



THE NATIONAL BOARD
OF BOILER AND PRESSURE VESSEL INSPECTORS

Date Distributed: August 1, 2022

NATIONAL BOARD INSPECTION CODE SUBCOMMITTEE INSPECTION

MINUTES

Meeting of July 13, 2022
Indianapolis, IN

*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

Chair, Jim Getter called the meeting to order at 8:01 am (EST)

2. Introduction of Members and Visitors

Secretary, Jodi Metzmaier took a roll call of the members. Mr. Getter then asked all members and visitors, in person and virtual, to state their name and company/interest.

All attendees are listed on **attachments pages 1-3**.

3. Check for a Quorum

A quorum was established with 17 of 22 members in attendance.

4. Awards/Special Recognition

None.

5. Announcements

Ms. Metzmaier gave the announcements

6. Adoption of the Agenda

A motion was made to adopt the agenda as presented. The motion was seconded. When asked if there were any comments the following items were added to the agenda:

- Add Patrick Polick (Jurisdictional Authority) as a nominee to SC Inspection
- Add action item 22-22
- Add action item 22-23
- A representative from FRP will be giving a presentation with updates from their standing task group.
- Add Part 3 item 21-67 to the “Open items related to inspection”

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

7. Approval of the Minutes of the January 19, 2022, Meeting

A motion was made to approve the minutes from the January 19, 2022, meeting. The motion was seconded and unanimously approved.

8. Review of Rosters

a. Membership Nominations

Mr. Patrick Polick (Jurisdictional Authorities) has expressed interest in becoming a member of **Subgroup & Subcommittee** Inspection.

Mr. Polick spoke on his behalf stating why he would like to be a member of SG and SC Inspection. Mr. Polick left the room, and a motion was made to appoint him to SG & SC Inspection. The motion was seconded and unanimously approved.

b. Membership Reappointments

- The following **Subgroup** members are up for reappointment: Mr. Ernest Brantley, Mr. David Buechel, and Mr. David Rose.

Mr. Brantley, Mr. Buechel, and Mr. Rose were all voted for recommendation for reappointment to SG Inspection during the SG Inspection meeting. A motion was made to recommend all 3 members be reappointed. The motion was seconded and unanimously approved.

- The following **Subcommittee** members are up for reappointment: Mr. David Buechel, Mr. James Clark, Mr. Venus Newton, and Mr. David Rose.

Mr. Buechel, Mr. Clark, Mr. Newton, and Mr. Rose all confirmed they would like to be reappointed to SC Inspection. A motion was made to recommend all 4 members be reappointed. The motion was seconded and unanimously approved.

c. Officer Appointments

None.

9. Open Items Related to Inspection

- a. **PRD** – there are currently no open PRD items related to Part 2.
- b. **R&A**
 - i. **Item 22-05** – Clarify NDE requirements as it pertains to OCC edition. (D. Kinney as PM). Mr. Scarcella worked with Part 3 with and based on the changes they are making; he opened an action item (Item 22-22) for the SC Inspection.
 - ii. **Item 21-67** – Mr. Horbaczewski spoke to the SC on this item, which led to a lot of conversation regarding the information in Part 2. The 4 SG members will continue to be in contact with Part 3 on this item to see what direction they go, and eventually they will decide if a new action item is needed to be opened for Part 2.

10. Interpretations.

None.

11. Action Items

a. TG FRP Items

Item Number: NB16-1402	NBIC Location: Part 2, New Supplement	No Attachment
General Description: Life extension for high pressure FRP vessels above 20 years		
Subgroup: FRP		
Task Group: M. Gorman (PM)		
Update from April 2022 FRP Meeting: Mr. Gorman stated that this proposal has been on hold pending ASME action as well as the gathering of data to help inform the best procedures for life extension. Based on recent ASME Section X discussions and the collection of required data, he is prepared to finalize the proposal for this item. He and the item task group will have a proposal ready to share with the group at the October FRP meeting.		
July 2022 Action: PROGRESS REPORT: The group discussed this item and decided to wait and see if the TG can come up with a proposal.		

b. TG Historical Items

Item Number: 20-26	NBIC Location: Part 2, S2	No Attachment
General Description: Concern for Historical Boiler Inspections Nationwide		
Subgroup: Historical		
Task Group: T. Dillon (PM), R. Underwood, L. Moedinger, M. Wahl, D. Rupert, K. Anderson, M. Sansone & J. Wolf		
Explanation of Need: Currently Jurisdictions are not uniform in adoption of how and when inspections are performed.		
July 2022 Action: PREOGRESS REPORT: Mr. Getter discussed this item with the SC stating there was a progress report at the Historical TG meeting.		

