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*THE NATIONAL BOARD
OF BOILER AND PRESSURE VESSEL INSPECTORS*

NATIONAL BOARD INSPECTION CODE GRAPHITE TASK GROUP

MINUTES

Meeting of July 25th, 2023
Columbus, OH

The National Board of Boiler & Pressure Vessel Inspectors
1055 Crupper Avenue
Columbus, Ohio 43229-1183
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1. Call to Order

The Chair, Mr. Aaron Viet, called the meeting to order at 9:05 a.m. Eastern Time.

2. Introduction of Members and Visitors

The following members were present for the meeting:

- Mr. Aaron Viet, Chair
- Mr. Keith Cummins
- Mr. Justin Clements
- Mr. Tracy Rudy
- Mr. Nolan Lee
- Mr. Chris Cary
- Mr. Jesse Wince
- Mr. Andy Stupica
- Mr. Francis Brown
- Mr. Jonathan Ellis, Secretary

Mr. Krunal Patel was present for the meeting as a guest. Enough members were present for the meeting to establish a quorum.

3. Announcements

4. Adoption of the Agenda

A motion was made, seconded, and unanimously approved to adopt the agenda as presented.

5. Approval of the Minutes of the April 2023 Meeting

The minutes from the April 2023 Task Group meeting can be found on the National Board's website.

A motion was made, seconded, and unanimously approved to accept the minutes from the April 2023 meeting.

6. Review of Rosters

- a. Membership nominations:
 - i. None.
- b. Membership reappointments:
 - i. None
- c. Officer nominations:
 - i. No new officer nominations.

7. NBIC Business

Item Number: NB15-2208	NBIC Location: Part 3, S3	No Attachment
General Description: Investigate repair options for graphite block heat exchangers		
Subgroup: Graphite		
Task Group: G. Becherer (PM), A. Viet		
July 2023 Meeting Action: Mr. Viet stated that he will work on a proposal to share at the next meeting.		

Item Number: NB19-73	NBIC Location: Part 3, S3	No Attachment
General Description: Requirements for who can make hole plugging repairs on graphite blocks		
Subgroup: Graphite		
Task Group: A. Stupica (PM), C. Cary, S. Mehrez, A. Viet		
Update: This item was approved by Main Committee letter ballot and will be included in the 2025 edition of the NBIC.		

Item Number: 23-45	NBIC Location: Part 3, S3	Attachment 1
General Description: Graphite plate replacement as Routine repair		
Subgroup: Graphite		
Task Group: Mr. Jesse Wince		
April 2023 Meeting Action: The TG made some adjustments to original proposal, and then voted unanimously to approve the amended proposal.		
July 2023 Meeting Action: Mr. Viet gave an update from the St. Louis meeting. There were some objections/questions regarding “only certified materials shall be used for this repair”. Consider removing that statement from the new language since it is redundant. A motion was made and seconded to approve the modified proposal. This motion passed unanimously.		

Item Number: TBD	NBIC Location: Part 3, S3	No Attachment
General Description: Requirement for G-mark when replacing parts		
Subgroup: Graphite		
Task Group: A Viet, J. Wince, S. Mehrez		
<p>July 2023 Meeting Action: Mr. Viet discussed a new draft of a National Board Mechanical Repair Guide, which included language regarding graphite pressure-retaining items (PRI). Questions were asked regarding the tracking of mechanical repairs and replacement parts if they are not reported on an R form. Mr. Luis Ponce, NBBI's Manager of Technical Services, answered questions about the draft mechanical repair guide and proposed report form. Mr. Brown voiced concerns regarding how much this would be used/followed. Mr. Ponce stated that many Jurisdictions are in favor of using this guide and that they could adopt it as mandatory, which would lead to training and implementation to properly use it. Discussion moved to replacement of parts on a graphite PRI. Will the graphite supplement need to be updated regarding the mechanical repair guide? Plate replacement would potentially fall under the new guide being proposed in Item 23-45. The group will look at the graphite supplement to see if there are any other areas that need to be addressed.</p>		

8. New Business

- The Task group looked at the definition of mechanical repair in the NBIC and determined that the definition could be revised to include cementing and bonding as part of the exclusions in that definition. The group will look at creating a proposal for this and write up an intent interpretation to accompany the revision.
- Mr. Rudy informed the group that the plug stitching procedure needs to be corrected, and that S3.2) a) and e) are duplicated. Mr. Rudy and Mr. Viet plan to work on correcting this for the next meeting.

9. Future Meetings

Fall TG Graphite Meeting – October 24-25, 2023, in Clearwater, FL
 NBIC Meeting – January 8-11, 2024, in San Antonio, TX

10. Adjournment

The meeting was adjourned at 1:48 p.m. Eastern Time.

Respectfully submitted,

Jonathan Ellis

Jonathan Ellis
 NBIC Secretary

Item 23-45

Part 3, S3.2 and S3.3 a)

S3.2 Repairs

k) Blind cracks and delaminations ~~may shall~~ not be repaired by cement injection only.

l) Cracks and porosity in tubes ~~may shall~~ not be repaired. Cracked and porous sections may be removed so that the remainder of the tube may be used. Individual tube sections shall not be less than 24 in. (610 mm) in length, and the number of segments in a tube shall not exceed the quantity listed in NBIC Part 3, Table S3.2.

~~¶m) -Cracks and porosity in graphite plates used in plate and frame exchangers shall not be repaired.~~

S3.3 Routine Repairs

a)

8) Replacing graphite plate(s) with new plate(s) in a plate and frame exchanger.