

Date Distributed:



THE
NATIONAL
BOARD
OF BOILER AND
PRESSURE VESSEL
INSPECTORS

SUBGROUP ON PRESSURE VESSEL & PIPING

Minutes

*Meeting of January 14, 2014
San Antonio, TX*

“These minutes are subject to approval and are for 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 – 1:00 P.M.

Chairman, Mr. Don Patten called the meeting to order at 1:00 p.m.

2. Announcements

- All members and visitors introduced themselves and an attendance sheet was passed around for attendees to review and sign.
- Wednesday evening tour of the Alamo at 5:30 p.m. with a reception to follow in Alamo Hall. All those attending were asked to indicate so, on the applicable signup sheet.
- Thursday morning continental breakfast at 7 a.m. and lunch at 11:30 a.m. in the Stetson Room. All those attending were asked to indicate so, on the applicable signup sheet.

3. Adoption of the Agenda

- Add the following as New Business:
 - The idea of combining Subgroups into one
 - Elect new TG Project Managers on items to replace Gary Scribner

There was a motion to adopt the Agenda as published with the New Business Items. The motion was unanimously approved.

4. Approval of Minutes of July 16, 2013

There was a motion to approve the Minutes of July 16, 2013 as published. The motion was unanimously approved.

5. Review of the Roster (Attachment 1, pp. 5-10)

- Mr. Ray Snyder has retired from his position at ARISE, therefore resigning his position on all committee work. A majority vote will be taken in the SC meeting for a new Vice Chairman for SG on Pressure Vessel & Piping.
- **Addition:**
 - Mr. Harold Tyndall retired with this being his last meeting. Mr. Todd Creacy was in attendance and was named as the replacement for Mr. Tyndall on SG Boilers and Pressure Vessel & Piping. His resume has been submitted and a majority vote will be taken in the SC meeting.
 - Add H. Michael Richards to the Attendance Sheet
 - Update Paul Bourgeois address information on the Attendance Sheet

There was a motion to approve the roster as published with the addition. The motion was unanimously approved.

6. Action Items (Attachment 2, pp. 11-13)

NB10-0201 - Part 1 S3, SG Pressure Vessels and Piping - Expand the section on installation of thermal fluid heaters. This action item is a result of splitting NB09-0601 into two parts. A task group of D. Patten (Project Manager), G. Halley, M. Wadkinson and P. Bourgeois were assigned. **(No Attachment)**

January 2014

Ms. Melissa Wadkinson presented a progress report. As a result of the July 2013 meetings, this item was sent out as a letter ballot for comment only. Several concerns and or comments have been received with regard to word choices and whether this would apply to vaporizers. Melissa and Don will be sending replies back to the commenters as a courtesy addressing such concerns and comments. The TG will then take the concerns and comments into consideration to complete a revised proposal to be presented to the SG and SC in hopes to then submit as a letter ballot to MC by the July 2014 meeting.

NB12-0302 - Part 1, SG V&P Define installation requirements for (PVHO) hyperbaric chambers) this action item is a result of splitting NB09-0601 into two parts. A task group of ~~G. Scribner~~ B. Moore (Project Manager), M. Richards and T. Creacy were assigned. **(No attachment)**

January 2014

- Remove G. Scribner from the TG.
- Add T. Creacy to the TG.
- Name B. Moore as Project Manager

Mr. Brian Moore reported no new progress at this time due to the change in TG members.

NB13-0102 - Part 1, S3.6 SG PVP This action item is a result of public review comment PR13-0602. Address through wall CO2 piping. A TG of ~~G. Scribner~~ P. Bourgeois (Project Manager), E. Wiggins and M. Washington were assigned. **(Attachment 2, pp. 11-12)**

January 2014

- Remove G. Scribner from the TG.
- Add E. Wiggins and M. Washington to the TG.
- Name P. Bourgeois as Project Manager

Mr. Paul Bourgeois reported that this is a result of PR13-0602 regarding splicing of CO₂ plastic lines. In the original response it was said that the lines could not be spliced, however it was agreed later that the lines could be spliced, as long as they are visible and not behind a wall. The wording has been accepted with a few changes and additions. There was a motion to move the proposed wording change forward to the SC and then to the MC for approval. The motion was unanimously approved.

- New Action Item - **NB14-1401 - Part 1 – Supplement 3.5 to address CO₂ low level alarm.** **(Attachment 2, page 13)**

This resulted from this Item – NB13-0201. A TG of P. Bourgeois (Project Manager), E. Wiggins, M. Washington and D. Patten were assigned.