Item Number: 21-03	NBIC Location: Part 2, S2	No Attachment
General Description: Inspection of through stays and diagonal stays (submitted by David Rose)		
Subgroup: Historical		
Task Group: D. Rose (PM), R. Bryce, R. Forbes, C. Jowett		
Explanation of Need: The code is silent on the inspection of through stays and diagonal stays. Additionally, new repair methods are available from ASME that can be incorporated.		
July 2022 Action: PROGRESS REPORT: Mr. Rose gave the SC an update on this item. The proposal is still in progress.		

Item Number: 21-34	NBIC Location: Part 2, S2	No Attachments
General Description: Working Pressure Calculations for Curved Stayed Surfaces		
Subgroup: Historical		
Task Group: Mike Wahl (PM), R. Bryce, and T. Dillon		
Background: In January 2021, Dr. Bryce initiated the conversation with the group for this topic. He is proposing the group open an item to address working pressure calculations for curved stayed surfaces. After discussion, a task group was formed		
July 2022 Action: PROGRESS REPORT: Mr. Rose gave the SC an update on this item. There is currently no progress for this proposal.		

c. TG Locomotive Items

There are currently no Locomotive items open for Part 2.

d. SG Inspection Items

Item Number: 20-46	NBIC Location: Part 2, 5.3.2	Attachment Pages 4-5
General Description: Updates to Forms NB-5, NB-6, & NB-7		
Subgroup: Inspection		
Task Group: D. Buechel (PM), V. Scarcella, J. Petersen, M. Mooney		
Explanation of Need: On the current forms NB-5, NB-6, & NB-7 there are fields that are already on the ASME Manufactures Data Report making them repetitive. Other fields that ask for in- depth technical information would be hard if not impossible for an inspector to determine and are irrelevant to the inspection process.		
July 2022 Action: Mr. Buechel presented the proposal of the revised forms to the SC, which were unanimously approved through SG Inspection. A motion was made to accept the forms as presented. The motion was seconded and unanimously approved.		

Item Number: 20-57	NBIC Location: Part 2, 4.4.1 a)	No Attachment
General Description: Evaluate revision to Part 2, 4.4 FFS Scope roles and responsibilities and API 579-1/ASME FFS-1		
Subgroup: Inspection		
Task Group: M. Horbaczewski (PM) and B. Ray.		
Submitted by: George Galanes		
Explanation of Need: Currently, there is confusion surrounding implementation of FFS for Part 2 inspection activities, where the FFS form is located and Part 3 activities regarding Part 3, 3.3.4.8 because it references Part 2 for FFS. In addition, we need to have a Part 2 Inspection member to be assigned to assist in the development of roles and responsibilities.		
July 2022 Action: PROGRESS REPORT: Mr. Horbaczewski is still waiting on further information before creating a proposal to incorporate anything necessary for Part 2.		

Item Number: 21-25	NBIC Location: Part 2	No Attachment
General Description: Autoclave/Quick Opening Device PP		
Subgroup: Inspection		
Task Group: V. Scarcella (PM), T. Bolden, M. Horbaczewski, J. Peterson, J. Clark, W. Hackworth, M.A. Shah, C. Becker.		
Submitted by: Kevin Hawes		
Explanation of Need: Upon our AIA (Intact) QRR I produced a Power point presentation on Autoclave inspections. Your NB team leader Gary Scribner suggested I forward this inspection presentation to the NB for review of content as mention of good reference material for next NBIC edition. I have attached a copy of this PP for your considerations.		
July 2022 Action: PROGRESS REPORT: Mr. Scarcella spoke on this item. He is planning to go back through the proposal he is creating to add comments to include reasoning to why some of the wording is being deleted. He has also asked the committee for input on requiring an integrity program.		

