



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

NATIONAL BOARD SUBGROUP INSPECTION

MINUTES

Meeting of January 14th, 2020
San Diego, CA

*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
FAX: (614)847-1828

1. Call to Order

The meeting was called to order at 8:04 am by Chairman, Mr. Darrell Graf.

2. Introduction of Members and Visitors

The Members and Visitors introduced themselves. All attendees are identified on the attendance sign in sheet (**Attachment pages 1-2**). As shown on the attached attendance sheet, there were 15 of 18 voting members present, which includes one alternate (listed below), a quorum was established.

William Hackworth sat on the Subgroup as an alternate for Paul Welch.

3. Awards/Special Recognition

There were no awards/special recognitions given at this meeting.

4. Announcements

Announcements were made by the Secretary, Ms. Jodi Metzmaier (**Attachment page 3**)

5. Adoption of the Agenda

A motion was made to adopt the agenda. The items listed below were added to the agenda, and the motion was revised to adopt the revised agenda. The motion was seconded and unanimously approved.

- Presentation from Dow on remote inspections
- Add Interpretation Item 20-3
- Add new item 19-93

6. Approval of the Minutes of the July 16th, 2019 Meeting

A motion was made to approve the minutes from the July 16, 2019 SG Inspection meeting. The motion was seconded and unanimously approved.

7. Review of Rosters

a. Membership Nominations

Mr. Jeff Petersen and Mr. Vincent Scarcella are interested in becoming members of Subgroup Inspection. (See **Attachment pages 4-12** for their resumes.)

Both nominees spoke on their behalf, explaining why they wanted to become a member of SG Inspection and how their experience and knowledge of the industry would benefit the SG. Mr. Petersen's Interest category is "User". Mr. Scarcella's interest category is "Authorized Inspection Agency". The two nominees left the room while the SG had a discussion. A motion was made to approve both nominees. The motion was seconded and unanimously approved.

b. Membership Reappointments

Mr. Thomas Vandini's membership to the subgroup is set to expire on 1/30/2020.

Mr. Vandini spoke to the group to let them know he is interested in remaining a member of SG Inspection. A motion was made to reappoint Mr. Vandini. The motion was seconded and unanimously approved.

c. Officer Appointments

There were not officer nominations.

8. Open PRD Items Related to Inspection

- NB14-0602B – Improve index in Part 2 relating to pressure relief devices – D. Marek (PM)
 - Update: A proposal is expected to be presented at the January 2020 meeting,
- NB15-0321 – Review testing requirements for inservice testing of pressure relief devices in Part 2, 2.5.7 a) – A. Renaldo (PM)
 - Update: Proposal has been approved by SC PRD and is awaiting Main Committee review.
- NB15-0324 – guidelines for storage/shelf life in regard to inspection and testing frequencies – A. Renaldo (PM)
 - Update: Item has been approved by SG PRD and is awaiting approval from SC PRD
- 17-132 – Paragraph 3.2.6 in Part 4 can be put into tabular format (Part 2, 2.5.8) – B. Nutter (PM), M. Brodeur, D. Marek, D. DeMichael, A. Cox, P. Dhobi, R. McCaffrey, T. Beirne
- 19-9 – Inspect shipping plug removal for PRDs

The subgroup reviews the PRD items listed above and did not have any concerns or questions regarding these items at this time.

9. Interpretations

Item Number: 20-3	NBIC Location: Part 2, 4.4	Attachment page 13-14
General Description: Inspector involvement in Fitness-for-Service Assessments		
Subgroup: Inspection & Repairs and Alterations		
Task Group: None Assigned		
January 2020 Meeting Action: The group has reviewed this interpretation, and Mr. Gary Scribner explained that he believes this should only be an interpretation for Part 3. A motion was made to close this item from the SG Inspection Agenda and allow Part 3 to respond. The motion was seconded and unanimously approved.		

10. Action Items

Item Number: 18-43	NBIC Location: Part 2, Section 5	Attachment pages 15-17
General Description: Permanent nameplate removal from pressure vessel being removed from service		
Subgroup: Inspection		
Task Group: J. Roberts (PM), J. Burgess, J. Calvert, T. Shernisky, J. Clark, M. Sansone		
January 2020 Meeting Action: The task group worked on a proposal during a breakout session which included wording additions, a new definition, a new form, and instructions for completing the form. Mr. Roberts presented the proposal to the subgroup. After discussion, the group made a few changes to the form and instructions of this proposal, a motion was made to accept all 3 pages of the revised proposal. The motion was seconded and unanimously approved.		

