

Date Distributed: January 21, 2015



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

## **SUBGROUP ON HISTORICAL BOILERS**

### *MINUTES*

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*Meeting of January 19, 2015  
Orlando, FL*

The National Board of Boiler & Pressure Vessel Inspectors  
1055 Crupper Avenue  
Columbus, Ohio 43229-1183  
Phone: (614)888-8320

## **1. Call to Order**

The Vice Chair, Tom Dillon called the meeting to order at 10:05 AM on January 19, 2015

## **2. Announcements introductions, meeting schedule**

The National Board will host a reception in the hotel courtyard on Wednesday January 21, 2015

## **3. Adoption of the Agenda**

A motion was made to adopt the agenda. The motion was unanimously approved.

## **4. Approval of the Minutes of July 14, 2014 Meeting**

A motion was made to approve the previous meeting minutes. The motion was unanimously approved.

## **5. Review of the Roster (Attachment page 1)**

Three new members were elected, J. Amato, J. Getter, C. Novak. An attendance list is attached. (Attachment pages 1-2)

## **6. Interpretations**

There were no interpretations assigned to this subgroup

## **7. Action Items**

**NB11-0204 Part 3 Supplement 2** - Review NDE requirements of stayed areas. A Task Group consisting of M. Wahl (PM), J. Larson and F. Johnson is assigned.

A progress report was given by Mr. Wahl. Discussion included: volumetric NDE in lieu of radiographic NDE and correcting Fig S2.13.10.3-a ...Move arrows to correct location for knuckle radius tangent line.

The final revision is to be presented to SG by the July 2015 meeting. The item should be moved in July 2015.

**NB13-0902 Part 3, S2** - Review alternate methods of Tube Sheet repair. A Task Group consisting of F. Johnson, T. Dillon and M. Wahl was assigned.

Several sketches of alternate methods of repair were reviewed by the Subgroup. Input was given by the Subgroup and the Task Group will continue their work.

A progress report was provided by M. Wahl. Anticipate moving the item in July 2015.

**NB13-0903 Part 2, S2.14** - Add language to address the safety concerns when using liquid or gaseous fuels to fire a historical boiler. There is a question of the appropriate NBIC Part to address this action item.

J. Larson provided a progress report.

## **8. New Business**

**NB15-1601** Requirements for the removal of Jacketing/lagging insulation for inservice inspections of historical boilers. (Attachment pages 3-4)

**NB15-1602** Revise Part 3, S2.7.1 Material list for Historical Boiler Repairs to include Bolts, studs, nuts and formed pressure parts. (Attachment pages 5-6)

## **9. Future Meetings**

July 20, 2015 - Columbus, Ohio

January 2016 – TBD city in Arizona

## **10. Adjournment**

Respectfully Submitted,

Robert Ferrell

Secretary, Subgroup on Historical Boilers

## Attendance List SG on Historical Boilers

Meeting Date: January 19, 2015

<p><b>Dennis Rupert</b> 129 Mechanic Street Hillsdale, MI 49242</p> <p>Ph: 517-437-4565 Cell: 517-398-0152 Fax: 517-437-0407 E-mail: <a href="mailto:rupercull@comcast.net">rupercull@comcast.net</a></p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>DR</i> Initial</p>	<p><b>Bob Ferrell</b> National Board of Boiler and Pressure Vessel Inspectors 1055 Crupper Ave. Columbus, OH 43229</p> <p>Ph: 614-888-8320 Fax: 614-847-1828 E-mail: <a href="mailto:bsmith@nationalboard.org">bsmith@nationalboard.org</a></p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>BF</i> Initial</p>
<p><b>Robert Bryce</b> Heartland Software Solutions P.O. Box 333 Austin, MB Canada ROH-OCO</p> <p>Ph: 780-545-4480 Fax: 204-637-2258 Email: <a href="mailto:rbryce@heartlandsoftware.ca">rbryce@heartlandsoftware.ca</a></p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>RB</i> Initial</p>	<p><b>Mike Wahl</b> WHSEA N 10447 County Rd. G New Holston, WI 53601</p> <p>Ph: 920-960-8735 Fax: E-mail: <a href="mailto:mikew@midstal.com">mikew@midstal.com</a></p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>MW</i> Initial</p>
<p><b>Tom Dillon</b> 11660 97<sup>th</sup> Ave., North Maple Grove, MN 55369</p> <p>Ph: 6123089560 Fax: E-mail: <a href="mailto:tdillon@deltak.com">tdillon@deltak.com</a></p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>TD</i> Initial</p>	<p><b>Frank Johnson</b> Owner 9853 Mandell Road Perrysburg, OH 43551</p> <p>Ph: 419-698-6614 Cell: 419-386-8450 E-mail: <a href="mailto:fjkeck22@aol.com">fjkeck22@aol.com</a></p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>FJ</i> Initial</p>
<p><b>James P. Larson</b> OneBeacon Insurance Company 2540 180<sup>th</sup> St., East Prior Lake, MN 55372</p> <p>Ph: 952-226-2956 Fax: 952-226-2957 E-mail: <a href="mailto:James.Larson@onecis.com">James.Larson@onecis.com</a></p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>JL</i> Initial</p>		<p>Attended: Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>Initial</p>