Item Number: 21-40	NBIC Location: Part 2	Attachment Page 6
General Description: Define "Remote" in the NBIC Glossary		
Subgroup: Inspection		
Task Group: V. Newton (PM), B. Ray, J. Morgan		
Explanation of Need: With the use of indirect inspection equipment from borescopes to tethered drones/vehicles for confined space inspections, there is a need to clarify what is considered a "remote" inspection vs an "indirect" inspection.		
July 2022 Action: Mr. Newton presented the proposal to the SC, which was unanimously passed through SG. A motion was made to accept the proposal as presented. The motion was seconded and unanimously approved.		

Item Number: 21-41	NBIC Location: Part 2, 4.2 c)	No Attachment
General Description: Requirements for NDE procedures and personnel		
Subgroup: Inspection		
Task Group: V Scarcella (PM), W. Hackworth, D. Rose, J. Peterson		
Explanation of Need: Lacking qualification requirements has resulted in poor NDE.		
July 2022 Action: A motion was made to close this item with no action , as it was rolled into the new item 22-22. The motion was seconded and unanimously approved.		

Item Number: 21-46	NBIC Location: Part 2, 1.3 & 9.1	Attachment Page 7
General Description: Defining “Listed and Labeled”		
Subgroup: Inspection		
Task Group: D. Graf (PM), J. Roberts		
Explanation of Need: Main Committee asked about having these defined in the NBIC.		
July 2022 Action:		
Mr. Graf presented the proposal to the SC, which was passed unanimously through SG. Ms. Wadkinson asked if the proposal should be sent through Part 1 for review and approval before proposing the text to MC. After a search into Part 1, it was noticed the terms “Listed” and “Labeled” do not appear enough throughout Part 1, so it does not need to go through Part 1 before presenting it to MC. Mr. Scribner noticed the proposed changes were not created using the current CSD-1. Mr. Graf will make changes to the proposal, and we will readdress this item once the changes have been made.		
Mr. Graf revised the proposal and re-presented the proposal. During the SC review of the revised proposal, there were a few more changes made to the proposal. A motion was made to accept the revised proposal. The motion was seconded and unanimously approved.		

Item Number: 21-47	NBIC Location: Part 2, 2.2.4 & 2.2.5	No Attachment
General Description: To provide better guidance as it relates to carbon monoxide		
Subgroup: Inspection		
Task Group: W. Hackworth (PM), V. Scarcella, D. Buechel, T. Barker, T. Bolden		
Explanation of Need: Need to provide more comprehensive items to be reviewed to guide the inspector on carbon monoxide and combustion air.		
July 2022 Action:		
PROGRESS REPORT: Mr. Scarcella gave a progress report to the SC.		

Item Number: 21-50	NBIC Location: Part 2, 2.3.6.4 & S7	No Attachment
General Description: Ensure IIAR PV Integrity codes are aligned with NBIC II		
Subgroup: Inspection		
Task Group: D. Graf (PM), J. Mangas, M. Horbaczewski, J. Clark, J. Roberts, T. Vandini		
Explanation of Need: NH3 growing exposure.		
July 2022 Action:		
Mr. Graf presented this item to the SC. He stated to the committee, after reviewing NBIC Part 2 concerning ammonia, although not necessarily word for word, the task group felt the minor differences between the IIAR and the NBIC do not require any changes to NBIC Part 2. A motion was made to close this item with no action . The motion was seconded and unanimously approved.		

12. New Items:

Item Number: 22-03	NBIC Location: Part 2	No Attachment
General Description: Create example inspection list		
Subgroup: Inspection Task Group: None assigned. Submitted by: V. Scarcella		
Explanation of Need: Average high and low mean failure rate has a 10 point plus gap which needs to be closed. The Chief of LA, Donnie LeSage brought up the item in COQ but resigned Part 2 due to other duties.		
July 2022 Action: PROGRESS REPORT: Mr. Scarcella gave a progress report to the SC. A task group was created during the SG meeting. TASK GROUP: V. Scarcella (PM), M. Sansone, M. Mooney, T. Bolden, and D. Buechel		

Item Number: 22-06	NBIC Location: Part 2, 3.4.9 e)	No Attachment
General Description: Part 2 task group to review Part 3 Item 21-53		
Subgroup: Inspection Task Group: None assigned. Submitted by: D. Graf		
Explanation of Need: Part 2 task group to investigate further changes to Part 2/Part 3 that could be needed because of action item 21-53.		
July 2022 Action: PROGRESS REPORT: Mr. Getter stated Part 3 took 21-53 as a progress report so there is nothing for Part 2 to act on yet.		