Item Number: 18-62	NBIC Location: Part 2, S12.5	No Attachment
General Description: Remote Visual Inspection Requirements		
Subgroup: Inspection		
Task Group: V. Newton (PM), M. Horbaczewski, B. Wilson, J. Calvert, J. Castle, D. Graf, T. Shernisky		
January 2020 Meeting Action: Progress Report: Mr. Newton stated the task group is still working on their proposal. After the Presentation from Dow Chemical the task group decided to change the General Description of this item to read “Remote Inspection of Confined Space Requirements”		
Task Group Changes: Add D. LaSage & D. Rose, and remove T. Shernisky		

Item Number: 18-63	NBIC Location: Part 2	No Attachment
<p>General Description: Review inspection requirements for pressure vessels designed for high pressures</p> <p>Subgroup: Inspection Task Group: T. Shernisky (PM), J. Mangas, J. Petersen, and J. Castle</p> <p>January 2020 Meeting Action: Progress Report: Mr. Petersen spoke to the subgroup to let them know where they are on this item. HE asked for some comments and input from the group. The task group will take the comments and input from the group to continue to work on their proposal.</p> <p>Item Number 19-90 is being closed and will be covered under this action item. The Explanation of Need from 19-90 should be used for this item.</p> <p>Task Group Changes: Add V. Scarcella</p>		

Item Number: 19-6	NBIC Location: Part 2, 2.3.6.8	No Attachment
<p>General Description: PVHO 2.3.6.8 Add other types of PVHO's</p> <p>Subgroup: Inspection Task Group: J. Byrum (PM), R. Smith, S. Reimers, J. Burgess, M. Mooney & D. Buechel</p> <p>January 2020 Meeting Action: Progress Report: Mr. Buechel stated he has tried to contact the other task group members without luck. A new task group has been formed for this item. They will work together to create a proposal.</p> <p>Task group changes: New task group is D. Buechel (PM), M. Sansone, D. LaSage, R. Reimers, & R. Smith. (Remove J. Byrum, J. Burgess, and M. Mooney.)</p>		

Item Number: 19-7	NBIC Location: Part 2	No Attachment
<p>General Description: Pressure Gage Graduation</p> <p>Subgroup: Inspection Task Group: V. Newton (PM), D. Buechel, D. Rose, D. Graff, & J. Clark</p> <p>January 2020 Meeting Action: Progress Report: Mr. Buechel stated the task group is still working on the proposal.</p>		

Item Number: 19-8	NBIC Location: Part 2, 2.3.6.8	No Attachment
<p>General Description: Clarification of gage requirements for PVHO</p> <p>Subgroup: Inspection Task Group: J. Byrum (PM) & R. Smith</p> <p>January 2020 Meeting Action: A motion was made to close this item with no action, as it will be covered under item 19-7. The motion was seconded and unanimously approved.</p>		

Item Number: 19-9	NBIC Location: Part 2	No Attachment
General Description: Inspect shipping plug removal for PRDs		
Subgroup: Inspection		
Task Group: V. Scarcella (PM), J. Petersen, T. Bolden, E. Brantley		
January 2020 Meeting Action:		
Mr. Petersen presented a proposal to the subgroup showing changes to 2.5.4. After discussion the group decided they wanted to close this item from their agenda with no action & let PRD take control. The proposal presented by Mr. Petersen will be given to the subgroup PRD as a recommendation. A motion was made to close this item from Part 2 with no action . The motion was seconded and unanimously approved.		

Item Number: 19-46	NBIC Location: Part 2, S5.1	No Attachment
General Description: Revisions to Yankee dryer supplement in Part 2 (Scope)		
Subgroup: Inspection		
Task Group: V. Newton (PM), T. Barker, D. Lesage, J. Jessick		
January 2020 Meeting Action:		
Progress Report: Mr. Newton stated there has been no progress on this item.		

Item Number: 19-63	NBIC Location: Part 2, S5.2	No Attachment
General Description: Changes to the Yankee Dryer Supplement (ASSESSMENT OF INSTALLATION)		
Subgroup: Inspection		
Task Group: V. Newton (PM), T. Barker, D. Lesage, J. Jessick		
January 2020 Meeting Action:		
Progress Report: Mr. Newton stated there has been no progress on this item.		

Item Number: 19-64	NBIC Location: Part 2, S5.2.1	No Attachment
General Description: Changes to the Yankee Dryer Supplement (DETERMINATION OF ALLOWABLE OPERATING PARAMETERS)		
Subgroup: Inspection		
Task Group: None assigned		
January 2020 Meeting Action:		
Progress Report: Mr. Newton stated there has been no progress on this item.		
Task group changes: V. Newton (PM), T. Barker, D. Lesage, J. Jessick		

New Items:

Item Number: 19-78	NBIC Location: Part 2, 2.2.12.1 a)	Attachment page 18
General Description: Detailed Requirements for Inservice Inspection of Cast Iron Boilers.		
Subgroup: Inspection		
Task Group: None assigned		
January 2020 Meeting Action:		
Mr. Ponce presented this item to the subgroup along with a proposal. A motion was made to accept the proposal as presented. The motion was seconded and unanimously approved.		