7. New Business

- **Combining Subgroups**

The SG discussed the pros and cons and expressed their “ in favor of” the idea of combining SG Boilers and SG Pressure Vessel & Piping into one SG, to be called SG Installation.

- **Electing new TG Project Managers on items to replace Mr. Scribner**

As the SG went through each action item on the agenda, additions, deletions, and changes were made accordingly to assigned Task Groups.

8. Future Meetings

July 15-18, 2014 Columbus, Ohio

January 19-22, 2015 Orlando, FL

9. Adjournment

The meeting adjourned at 3:18 p.m.

Respectfully Submitted,

Jeanne Bock
Secretary

Attendance List PVP Subgroup**Meeting Date: January 14, 2014**

<p>Melissa Wadkinson Fulton Companies 912 Centerville Road PO Box 257 Polaski, NY 13142</p> <p>P: 315-298-7112 Fax: Email: Melissa.wadkinson@fulton.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>MW</i> Initial</p>	<p>Geoffrey Halley ABMA 1315 Ridge Road Wildwood, MO 63021</p> <p>Ph: 636-394-3483 Fax: 636-527-2839 Email: ghalleyjsj@aol.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>GH</i> Initial</p>
<p>Paul Bourgeois Traveler's 6812 5th Street <i>12318 Hiddelon Falls Dr</i> Northport, AL 35470 <i>5</i></p> <p>Ph: 205-339-6314 Fax: 888-803-1522 Email: pcbouрге@travelers.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>PB</i> Initial</p>	<p>Donald Patten R.F. MacDonald Co. 25920 Eden Landing Road Hayward, CA 94545 P: 510-570-7422 F: 510-784-1004 Email: don.patten@rfmacdonald.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>D.P.</i> Initial</p>
<p>Brian Moore <i>Visitor</i> Hartford Steam Boiler One State Street P.O. Box 5024 Hartford, CT 06102</p> <p>Ph: 860-722-5657 Fax: 860-722-5530 Email: brian_moore@hsb.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>BWM</i> Initial</p>	<p>Jeanne Bock National Board 1055 Crupper Ave. Columbus, OH 43229 P: 614-888-8320 F: 614-847-1828 Email: jbock@nationalboard.org</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>JB</i> Initial</p>
<p>Harold Tyndall Zurich Services Corporation Risk Engineering 770 Corbett Street Winterville, NC 28590 Ph: 252-215-1144 Fax: E-mail: Harold.tyndall@zurichna.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>HGT</i> Initial</p>	<p>Stanley Konopacki Midwest Generation 235 Remington Blvd. Suite A Bolingbrook, IL 60440</p> <p>Ph: 630-771-7596 Fax: 847-599-2256 Email: SKonopacki@MWGen.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>SKK</i> Initial</p>

Attendance List PVP Subgroup

Meeting Date: January 14, 2014

needs added as a member

<p>Paul Schuelke Weil-McLain 500 Blaine Street Michigan City, IN 46360</p> <p>Ph: 219-879-6561 Fax: 219-877-0535 Email: pschuelke@weil-mclain.com</p>	<p>Attended:</p> <p>Yes <input type="checkbox"/></p> <p>No <input type="checkbox"/></p> <hr/> <p>Initial</p>	<p><i>MICHAEL RICHARDS</i> <i>SOUTHERN COMPANY</i> <i>AZ INVESTMENTS CENTER PARKWAY</i> <i>BIRMINGHAM, AL 35202</i> <i>205/992-2111</i> <i>MICRICHARD@SOUTHERNCO.COM</i></p>
<p><u>Name:</u> Todd Creacy <u>Company:</u> Zurich <u>Address:</u> 171 Crestwood Lane <u>City/State/Zip:</u> Springtown, TX <u>Ph:</u> 817-403-4601 <u>Ext.</u> <u>Fax:</u> <u>E-mail:</u> todd.creacy@zurichna.com</p>	<p><u>Name:</u> Milton Washington <u>Company:</u> State of New Jersey Dept. of Labor & Workforce Development Bureau of Boiler & Pressure Vessel Compliance <u>Address:</u> 1 John Fitch Plaza, 3rd floor <u>City/State/Zip:</u> P.O. Box 392 Trenton, NJ 08625-0392 <u>Ph:</u> (609) 292-2345 <u>Ext.</u> <u>Fax:</u> (609) 984-1577 <u>E-mail:</u> Milton.Washington@dol.state.nj.us</p>	
<p><u>Name:</u> Kenneth Watson <u>Company:</u> State of Mississippi <u>Address:</u> 805 S. Wheatley St. Suite 570 <u>City/State/Zip:</u> Ridgeland MS - 39157 <u>Ph:</u> 601-991-6040 <u>Ext.</u> <u>Fax:</u> 601-956-4098 <u>E-mail:</u> Kenneth.watson@msdh.state.ms.us</p>	<p><u>Name:</u> EDWARD WIGGINS (VISITOR) <u>Company:</u> LIBERTY MUTUAL <u>Address:</u> 519 WOODLAND AVE W <u>City/State/Zip:</u> WEDOWEE AL 36278 <u>Ph:</u> 256-497-7092 <u>Ext.</u> <u>Fax:</u> <u>E-mail:</u> EDWARD.WIGGINS@LIBERTYMUTUAL.COM</p>	