Item Number: 22-22	NBIC Location: Part 2, 4.2	No Attachment
General Description: Changes and additions to align with part III with in service inspections		
Subgroup: Inspection Task Group: Submitted By: V. Scarcella		
Background Information: Several areas where part III after repair in service inspections should be aligned with part II.		
July 2022 Action: PROGRESS REPORT: Mr. Scarcella presented his proposed changes to the SC. He also presented ASME Section V, T-120 for reference showing why he was making his changes to NBIC Part 2. The committee discussed these changes thoroughly, then decided to create a task group to come up with a proposal. TASK GROUP: T. Bolden (PM), J. Clark, J. Petersen, M. Sansone, B. Ray, D. Graf, and J. Mangas		

General Description: Removing Section 8 from all 4 Parts of the NBIC

Subgroup: Executive Committee

Task Group:

Submitted By: G. Scribner

Explanation of Need: The current wording in Section 8 is obsolete and the actual process for submitting Interpretations, Code Revisions, and Code Additions is now located in the Introduction of the NBIC.

July 2022 Action:

Mr. Scribner presented this item to the SC. He examined why Section 8 is obsolete and should be deleted. The proposed wording will direct anyone reading the NBIC to the Introduction. A motion was made to accept the proposal as presented. The motion was seconded and unanimously approved.

13. Mr. Aaron Viet gave a power point presentation on Graphite.

14. Future Meetings

- January 2023 – Charleston, SC
- July 2023 – TBD

Mr. Getter discussed the future meetings with the SC.

15. Adjournment

A motion was made to adjourn the meeting at 11:24 am (EST). The motion was seconded and unanimously approved.

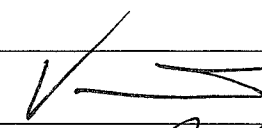
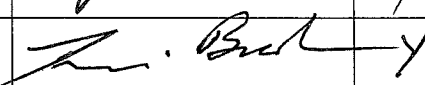
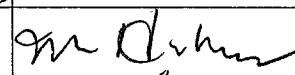
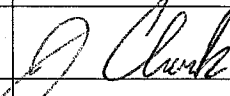
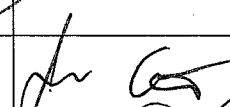
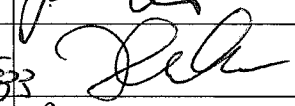
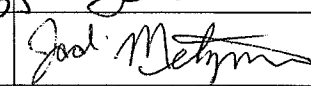
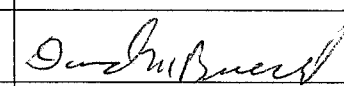

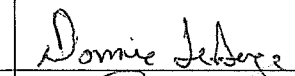
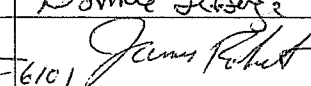

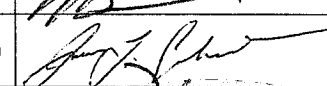
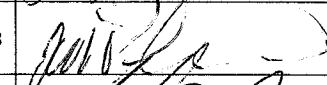
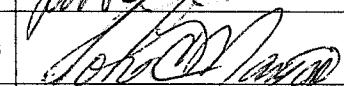