Item Number: 19-80	NBIC Location: Part 2, 2.2.10.6 l) 1)	Attachment page 19
General Description: Conflicting statements in Part 1 and Part 2 about boiler controls		
Subgroup: Inspection Task Group: None assigned		
January 2020 Meeting Action: Mr. Ponce presented this item to the subgroup along with a proposal. The subgroup discussed the changes shown in the proposal and decided to create a task group to work with Part 1 before moving anything forward.		
Task Group Assigned: D. Graf (PM), D. Buechel, T. Barker & T. Bolden		
During a breakout session the task group spoke with Part 1, and learned that Part 1 will be proposing to close this item with no action. The task group decided Part 2 should do the same. A motion was made to close this item with no action and keep the wording as is. The motion was seconded and unanimously approved.		

Item Number: 19-88	NBIC Location: Part 2, 2.2.12.7 c) 2)	No Attachment
General Description: At NBIC Part II propose the following be added to Thermal Fluid Heater		
Subgroup: Inspection Task Group: None assigned		
January 2020 Meeting Action: Mr. Scarcella presented this item to the subgroup along with a proposal. The subgroup discussed the changes, and decided to create a task group to work on the proposal further.		
Task Group: V. Scarcella (PM), M. Sansone, & T. Bolden		

Melissa Headland and Joseph Morgan from The Dow Chemical Company were granted permission to give a presentation to the subgroup. The presentation was on methods of remote inspections, primarily, but not limited to, remote NDE, for boilers and pressure vessels; how they are currently doing remote inspections; and the accident statistics prompting the need. After the presentation, Mrs. Headland and Mr. Morgan took many questions from the subgroup. The subgroup will use a lot of the information they gained from this presentation to help create their proposal for action item 18-62. The presentation can be found on the cloud.

Item Number: 19-90	NBIC Location: Part 2	No Attachment
General Description: Request NBIC Part II add guidance for inspection for high pressure vessels		
Subgroup: Inspection Task Group: None assigned		
January 2020 Meeting Action: A motion was made to close this item and merge it with action item 18-63 . The explanation of need on this item will be transferred to 18-63. The motion was seconded and unanimously approved.		

General Description: NBIC Forms have the wrong pages identified for reference

Subgroup: Inspection

Task Group: None assigned

January 2020 Meeting Action:

Mr. Graf presented this item and the proposed changes. A motion was made to accept the changes as presented. The motion was seconded and unanimously approved.

11. Future Meetings

- July 13th-16th, 2020 – Louisville, KY
- January 11th-14th, 2021 – TBD

The Chairman discussed the future meetings with the subgroup.

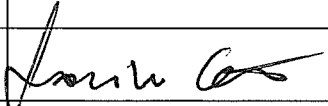

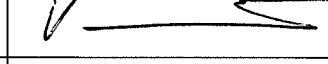
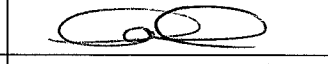

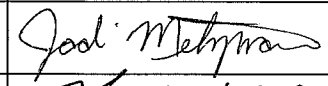
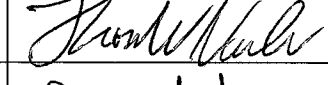
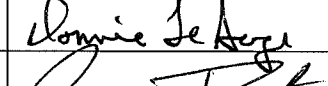
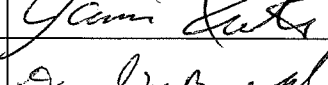
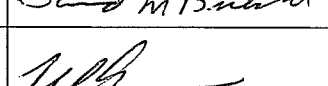

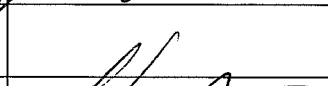


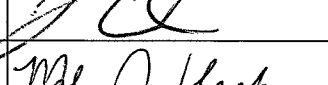
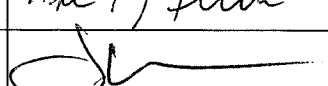
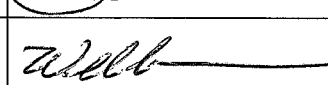
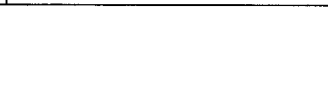
12. Adjournment

A motion was made to adjourn the meeting at 11:45 a.m. The motion was seconded and unanimously approved.

