Liberty Mutual Insurance	Chief Engineer	In-person	1	<b>Remote Members:</b>	0
<a href="#">Creaser, Eben</a>	Eben.creaser@gnb.ca	Province of New Brunswick	Chief Boiler Inspector	In-person	1	<b>Remote Visitors:</b>	5
<a href="#">Dinic, Caslav</a>	cdinic@tssa.org	Technical Standards and Safety Authority - Ontario	Supervisor Technical Services	In-person	1		15
<a href="#">Hellman, Terry</a>	thellman@nationalboard.org	National Board	Senior Staff Engineer	In-person	1	<b>6 Members = 4 Quorum</b>	
<a href="#">Henry, Harrington</a>	harrington.henry@tuvsud.com	ARISE Inc.	Senior Boiler and Machinery Consultant	In-person			
<a href="#">Patel, Tusharkumar</a>	tusharpatel0914@gmail.com	TUV Nord Group	Inspection Engineer	Remote			
<a href="#">Ponce, Luis</a>	lponce@nbbi.org	NBBI	Manager of Technical Services	In-person			
<a href="#">Schaefer, Ben</a>	bschaefer@aep.com	American Electric Power	Quality Control Manager	In-person	1		
<a href="#">Scribner, Gary</a>	gscribner@nationalboard.org	National Board	Assistant Executive Director, Technical	In-person			
<a href="#">SHAH, M. A.</a>	abmindustrialservices@gmail.com	ABM Industrial Services Inc.	Technical Manager	Remote	1		
<a href="#">Shear, Emily</a>	Emily@stateboilerinspectors.com	Arizona Boiler Inspectors	GM	Remote			
<a href="#">Simmons, Douglas</a>	Heatsolutionsllc@aol.com	1st Heating Solutions llc	ceo	Remote			
<a href="#">Spuhl, Raymond</a>	RAYMOND_SPUHL@HSB.COM	The Hartford Steam Boiler Inspection and Insurance Company	Manager Code Services	In-person	1		
<a href="#">Moore, Kathy</a>					1		

Bryan Toth

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Item No.: 21-02
Subject Title: Define "Fuel Loading" as it pertains to NR activities.
NBIC Location: Part 3 Repairs and Alterations: 1.6.2 a)
Project Manager and Task Group: Raymond Spuhl, NR TG
Source Name and Email: Terrence Hellman, thellman@nationalboard.org
Statement of Need: The NR TG would like to clarify "Fuel Loading" as used to determine Category 1, 2 or 3 NR activities.
Background Information:
Existing Text: 1.6.2 a) 1) Category 1 Any ASME Section III Code certified item or system requiring repair/replacement activities irrespective of physical location and installation status prior to fuel loading. 2) Category 2 After fuel loading, any item or system under the scope of ASME Section XI requiring repair/replacement activities irrespective of physical location. Based on regulatory or jurisdictional acceptance, Category 2 may be used prior to fuel loading. 3) Category 3 Items other than those covered by Category 1 or Category 2, requiring repair/replacement activities irrespective of physical location, installation status and fuel loading.
Proposed Text: 1.6.2 a) 1) Category 1 Any ASME Section III Code certified item or system requiring repair/replacement activities irrespective of physical location and installation status <del>prior to fuel loading</del> <u>prior to signing the N-3 Data Report, or not under the scope of ASME Section XI.</u> 2) Category 2 <del>After fuel loading, a</del> Any item or system <del>under the scope of ASME Section XI</del> requiring repair/replacement activities irrespective of physical location <u>under the scope of ASME Section XI</u> <del>b</del> Based on regulatory or jurisdictional <u>requirements</u> <del>acceptance, Category 2 may be used prior to fuel loading.</del> 3) Category 3 <u>Any item or system</u> , other than those covered by Category 1 or Category 2, requiring repair/replacement activities irrespective of physical location or installation status.





(MDSC), or BTU/hr (W) heating capacity, the new MRRC shall be documented on Form R-2 and indicated on the appropriate nameplate of NBIC Part 3, Figure 5.7.5-b or NBIC Part 3, Figure 5.7.5-c.

- a) Final preparation of Form R-2, including gathering and attaching supporting reports, shall be the responsibility of the "R" Certificate Holder that performed the construction portion of the alteration. The construction organization shall complete the Form R-2 provided by the design organization, including the "Construction Certification" section of the form. An Inspector shall indicate that the work complies with the applicable requirements of this code by completing and signing the "Certificate of Inspection" section of the form. When no construction work is performed (e.g., a re-rating with no physical changes), the "R" Certificate Holder responsible for the design shall prepare the Form R-2, including gathering and attaching of supporting documentation.
- b) The following shall be attached to and become a part of completed Form R-2:
  - 1) For ASME boilers and pressure vessels, a copy of the original Manufacturer's Data Report, when available;
  - 2) Form R-3, Report of Parts Fabricated by Welding, Manufacturer's Partial Data Reports, or Certificates of Compliance, if applicable; and
  - 3) For other than ASME, the manufacturer's reports (i.e., reports required by the original code of construction, etc.), when available.