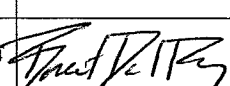
Respectfully submitted,



Jodi Metzmaier
Subcommittee Inspection Secretary

NBIC Subcommittee Inspection Attendance - 7/13/2022

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First Last	Email	Company	Phone #	Signature	Attending Reception?
William Hackworth	william.hackworth@tuvsud.com	ARISE	732-221-3461		
Venus Newton	venus_newton@yahoo.com	XL Insurance America	404 710-8626		Y
Timothy Barker	Timothy.Barker@fmglobal.com	FM Global	360 801-3790		Y
Mark Horbaczewski	MHorbaczewski@diamondtechnicalservices.com	Diamond Technical Services	815 634-2727		Y
James Clark	James.Clark@worthingtonindustries.com	Worthington Industries	614 840-3661		N
Jason Safarz	jsafarz@selas.com	Selas	330 653-4076		
Jim Getter	jim.getter@worthingtonindustries.com	Worthington Industries	614 840-3087		Y
Thomas Vandini	tvandini@propanetank.com	Quality Steel	419 333-5205 455-3933		Y
Jodi Metzmaier	jmetzmaier@nationalboard.org	The National Board	614 888-8320		Y
Ernest Brantley	ernest.brantley@bpcllca.com	XL Insurance America	337 842-7044		
David Buechel	david_buechel@hsb.com	Hartford Steam Boiler	412 310 7740		Y
Darrell Graf	grafdr@airproducts.com	Air Products & Chemicals	601 799-2889		Y
Donnie LeSage	Donnie.LeSage@LA.gov	State of Louisiana	225 925-4572		Y
James Roberts	james.roberts@arcosa.com	ARCOSA TANK, LLC Trinity Containers	314 589-8344 469 818-6101		Y
Matthew Sansone	matthew.sansone@labor.ny.gov	NYS Department of Labor	518 457-2722		YES
James Calvert	jcalvert@lilly.com	Eli Lilly and Company	317 679-4900		N
Jeffrey Petersen	Jeffrey.Petersen@inl.gov	Battelle Energy Alliance	208-526-1568		YES
John Mangas	mangasjc@airproducts.com	Air Products & Chemicals	925 997-5633		YES
David Rose	dr3747@telus.net	T&T Inspections	1 780 217-8175		
Joseph Morgan	jemorgan1@dow.com	Dow Chemical	225-692-1906		
Brent Ray	bdray@marathonpetroleum.com	Marathon Petroleum	606-326-2574		Yes
Jerry Jessick	jjessick@fusion-etc.com	Fusion Integrated Solutions	920-819-8570		

Subcommittee Inspection Attendees - July 13, 2022

MEMBERS:	Interest Category	In Person	Remote	Not In Attendance
Jim Getter - Chair	Manufacturers	x		
Mark Horbaczewski - Vice Chair	Users	x		
Jodi Metzmaier - Secretary	NBBI	x		
Tim Barker	Authorized Inspection Agencies	x		
Ernest Brantley	Authorized Inspection Agencies		x	
David Buechel	Authorized Inspection Agencies	x		
James Calvert	National Board Certificate Holders	x		
James Clark	Manufacturers	x		
Darrell Graf	National Board Certificate Holders	x		
William Hackworth	Authorized Inspection Agencies			x
Jerry Jessick	Users			x
Donnie LeSage	Jurisdictional Authorities	x		
John Mangas	General Interest	x		
Joe Morgan	Users			x
Venus Newton	Authorized Inspection Agencies	x		
Jeffrey Petersen	Users	x		
Brent Ray	Users	x		
James Roberts	Manufacturers	x		
David Rose	Users		x	
Jason Safarz	General Interest			x
Matt Sansone	Jurisdictional Authorities	x		
Vincent Scarcella	Authorized Inspection Agencies	x		
Thomas Vandini	National Board Certificate Holders	x		

VISITORS:	Company/Title/Interest	In Person	Remote
Tim Bolden	CNA	x	
Rob Troutt	Chair of BOT/State of Texas	x	
Chuck Becker	Quality Steel	x	
Craig Bierl	Chubb Insurance		x
Lee Burton	Air Products & Chemicals	x	
Mark Mooney	NBBI	x	
Patrick Polick	State of Illinois	x	
Luis Ponce	NBBI	x	
Gary Scribner	NBBI	x	
John King	Chubb Insurance		x
Daniel Moreno	Evonik Corporation Tiptecanoe Laboratories		x
Ramish Dixit	PCCI Hyperbaric Systems	x	
Melissa Wadkinson	MC vice Chair	x	
Aaron Viet	CG Thermal	x	