Respectfully submitted,



Jodi Metzmaier
SG Inspection Secretary

NBIC Subgroup Inspection Attendance - 1/14/2020					
First Last	Email	Company	Phone #	Signature	Attending Reception?
Paul Welch	paul.welch@tuvsud.com	ARISE	470 606-4707		
Ernest Brantley	ernest.brantley@bpcllca.com	XL Insurance America	337 842-7044		
Jim Getter	jim.getter@worthingtonindustries.com	Worthington Industries	614 840-3087		✓
David Rose	dr3747@telus.net	T&T Inspections	780 217-8175		✓
Venus Newton	venus_newton@yahoo.com	XL Insurance America	404 710-8626		✓
Jason Safarz	jsafarz@selas.com	Selas	330 653-4076		
Darrell Graf	grafdr@airproducts.com	Air Products & Chemicals	601 799-2889		✓
Timothy Barker	Timothy.Barker@fmglobal.com	FM Global	360 801-3790		✓
Jodi Metzmaier	jmetzmaier@nationalboard.org	The National Board	614 888-8320		✓
Thomas Vandini	tvandini@propanetank.com	Quality Steel Corporation	419 333-5205		✓
Donnie LeSage	Donnie.LeSage@LA.gov	State of Louisiana	225 925-4572		✓
James Roberts	james.roberts@arcosa.com	Arcosa Tank, LLC.	469 818-6101		✓
David Buechel	david_buechel@hsb.com	Hartford Steam Boiler	412 310 7740		✓
Matthew Sansone	matthew.sansone@labor.ny.gov	NYS Department of Labor	518 457-2722		✓
James Calvert	jcalvert@lilly.com	Eli Lilly and Company	317 679-4900		✓+1
Thomas Shernisky	thomas.shernisky@tuvsud.com	ARISE	304 559-5358		
John Mangas	mangasjc@airproducts.com	Air Products & Chemicals	925 997-5633		✓
Mark Horbaczewski	MHorbaczewski@diamondtechnicalservices.com	Diamond Technical Services	815 634-2727		✓
James Clark	James.Clark@worthingtonindustries.com	Worthington Industries	614 840-3661		✓
Melissa Headland	mjheadland@dow.com	Dow	989-636 6065 235		✓
Joseph Morgan	Jemorgan1@dow.com	Dow	692-1906		no
William Hackworth	William.HACKWORTH@TUVSUD.COM	ARISE	732-221 3461		yes

Announcements

- The National Board will be hosting a reception for all committee members and visitors on Wednesday evening at 5:30pm at The Smoking Gun
 - Information for the venue can be found on the website
 - Who is coming to the reception?
- Breakfast (7-8 am) and Lunch (11:30 -12:30) will be provided to NBIC Committee members and visitors on Thursday in Le Fontainebleau on the 2nd floor.
- We will take a short break around 9:30-10:00 for task groups to work on items.
- Meetings schedule and meeting rooms layout are on the website under National Board Inspection Code tab → NBIC Committee Information → NBIC Meeting Information
- If the meeting ends early use the extra time to work with your task groups.
- Always submit attachments in word format showing “strike through/underline”
 - Does anyone need to know how to do this?
- Naming format reminder:
 - *Item number - person who made the revision - date update*
- As a reminder, anyone who would like to become a member of a group or committee, must submit their resume to Jonathan PRIOR TO the meeting.
 - nbicsecretary@nationalboard.org

JEFF C. PETERSEN

EDUCATION:

College of Eastern Idaho, Idaho Falls, Idaho. Graduated July 1987.

Received Associate of Applied Science in Quality Assurance and Nondestructive Examination. Course included: PT, MT, UT, RT, Visual Inspection, Leak Testing, Mechanical Inspection, Metrology, and Radiation Safety.

American Society of Mechanical Engineers (ASME) Continuing Education Training: ASME B31.3, ASME B31.1, ASME Section VIII, Division I, II and III. ASME Section I and IV. ASME Section IX. ASME Practical Welding Technology. ASME Section XI In-service Inspection of Nuclear Power Plant Components. API 579-1/ASME FFS-1 Fitness for Service. National Board Repair of Pressure Relief Valves. Davis NDE Advanced IGSCC Ultrasonic Weld Inspection and Sizing.

Hartford Steam Boiler Technical Training Preparation Course for the National Board Examination, November 1995.

CERTIFICATIONS:

--National Board In-Service Commission, OU-697 (R) Endorsement: 05/1996 to Present. Certificate of Competency Industrial Commission of Utah 2/96.

--Certified Level II, SNT-TC-1A, in the following disciplines: UT, VT, ASME Section XI, VT-1, 2 and 3.

--Past Certifications Level II, SNT-TC-1A, in the following disciplines: PT, MT, RT, and Leak testing.

--AWS Certified Welding Inspector # 92090071: Expires 09/2022.

JOB EXPERIENCE:

July 1996 - Present. Battelle Energy Alliance, LLC: Idaho National Laboratory (INL).

--Applied Engineering / In-service Commissioned Inspector/Quality Engineer.

Responsible for managing and performing in-service inspections of boilers and pressure vessels located at the INL per the requirements of the National Board Inspection Code (NBIC).

--Responsibilities include: Implementing the (BEA) Owner-User pressure vessel inspection program, in accordance with established company procedures, required safety codes, DOE orders and national codes and bylaws.

--Verify all repairs to boilers and pressure vessels meet the requirements of the NBIC and ASME codes as applicable. Interface with the Department of Energy pertaining to the NBIC.

--Perform reviews of engineering designs for new construction, repairs, and alterations.

--Provide and approve inspection instructions for work control documents which perform maintenance, repair, and alterations of unfired pressure vessels and boilers for

compliance with established quality assurance requirements.

--Provide ASME Section XI in-service inspections for the Advanced Test Reactor.

Duties included review and approval of technical documents such as design packages, work orders, drawings, new purchase order requisitions, In-Service inspection plans and procedures for appropriate quality and technical requirements for the Advanced Test Reactor.