(21) **5.1.1 PREPARATION OF FORM R-3 REPORT OF PARTS FABRICATED BY WELDING**

Using the instructions found in Table S9.4 of Supplement 9, preparation of Form R-3 shall be the responsibility of the "R" Certificate Holder responsible for performing the work.

(21) **5.1.2 PREPARATION OF FORM R-4 REPORT SUPPLEMENT SHEET**

Using the instructions found in Table S9.5 of Supplement 9, preparation of Form R-4 shall be the responsibility of the "R" Certificate Holder responsible for performing the work.

(21) **5.1.3 PREPARATION OF FORM NR-1, REPORT OF REPAIR/REPLACEMENT ACTIVITIES FOR NUCLEAR FACILITIES**

Using the instructions found in Table S9.6 of Supplement 9, preparation of Form NR-1 shall be the responsibility of the "NR" Certificate Holder responsible for performing the work.

- (21)
  - a) Using the instructions found in Table S9.6 of Supplement 9, preparation of Form NR-1 shall be the responsibility of the "NR" Certificate Holder performing the repair.
  - b) Information describing the scope of work used to repair a pressure-retaining item (PRI) shall be documented on a Form NR-1 and extended to a Form R-4 as needed to fully describe the repair activities completed per the instructions in Table S9.6 of Supplement 9. NOTE: when a Form R-4 is utilized, reference to the "R" Certificate Holder and "R Stamp shall mean the "NR" Certificate Holder and "NR" Stamp.
  - c) An Inspector holding appropriate endorsements shall indicate acceptance by signing Form NR-1, and Form R-4, if attached.
  - d) The Form R-3, *Report of Parts Fabricated by Welding*, an ASME Manufacturer's Data Report, or other certifications/documentation as required by the Design Specification shall be a part of the completed Form NR-1 and shall be attached thereto. NOTE: when a Form R-3 is utilized, reference to the "R" Certificate Holder and "R Stamp shall mean the "NR" Certificate Holder and "NR" Stamp.



## 5.2.6 PREPARATION OF REPORT OF REPAIR/REPLACEMENT ACTIVITIES FOR NUCLEAR PRESSURE RELIEF DEVICES

~~Using the instructions found in Table S9.7 of Supplement 9, preparation of Form NVR-1 shall be the responsibility of the "NR" Certificate Holder, possessing the "VR" Certificate denoting the repair of nuclear pressure relief valves, responsible for performing the work.~~

Using the instructions found in Table S9.7 of Supplement 9, preparation of Form NVR-1 shall be the responsibility of the "NR" Certificate Holder, who possesses a "VR" Certificate. The "NR" Certificate scope shall include the repair of nuclear pressure relief devices.

- a) Information describing the scope of work used to repair pressure relief devices shall be documented on a Form NVR-1 and extended to a Form R-4 as needed to fully describe the repair activities completed per the instructions in Table S9.7 of Supplement 9. NOTE: when a Form R-4 is utilized, reference to the "R" Certificate Holder and "R Stamp shall mean the "NR" Certificate Holder and "NR" Stamp.
- b) An Inspector holding appropriate endorsements shall indicate acceptance by signing Form NVR-1, and Form R-4, if attached.
- c) The Form R-3, Report of Parts Fabricated by Welding, an ASME Manufacturer's Data Report, or other certifications/documentation as required by the Design Specification shall be a part of the completed Form NVR-1 and shall be attached thereto. NOTE: when a Form R-3 is utilized, reference to the "R" Certificate Holder and "R Stamp shall mean the "NR" Certificate Holder and "NR" Stamp.

## Item A22-29 – Schaefer – 01-09-2023 - NBIC NR Revisions

General Description: Removal of the requirements of AIA audits for the certificate holders QA Manual. This requirement cannot be enforced and is not defined by the NR Certificate Holder and therefore must be removed.

NBIC Location: Part 3, 1.6.6.2 s) 6), 1.6.7.2 s) 6) and 1.6.8.2 s) 6).

All three sections are identical. Text to be removed is struck through and red and applies to all three sections noted.

**Existing Text for section 1.6.6.2 s) 6)** – For Category 1

**Existing Text for section 1.6.7.2 s) 6)** – For Category 2

**Existing Text for section 1.6.8.2 s) 6)** – For Category 3

- 6) Audit records shall include as a minimum;
- a. written procedures;
  - b. checklists;
  - c. reports;
  - d. written replies; and
  - e. Completion of corrective actions.

~~Performance of Authorized Inspection Agency audits required by ASME QAI-1 and NB-263, RCI-1 shall be addressed in the Quality Assurance Manual.~~