FORM NB-6 BOILER-FIRED PRESSURE VESSEL REPORT OF INSPECTION <i>Standard Form for Jurisdictions Operating Under the ASME Code</i>							
1	DATE INSPECTED MO / DAY / YEAR	CERT EXP DATE MO / YEAR	CERTIFICATE POSTED <input type="checkbox"/> YES <input type="checkbox"/> NO	USER NUMBER	JURISDICTIONAL NO	NAT'L BD NO <input type="checkbox"/> OR SERIAL # (IF CAST IRON) <input type="checkbox"/>	First Inspection Yes <input type="checkbox"/> No <input type="checkbox"/>
2	EQUIPMENT LOCATION NAME			NATURE OF BUSINESS		KIND OF INSPECTION <input type="checkbox"/> INT <input type="checkbox"/> EXT	
	EQUIPMENT LOCATION STREET ADDRESS			EQUIP LOC CITY		EQUIP LOC STATE	
3	CERTIFICATE BUSINESS NAME			CERT CONTACT NAME		CERT CONTACT E-MAIL	
	CERTIFICATE MAILING STREET ADDRESS			CERT CITY		CERT STATE	
4	INVOICE BUSINESS NAME			CERT INVOICE CONTACT NAME		INVOICE E-MAIL	
	INVOICE STREET ADDRESS			INVOICE CITY		INVOICE STATE	
5	TYPE <input type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CI <input type="checkbox"/> OTHER _____		ASME/Other Code	YEAR BUILT	MANUFACTURER		Manhole <input type="checkbox"/> Handhole <input type="checkbox"/> Neither <input type="checkbox"/>
6	USE <input type="checkbox"/> POWER <input type="checkbox"/> PROCESS <input type="checkbox"/> STEAM HEATING <input type="checkbox"/> HWH <input type="checkbox"/> HWS <input type="checkbox"/> OTHER _____			FUEL Type	METHOD OF FIRING		LOCATION IN PLANT
7	Low Water Cut Out :Installed Yes <input type="checkbox"/> No <input type="checkbox"/> Tested Yes <input type="checkbox"/> No <input type="checkbox"/>		High Limit Temp/Pressure Installed Yes <input type="checkbox"/> No <input type="checkbox"/>	Was Boiler Fired Yes <input type="checkbox"/> No <input type="checkbox"/>	Combustion Controls CSD-1 <input type="checkbox"/> NFPA <input type="checkbox"/> ANSI <input type="checkbox"/> other <input type="checkbox"/> _____		Combustion Air Verified Yes <input type="checkbox"/> No <input type="checkbox"/>
8	ARE THERE ANY KNOWN OUTSTANDING (OPEN) VIOLATIONS FOR THIS EQUIPMENT? YES <input type="checkbox"/> NO <input type="checkbox"/> (IF YES, EXPLAIN FULLY UNDER ADVERSE CONDITIONS FOUND)			Log/Record review Yes <input type="checkbox"/> No <input type="checkbox"/>		PRESSURE TEST <input type="checkbox"/> YES _____ PSI DATE _____ <input type="checkbox"/> NO	
9	Stamped MAWP	Min. PRD required Capacity	# OF PRD's _____ TOTAL CAPACITY _____ SET PRESSURE _____ CAPACITY _____ SET PRESSURE _____ CAPACITY _____ SET PRESSURE _____ CAPACITY _____				
10	INSPECTORS COMMENTS: Verify any repairs were completed by a qualified repair company, and when applicable, the proper repair/alteration forms are completed.						
11	ADVERSE CONDITIONS FOUND:						
12	REQUIREMENTS:						
13	NAME AND TITLE OF PERSON TO WHOM REQUIREMENT WERE EXPLAINED				E-MAIL		PHONE #
14	I HEREBY CERTIFY THIS IS A TRUE REPORT OF MY INSPECTION			NB COMMISSION #	EMPLOYED BY		IDENT. NO.
15	INSPECTOR SIGNATURE						

THIS FORM MAY BE OBTAINED FROM THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS, 1055 CRUPPER AVE, COLUMBUS, OH 43229