-- Perform independent assessments verifying implementation and effectiveness of the ASME NQA-1, INL Quality Assurance Program. Assessments include: Quality Improvement, Inspection and Acceptance Testing, Software Quality Assurance, Design Control, Material Control, M&TE, Nonconformance, NDE.

August 1990 - July 1996. Lockheed Martin Idaho: Idaho National Laboratory (INL).

--Master Support Technician, Nuclear Operations QA, (INL) Test Reactor Area.

Performed quality inspections, testing, and surveillance services to ensure adherence to quality standards. Performed routine, complex and unusual mechanical inspections of supplier/furnished material. Initiated reports and compiled data as required for inspection planning and record keeping. Coordinated with buyers, vendors, quality engineers, and requesters to resolve any noncompliance issues.

July 1987-August 1990. General Dynamics Electric Boat Division:

--Performed NDE/Mechanical inspections in support of the refueling of the AIW, MARF and S8G Naval Reactors prototypes located at the West Milton, New York and Naval Reactors Facility, Idaho Falls Idaho.

Career Profile

Current Position

Risk Control Director

Prior (CNA) Positions

Resume

Employer: CNA

Job Title: Director

Start Date: June, 2002 , **End Date:**

Description:

As Director of Risk Control of the Northeast Region I am responsible for risk control services for over 10,000 clients that vary from large government entities to power generating facilities. The zone staff routinely complete 15,000 inspections a year. My responsibilities include the following:

- Working with various government agencies to assist clients with compliance
- Working with staff counsel on contracts, compliance and litigation
- Coordination of claims services for CAT response
- Review of large claims
- Management of large accounts
- Presentations to industry organizations, large client leadership teams and future leaders
- Manage broker relationships
- Lead auditor of countrywide quality control

City: New York , **State:** New York

Country: United States

Employer: Enron Energy Services

Job Title: Senior Field Service Engineer

Start Date: September, 1999 , **End Date:** September, 2002

Description:

Managed field services for contracts exceeding \$1B in combined service and energy contracts. Piloted Field Service reporting and procedures for the Quality Control of contractor services at client locations. Conduct Due Diligence Surveys, Energy Management Surveys, Safety Surveys and Incident Investigations for energy assets at client locations. Participated in the Planned Maintenance Committee and Communication Committee

City: , **State:** New York

Country: United States

Employer: HSB/IRI**Job Title:** Industrial Group Consultant**Start Date:** September, 1991 , **End Date:** September, 2000**Description:**

Risk control activities at a wide range of accounts, including fully integrated pulp and paper facilities, fully integrated steel, chemical, co-generation, technologies, and pharmaceuticals. Extensive use and evaluation of non-destructive testing including mag flux particle testing, ultrasonic testing and infrared testing. Evaluated construction of non-code pressure vessels. Consult with Account Teams on renewals and new business. Conducted training on ASME Section I and Confined Space Entry. Authorized Inspector with supervisor endorsement for quality control programs for ASME and NBIC code repairs.

City: , State: New York**Country:** United States**Employer: CU****Job Title:** Underwriter/Loss Control Engineer**Start Date:** September, 1989 , **End Date:** September, 1991**Description:**

Marketed, quoted and underwrote middle market and small business accounts. Conducted broker visits and training. Responsible for all NYS & NJ claims. Conducted jurisdictional inspections on boilers and risk evaluations of small to medium size retail, institutional, commercial, co-generation and industrial facilities. Extensive use of New York Building Code Sections that pertain to boilers and New York State Boiler Codes.

City: , State: New York**Country:** United States**Employer: HSB****Job Title:** Loss Investigator**Start Date:** March, 1987 , **End Date:** March, 1989**Description:**

Conducted claims investigations in the New York City Metropolitan area. Piloted electronic claims system. Interfaced with claims and contractors to subjugate losses. Trained new field inspectors.

City: , State: New York**Country:** United States**Employer: USN****Job Title:** First Class Petty Officer**Start Date:** September, 1980 , **End Date:** January, 1987**Description:**

Work center supervisor in boiler engineering spaces, fuel/water testing lab, fire department and automatic control repair shop. Conducted training on propulsion system basics. Responsible for Quality Control of system and component repairs and replacements while assigned to the Philadelphia Shipyard. Extensive experience in the operation, maintenance and repair of steam propulsion equipment.