# Attendance List SG on Historical Boilers

Meeting Date: January 19, 2015

<p>X</p> <p>Name: CLAYTON NOVAK  Company: STATE OF ILLINOIS  Address: 100 W. RANDOLPH ST.  City/State/Zip: CHICAGO IL 60601  Ph: 815-263-1144 Ext.  Fax:</p>	<p>Name: DON COOK  Company: STATE OF CA  Address: 1515 CLAY ST #1622-A  City/State/Zip: OAKLAND, CA 94612  Ph: 510 622-3050  Fax: 510 622-3063  E-mail: dcook@dir.ca.gov</p>
<p>Name: Bonnie Petersen  Company: Marquip Ward United  Address: 1300 N. Airport Rd.  City/State/Zip: Phillips, WI  Ph: 715-339-2191 Ext. 1235  Fax:  E-mail: bonnie.petersen@marquipwardunited.com  VISITOR</p>	<p>X</p> <p>Name: Joel T. Amato  Company: State of MN  Address: 443 Lafayette Rd. N  City/State/Zip: St. Paul, MN 55155  Ph: 651 284-5137 Ext.  Fax:  E-mail: joel.amato@state.mn.us</p>
<p>X</p> <p>Name: JIM GETTEN  Company: WORTHINGTON LYNDEN  Address: 200 AD WILSON BRIDGE RD  City/State/Zip: COLUMBUS, OH 43085  Ph: 614-840-3087 Ext.  Fax:  E-mail: JIMGETTEN@WORTHINGTONINDUSTRIES.COM</p>	<p>Name: DARRELL GRAF  Company: APCT  Address: 100 BASS RD  City/State/Zip: CARRIERE MS 39426  Ph: 601 799-2889 Ext.  Fax:  E-mail: GRAF02@AIRPRODUCTS.COM</p>

**Action Item Request Form**

**NB15-1601**

**8.3 CODE REVISIONS OR ADDITIONS**

Request for Code revisions or additions shall provide the following:

a) Proposed Revisions or Additions

For revisions, identify the rules of the Code that require revision and submit a copy of the appropriate rules as they appear in the Code, marked up with the proposed revision. For additions, provide the recommended wording referenced to the existing Code rules.

Existing Text:

PART 2 Inspection, Supplement 2, S2.11.b.2.j.1

Does jacket cover any critical areas or make them difficult to observe? (Normally the jacket will need to be removed for inspection of the barrel.)

b) Statement of Need

Provide a brief explanation of the need for the revision or addition.

Both Inspectors and owners require more specific requirements for the need to remove part or all jackets/insulation covering a historical boiler during inservice inspection. In other sections of Part 2, insulation and jackets are only required to be removed where corrosion or cracking is suspected.

c) Background Information

Provide background information to support the revision or addition, including any data or changes in technology that form the basis for the request that will allow the Committee to adequately evaluate the proposed revision or addition. Sketches, tables, figures, and graphs should be submitted as appropriate.

When applicable, identify any pertinent paragraph in the Code that would be affected by the revision or addition and identify paragraphs in the Code that reference the paragraphs that are to be revised or added.

Jacketing/lagging insulation on historical boilers for inspection of thickness and corrosion.  
The present rules in the NBIC require the total removal of jackets and insulation on historical boilers.

d) TG Assigned

Project Manager :T. Dillon

Members: T. Dillon, J. Amato

**Action Item Request Form**

**NB15-1602**

**8.3 CODE REVISIONS OR ADDITIONS**

Request for Code revisions or additions shall provide the following:

a) Proposed Revisions or Additions

For revisions, identify the rules of the Code that require revision and submit a copy of the appropriate rules as they appear in the Code, marked up with the proposed revision. For additions, provide the recommended wording referenced to the existing Code rules.

Existing Text:

Part 3 Supplement 2, S2.7.1 Material List for Historical Boiler Repairs

b) Statement of Need

Provide a brief explanation of the need for the revision or addition.

The SG wants to allow new materials allowed in ASME Section I and Section II when appropriate for power boilers to be used in the Repairs and Alterations of historical boilers. The materials discussed concerned bolts, studs and castings.



c) Background Information

Provide background information to support the revision or addition, including any data or changes in technology that form the basis for the request that will allow the Committee to adequately evaluate the proposed revision or addition. Sketches, tables, figures, and graphs should be submitted as appropriate.

When applicable, identify any pertinent paragraph in the Code that would be affected by the revision or addition and identify paragraphs in the Code that reference the paragraphs that are to be revised or added.

The SG wishes to use materials currently allowed in the ASME Power Boiler Code and ASME section II to be used on historical boilers as appropriate..

d) TG Assigned

Project Manager: T .Dillon

Members: T. Dillon, M. Wahl, G. Galanes