FORM NB-7 PRESSURE VESSELS							
REPORT OF INSPECTION							
Standard Form for Jurisdictions Operating Under the ASME Code							
DATE INSPECTED MO / DAY / YEAR	CERT EXP DATE MO / YEAR	CERTIFICATE POSTED <input type="checkbox"/> YES <input type="checkbox"/> NO	USER NUMBER	JURISDICTIONAL NO	NAT'L BD NO <input type="checkbox"/> OR SERIAL # (IF CAST IRON) <input type="checkbox"/>	First Inspection Yes <input type="checkbox"/> No <input type="checkbox"/>	
EQUIPMENT LOCATION NAME			NATURE OF BUSINESS		KIND OF INSPECTION <input type="checkbox"/> INT <input type="checkbox"/> EXT		CERTIFICATE RENEWAL YES <input type="checkbox"/> NO <input type="checkbox"/>
EQUIPMENT LOCATION STREET ADDRESS				EQUIP LOC CITY	EQUIP LOC STATE	Zip Code	
CERTIFICATE BUSINESS NAME				CERT CONTACT NAME		CERT CONTACT E-MAIL	
CERTIFICATE MAILING STREET ADDRESS				CERT CITY	CERT STATE	Zip Code	
INVOICE BUSINESS NAME				CERT INVOICE CONTACT NAME		INVOICE E-MAIL	
INVOICE STREET ADDRESS				INVOICE CITY	INVOICE STATE	Zip Code	
TYPE: <input type="checkbox"/> FT <input type="checkbox"/> WT <input type="checkbox"/> CI <input type="checkbox"/> OTHER _____		ASME/Other Code	YEAR BUILT	MANUFACTURER		Manhole <input type="checkbox"/> Handhole <input type="checkbox"/> Neither <input type="checkbox"/>	
USE <input type="checkbox"/> STORAGE <input type="checkbox"/> PROCESS <input type="checkbox"/> HEAT EXCHANGE <input type="checkbox"/> OTHER _____			VERTICAL / HORIZONTAL		LENGTH		DIAMETER
Stamped MAWP		Min. PRD required Capacity	# OF PRD's _____ TOTAL CAPACITY _____ SET PRESSURE _____ CAPACITY _____ SET PRESSURE _____ CAPACITY _____ SET PRESSURE _____ CAPACITY _____		Size (CuFt or Gallons)		
ARE THERE ANY KNOWN OUTSTANDING (OPEN) VIOLATIONS FOR THIS EQUIPMENT? YES <input type="checkbox"/> NO <input type="checkbox"/> (IF YES, EXPLAIN FULLY UNDER ADVERSE CONDITIONS FOUND)					PRESSURE TEST <input type="checkbox"/> YES _____ PSI DATE _____ <input type="checkbox"/> NO		
INSPECTORS COMMENTS: <i>Verify any repairs were completed by a qualified repair company, and when applicable, the proper repair/alteration forms are completed.</i>							
ADVERSE CONDITIONS FOUND:							
REQUIREMENTS:							
NAME AND TITLE OF PERSON T WHOM REQUIREMENTS WERE EXPLAINED			EMAIL		PHONE#		
I HEREBY CERTIFY THIS IS A TRUE REPORT OF MY INSPECTION			NB COMMISSION #	EMPLOYED BY			IDENT. NO.
INSPECTOR SIGNATURE							
THIS FORM MAY BE OBTAINED FROM THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS, 1055 CRUPPER AVE, COLUMBUS, OH 43229							

Item Number: 21-40

Add to the Glossary:

Remote Visual Inspection- the examination of a PRI via a camera affixed to a mobile platform not operated by the Inspector, where the Inspector does not have direct line of sight with the area being examined by the camera.

Item 21-46

Add to the Glossary:

Labeled: Equipment or materials that comply with nationally or internationally recognized standards and are so labeled. The label of a nationally or internationally recognized testing agency that maintains periodic inspection of production of labeled equipment or materials has been applied.

Listed: Equipment or materials that are included in a list published by a nationally or internationally recognized testing agency that maintains periodic inspection of production of listed equipment or materials. Listing indicates compliance with nationally or internationally recognized standards.

Item 22-23

Subject: Removing Section 8 from all 4 Parts of the NBIC

Explanation of Need: The current wording in Section 8 is obsolete and the actual process for submitting Interpretations, Code Revisions, and Code Additions is now located in the Introduction of the NBIC.

Project Manager: Gary Scribner

Proposed Change:

All text in Section 8 will be deleted and replaced with the following:

[The process for submitting Interpretations, Code Revisions, and Code Additions has been moved to the Introduction of this book.](#)