City: , State: Pennsylvania**Country:** United States

Education

Degree: Bachelor of Science
Major: Business
School: SUNY Empire State College
School (if not in the above list):
Has this degree been completed?: Yes
Date Acquired: May, 2012

Languages

Licenses, Designations and Certifications

License /Designation/Certification: Nat Brd Boiler Press Vess Inst
Issue Date: June, 1987
Expiration Date: December, 2017
License Number: 8965
Issued by: NBB&PVI
Active: Yes
State: New York , **Country:** United States

Professional Memberships

Organization: Nat Board Boilr/Press Vess Ins
Position / Role: Committee Member NB 269
Start Date: June, 2015 , **End Date:**
Current Role:

Organization: Amer Soc Mechanical Engineers
Position / Role: MEMBER
Start Date: February, 2011 , **End Date:**
Current Role:

Other Activities

Other Activity Type: Board
Organization: NBBPVI
Internal/External: External
From Date: May, 2017 , **To Date:** May, 2017
Other Activity: Presented to the general assembly on changes to RCI-1
Comments:

Other Activity Type: Classes Taught
Organization: National Board of BPV Inspectors
Internal/External: External
From Date: May, 2017 , **To Date:** May, 2017
Other Activity: Addressed the General Assembly on cahnges to Rules for Commisioned Inspectors
Comments:
 On going series:
 4/2104: Most critical leadership functions
 9/2014: Situational leadership

4/2015: Rumsfeld's Rules Chapter 1-7

9/2015: Rumsfeld's Rules Chapter 7-14

4/2016 Strength Based Leadership Review survey results

1/2017 "Bringing Out the Best in People"

Other Activity Type: Classes Taught

Organization: Tyson Foods

Internal/External: External

From Date: October, 2016 , **To Date:** October, 2016

Other Activity: Protection for Thermal Fluid Heaters

Comments:

Presented to operators, risk management and managers on NFPA 87 and ASME CSD-1 protection devices for thermal fluid heaters, their function, maintenance calibration and testing. Included an overview of construction codes and risk control activities for leakage prevention and CO prevention.

Other Activity Type: Committee

Organization: National Board Qualifications Committee

Internal/External: External

From Date: May, 2015 , **To Date:** December, 2016

Other Activity: Member

Comments:

Appointed member to the committee in May 2015. The committee sets the qualifications for certification internationally.

Other Activity Type: Task Force

Organization: NBBPV

Internal/External: External

From Date: June, 2013 , **To Date:** January, 2014

Other Activity: Task Group member for NBIC Part II

Comments:

Wire wound pressure vessels

Other Activity Type: Committee

Organization: NYC Department of Buildings

Internal/External: External

From Date: November, 2011 , **To Date:** June, 2013

Other Activity: NYC Code Com. MCC

Comments:

Panel and Com member

Other Activity Type: Committee

Organization: NJ State DOL

Internal/External: External

From Date: May, 2010 , **To Date:** September, 2011

Other Activity: NJ DOL Contractor License Com

Comments:

Com participation to develop Rules and Regs for contractors

Other Activity Type: Classes Taught

Organization: SORCE School Risk Control for Electrical Exposures

Internal/External: External

From Date: July, 2007 , **To Date:** July, 2014

Other Activity: NFPA 70B, NFPA 70, IEEE 242

Comments:

Internal and external classes for all lines risk control for electrical exposures.

Other Activity Type: Classes Taught

Organization: CNA

Internal/External: Internal

From Date: July, 2006 , **To Date:** August, 2007

Other Activity: Electrical Exposures Basic Risk Control

Comments:

Taught electrical safety and exposure classes to trainees

Other Activity Type: Major Project work

Organization: WWP

Internal/External: External

From Date: June, 2005 , **To Date:** September, 2008

Other Activity: Wounded Warrior Project

Comments:

Other Activity Type: Major Project work

Organization: Enron

Internal/External: External

From Date: April, 2000 , **To Date:** June, 2002

Other Activity: Fire Safety Audit Project

Comments:

Conducted safety audits at client locations

Other Activity Type: Classes Taught

Organization: Various

Internal/External: External

From Date: June, 1991 , **To Date:** June, 2014

Other Activity: ASME & NBIC Classes

Comments:

Certified trainer for various ASME, NFPA and jurisdictional code classes.

Other Activity Type: Major Project work

Organization: NJ DOL

Internal/External: External

From Date: November, 1987 , **To Date:** September, 2008

Other Activity: Second Class Engineer License Blue Seal

Comments:

Other Activity Type: Classes Taught

Organization: USN

Internal/External: External
From Date: January, 1986 , **To Date:** December, 1986
Other Activity: Propulsion Plant Operator Training
Comments:
Propulsion Plant Theory and operation

Other Activity Type: Major Project work
Organization: USN
Internal/External: Internal
From Date: June, 1985 , **To Date:** July, 1985
Other Activity: Command Assessment Team & Leadership Management Training
Comments:
Leadership and Command Assessment Team Training completed in 1981 and 1985

Other Activity Type: Major Project work
Organization: US DOL
Internal/External: Internal
From Date: March, 1984 , **To Date:** September, 2008
Other Activity: DOL Propulsion Plant Engineer
Comments:
Complete apprenticeship program for certification

Other Activity Type: Major Project work
Organization: USN
Internal/External: Internal
From Date: June, 1981 , **To Date:** December, 1983
Other Activity: BFWF Lab Tech
Comments:
Certified BFWF Lab Tech and Fuel & lube oil test lab tech