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TODD CREACY

171 Crestwood Lane
Springtown, TX 76082
(817) 403-4601
(817) 677-5482

todd.creacy@zurichna.com

EMPLOYMENT HISTORY:

2004-Present

Zurich Services Corporation

Dallas, TX

Boiler & Machinery – Regional Manager (2012 – Present)

Performed the following duties while working as a home based consultant in Springtown, TX:

- Responsible for operations, sales, and account management within the South Central (7 states) region of the Risk Engineering - Machinery Breakdown Division
- Manage a team of highly skilled professionals that provide a full range of risk management services to organizations that self-insure property/casualty exposures or that purchase insurance services independently. Services may include assessment of property/casualty risk exposures; identifying risk improvement strategies by conducting surveys and analyses; preparing reports which form the basis of underwriting, claim, and other insurance decisions to identify and manage risk exposures. Other services include jurisdictional inspections, risk assessment surveys, loss investigations, marketing, and training
- Manage relationship with key customer/area of responsibility
- Develop or enable the development of new and expanding business opportunities
- Design, recommend and implement changes to processes, systems
- Develop and implement annual budget for area of responsibility
- Set and execute operational objectives and plans aligned to the overall strategy
- Ensure that appropriate documentation, implementation and communication of established policy, procedures and operating standards is completed for area of responsibility.
- Markets Zurich and its capabilities to current and potential customers.
- Assigns appropriate personnel to assist underwriters with proposals and budgeting for prospects and renewing accounts.
- Complete the performance management cycle with staff, including providing coaching and feedback for improved performance.
- Responsible for contributing to the overall growth of the company with respect to fee income, new premium, and premium renewals.

Boiler & Machinery Risk Consultant & PE (2004-2012)

Performed the following duties while working as a home based consultant in Springtown, TX:

- Provided consultative services to various customers with a wide range of operations. This included a comprehensive survey of the overall operation, production equipment, essential services, maintenance procedures (predictive and preventive), contingency planning, equipment redundancy, critical spares, and other exposures that could affect business interruption and/or equipment reliability.

- Rapidly advanced from 4T – Risk Consultant position to the 6T - Portfolio Engineer position. The PE has the responsibility to evaluate all B&M and All Risk Policy submissions for our Dallas UW partners and to provide a prospect account analysis with recommended engineering services and cost estimate for each. Currently oversee applicable services on approximately 125 accounts and \$35M combined premium.
- Restored and improved confidence with our Underwriting partners by providing routine collaboration, consultation, and beneficial prospect proposals, which helped establish or forge the relationship between our internal business partners and risk engineering.
- Conducted renewal account analysis to provide underwriting with a summary of annual services, recommendations, risk exposures and recommended renewal strategy for current policies.
- Reduced unnecessary expenses to underwriting and increased profitability by providing accurate fee quotes, and ensuring that all servicing stopped once the account was non-renewed.
- Teamed up with our underwriting partners on numerous occasions to market our risk engineering products and services to various clients and/or producers/brokers.
- Conducted claim investigations.
- Collaborate with customers and business partners to develop advanced service plans
- Acted as mentor and trainer with respect to Account Coordination, Risk Assessments, Refrigeration Surveys, Claim Investigations, etc.
- Acted as mentor for individuals within our associates program
- Responsible for selecting Account Engineers based on account complexity and coordination requirements.
- Acted as liaison between upper management and the Machinery Breakdown Portfolio Engineer team
- Developed and presented various training sessions such as Account Coordination, Claim Investigations, Customer Service Plans, etc.
- Participated in various projects and/or procedure developments such as NB369 certification, Renewal and Prospect Account Analysis Procedures, Operation Transformation, Forging – UW Guidelines, B&M Manual Revision Reviews, RULE/STOP Procedures, Customer Service Plan Template, etc.