CNA Honors and Awards

Award : CNA Focus - Silver
Date Received: October, 2009

Award : CNA Focus - Silver
Date Received: October, 2009

Award : CNA Focus - Gold
Date Received: July, 2009

Award : CNA Focus - Platinum
Date Received: April, 2008

Award : CNA Focus - Gold
Date Received: March, 2006

Award : CNA Focus - Gold
Date Received: November, 2005

Award : CNA Focus - Bronze
Date Received: June, 2004

Award : CNA Focus - Silver
Date Received: January, 2004

Career Mobility

Mobility: Qualified Mobility

Description:

Mobile for the right opportunity

Current Date: May, 2017

PROPOSED INTERPRETATION

Inquiry No.	20-3
Source	Nathan Carter, Hartford Steam Boiler
Subject	<p>Inspector Involvement for Fitness-for-Service Assessments</p> <p>Background: Background:</p> <p>The below questions are intended to gain clarity as to first which Inspector (i.e. “IS” Commissioned or “R” Endorsement) signs the FFSA Form NB-403 when an “R” Certificate Holder is involved with a repair in that region as well as determine what level of review of the Fitness-for-Service the Inspector is expected to complete. If it is an Inspector holding a “R” Endorsement with an AI Commission (not tested on NBIC Part 2), shouldn’t the relevant pages in NBIC Part 2 concerning Fitness for Service be included in their tested body of knowledge, so they are aware of the detailed rules?</p> <p>The Body-Of-Knowledge for National Board Inspectors holding either an “IS” Commission or “R” Endorsement does not reference ASME FFS-1/API 579 Fitness-For-Service Standard or have any expectation that the Inspector be capable of determining if the correct Fitness for Service methodology was used or that the assumptions taken by the Engineer in the analysis were the most appropriate or accurate. Clarification is also requested due to the Form NB-403 signature block stating “Verified by” for the Inspector without any other disclaimers as typically found on other Forms signed by Inspectors such as ASME MDRs and NBIC Form R-1/R-2.</p> <p>An example is a R-Certificate holder was hired to repair a weld seam. It was discovered during a repair that multiple base metal laminations existed adjacent to the repair location. A Fitness for Services Evaluation was subsequently performed. The first question is whether or not it is the responsibility of the Repair Inspector to sign the FFSA form once everything has been properly vetted, since the defect being left in place is not necessarily within the scope of the initial repair being performed by the “R” Certificate Holder, or should this be signed off by a Commissioned Inservice Inspector, since they are examined on the rules of NBIC Part 2? Also, Form NB-403 is vague in the signature block region for the scope of what the Inspector is signed for. It could be alluded that without a statement, such as those found on the R-1 and R-2 forms, the Inspector is signing off on the appropriateness and adequacy of the Fitness-For-Service methodology performed by the Engineer.</p>
Edition	2019; Part: Inspection & Repairs and Alterations; Section: 4 & 3; Paragraph: 4.4; Form NB-403; & 3.3.4.8
Question	<p>Question 1: In accordance with NBIC Part 3, 3.3.4.8, a fitness-for-service condition assessment as described in NBIC Part 2, 4.4 shall be completed and adequately documented on the FFSA Form NB-403. Once Form NB-403 is completed, is it required that the Inspector signing this Form hold a National Board “R” Endorsement as described in RCI-1/NB-263?</p> <p>Question 2: NBIC Part 2 4.4.1 d) states that the Inspector shall indicate acceptance of the Report of FFSA by signing. Paragraph 4.4.3 b) states that the Inspector shall review the condition assessment methodology and ensure that the inspection data and documentation are in accordance with Part 2. Is the Inspector’s signature on Form NB-403 an indication that the condition assessment and recommendations completed by the Engineer have been fully reviewed for appropriateness and accuracy by the Inspector?</p>

	Question 3: If the answer to Question 2 is No, is the Inspector's signature on Form NB-403 an indication of acceptance solely on the basis of review of the Form for completeness and verification that the requirements outlined in 4.4 were addressed?
Reply	Proposed Reply 1: Yes Proposed Reply 2: No Proposed Reply 3: Yes
Committee's Question	
Committee's Reply	Question 1: Question 2: Question 3:
Rationale	

Item 18-43
January 14, 2020
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1.6 CHANGE OF SERVICE

Supplement 9 of this part provides requirements and guidelines to be followed when a change of service or service type is made to a pressure-retaining item.

Whenever there is a change of service, the Jurisdiction where the pressure-retaining item is to be operated, shall be notified for acceptance, when applicable. Any specific jurisdictional requirements shall be met.

1.7 SCRAPPING PRESSURE RETAINING ITEMS

The Owner/User shall ~~should~~ deface the code nameplate(s) of any pressure retaining item that is scrapped. The removal or defacement of the Code nameplate(s) should be verified by the Inspector, and the National Board form NB-XXX shall be completed and submitted to the National Board and jurisdiction, if required.

ADD DEFINITION:

SCRAPPED – Permanent removal from service by owner/users procedures.

Scrapping of Pressure Retaining Items
In accordance with provisions of the National Board Inspection Code

1. Submitted to:

Name of Jurisdiction

Address

Phone Number

2. Submitted By:

(Name of Owner/User)

Address

Phone Number

3. Manufactured by:
(name and address)

4. Location of Installation:
(address)

5. Manufacturer's Data Report:

YES NO

6. Item Registered with National Board:

YES NO

NB Number: _____

7. Item Identification:

Year Built: _____

Mfr. Serial No.: _____

Type: _____

Jurisdiction no.: _____

Dimensions: _____

MAWP: _____

8. Date of removal or defacement of the Code nameplate(s) _____

9. I certify that to the best of my knowledge and belief the statements in this report are correct, and with provisions of the National Board Inspection Code.

Name of Owner or User: _____

Signature: _____ Date: _____

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Instructions for Completing the Form NB-XXX, *Scrapping of Pressure Retaining Items Form*

Items 1-9 shall be completed by the owner, user, or "R" Stamp Holder making the request.

- 1) The name, address, and phone number of the Jurisdiction, Authorized Inspection Agency (when there is no Jurisdiction) the form is being submitted to for approval.
- 2) Enter the name and address of your company or organization.
- 3) Enter the name and address of the manufacturer shown on the name plate.
- 4) Enter the name and address of the location where the pressure-retaining item is installed. If this is the same as number 2, check the box "same as # 4."
- 5) Manufacture's Data Report Attached-check the appropriate box.
- 6) Is the pressure-retaining item registered with the National Board? Check the appropriate block. If yes provide the National Board Registration Number.
- 7) Provide as much information as known to help identify the pressure-retaining item.
- 8) Enter date the removal or defacement of the Code nameplate.
- 9) Enter the name and signature of the Owner, User, or "R" Stamp Holder (and "R" Stamp number if applicable).

Note: Once completed the requester shall file a copy with the Jurisdiction where the pressure retaining item is installed, the National Board, and the owner or user of the vessel if the request was made by and "R" Stamp holder, and upon request to the Authorized Inspection Agency who witnessed the removal or defacement of the nameplate.

Item 19-78

Subject: Detailed Requirements for Inservice Inspection of Cast Iron Boilers.

NBIC Location: Part 2, 2.2.12.1 a)

Explanation of Need: The only reference to cast iron material in ASME Section I is PMB-5.4 that allows heads or parts of miniature boilers, when not exposed to direct action of the fire, may be made of cast iron or malleable iron provided it complies with a specification permitted by Section I. Heads and parts do not make up the complete boiler. ASME Section VIII Div. 1, UCI-2 states that cast iron boilers shall not be used in direct firing applications or in unfired steam boilers.

Background Information: The language to include "or high" pressure steam was added in the 2007Ed/2007Add of the NBIC Part 2. Unfortunately, there are no historical records or interpretations supporting the need for the revision in 2007. Both the 2004/2006 and 2007/2007 NBIC paragraphs have been provided for reference.

Proposed Revision:

2.2.12.1 CAST-IRON BOILERS

- a) Cast-iron boilers are used in a variety of applications to produce low-~~or high~~ pressure steam and hot-water heat. Cast-iron boilers should only be used in applications that allow for nearly 100% return of condensate or water and are not typically used in process-type service. These boilers are designed to operate with minimum scale, mud, or sludge, which could occur if makeup water is added to this system.

Item 19-80

Subject: Conflicting statements in Part 1 and Part 2 about boiler controls

NBIC Location: Part 2, 2.2.10.6 l) 1)

Explanation of Need: Requirements in this section need to be consistent with Part 1, 2.8.4 a) to avoid confusion.

Background Information:

2.8.4 PRESSURE CONTROL (From NBIC Part 1)

Each automatically fired steam boiler shall be protected from overpressure by two pressure operated controls.

- a) Each individual steam boiler or each system of commonly connected steam boilers shall have a control that will cut off the fuel supply when the steam pressure reaches an operating limit, which shall be less than the maximum allowable working pressure.

2.2.10.6 CONTROLS (From NBIC Part 2)

l) Check that the following controls/devices are provided:

- 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.

Proposed Revision:

l) Check that the following controls/devices are provided:

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.

The highlighted area is what was proposed to be removed.

Item 19-93
January 7, 2020
Part 2, 5.3.2

Proposed

5.3.2 FORMS

- a) REPLACEMENT OF STAMPED DATA FORM (NB-136), see Pg. [8286](#)
- b) FORM NB-4 NEW BUSINESS OR DISCONTINUANCE OF BUSINESS, see Pg. [8488](#)
- c) FORM NB-5 BOILER OR PRESSURE VESSEL DATA REPORT, see Pg. [8589](#)
- d) FORM NB-6 BOILER-FIRED PRESSURE VESSELS REPORT OF INSPECTION, see Pg. [8791](#)
- e) FORM NB-7 PRESSURE VESSELS REPORT OF INSPECTION, see Pg. [8892](#)
- f) FORM NB-403 REPORT OF FITNESS FOR SERVICE ASSESSMENT, see Pg. [9094](#)