2000-2004

Hartford Steam Boiler Inspection & Insurance Company - Atlanta, GA

Boiler & Machinery Inspector (2000-2004)

Performed the following duties while working as a home based inspector in Winterville, NC:

- Responsible for conducting jurisdictional inspections for boilers, pressure vessels, and other machinery in accordance with NC State Law, NBIC, and sound engineering judgment. Territory of responsibility was 25 counties in the northeast section of North Carolina which included the inspection of approximately 2000 jurisdictional objects per year.
- Provide and document ongoing loss prevention consultation for a wide variety of occupancies to help identify underwriting exposures beyond those anticipated, and to provide recommendations for correcting conditions that create a high probability of failure.
- Visit various accounts to follow-up on previously submitted recommendations, and evaluate changes in exposure to help minimize equipment breakdowns, and unscheduled outages.
- Perform Property/Casualty loss control inspections for client companies to help meet their underwriting needs. The survey and reports include but not limited to fire protection features, security, constructions, hazards, and commercial auto procedures.
- Conduct claim investigations to evaluate, gather information, and develop reports documenting all events to assist claim manager in assessing liability, value, and recommendations to help prevent a re-occurrence in the future.

- Intricately involved with the development, implementation, and certification for the NB-369 requirement. After certification also acted as the Southeast Regional Representative

Major Accomplishments:

Obtained the “National Board Inspection Code” Commission.
Obtained the Property/Casualty Inspector Certification.
Obtained a North Carolina Dept. of Labor Commission.
Consistently maintained designated territory above 95% current, and always met or exceeded set goals.
Self-Study Course in “Internal Combustion Engines.”
Self-Study Course in “Claim Investigations.”
Self-Study Course in “Risk Based Evaluations.”

1995-2000

THE ROBERTS COMPANY

Winterville, NC.

A leading industrial fabrication and construction company specializing in pressure vessels, heat exchangers, piping components, boilers, coils, towers, scrubbers, conveyers and many other industrial products. The company has approximately 220 employees and maintains ASME code stamps “U”, “S”, and “R”

QC/QA Technician/Assistant QC Manager/Interim QC Manager (1997- 2000)

Performed the following duties while working in this position:

- Inspect material for all jobs to insure proper grade, size, marking and that the mill test reports meet chemical and physical requirements of ASME Section II.
- Research, develop and maintain all Weld Procedure Specifications and Procedure Qualification Records in accordance with ASME Sec. IX. Approximately 150 procedures in the program. Also tested and certified welders for new employment and develop WPQ’s for the shop and field.
- Perform calibration test and prepare reports for all test gauges, calipers, and micrometers.
- Fill in for Q.C. Manager in his absence by developing travelers, data reports, scheduling and working with A.I. and attending fabrication meetings.
- Use blueprints to inspect jobs for proper fit-ups, weld joint design, filler metal selection, and testing requirements insuring that they meet code requirements, customer specifications, and shop standards.
- Inspect welds or base metal for discontinuities using VT, PT, RT, MT and UT methods.
- Assist in preparation and intricately involved with for (2) National Board code audits to receive stamp renewals.
- Served as “shop superintendent” on weekend rotations supervising all aspects of fabrication while overseeing between 10 – 100 employees at any given time.

Material Controller (1995-1997)

Revamped and implemented a much needed procedure change in the material trace ability program to meet ASME code and company requirements. Insured that procedures were followed in order to maintain trace ability throughout all phases of fabrication.

Major Accomplishments:

Achieved AWS (American Welding Society) Certified Welding Inspector status.
NDE Certs. In PT (Level II), MT (Level II), UT (Level II), RT (Level I).
Increased operational efficiency by drastically reducing non-conformances.
Sacrificed significant overtime for the continued success of the company. Averaged approximately 800 hrs overtime (2800 hrs. total) each of my 6 years at the facility, which is essentially 2.5 extra years of work within a 6 year period based on a 2080 hr work year.

1991-1995

UNITED STATES MARINE CORP

Sergeant

Trained, supervised, and led anywhere from 5-40 marines in various duties from the operation and troubleshooting of many different radio systems to deploying and conducting successful field operations. Conducted formal evaluations and leadership training of subordinates. Performed various other duties that go along with being Sgt. In the USMC.

Major Accomplishments:

Finished top of class at Field Radio Operators school out of approximately 50 individuals.
Meritoriously promoted to E-4 (Corporal).
Advancement to E-5 (Sergeant) in less than 3 years.
Received Secret Clearance for handling cryptographic material.
Navy Achievement Medal
Honorable Discharge

EDUCATION:

Graduate of Broken Bow High School (Top 10% of class) Broken Bow, OK
United States Marine Corp 1991-1995
Partial college curriculum for "Industrial Systems Technology"
Achieved AWS (American Welding Society) Certified Welding Inspector status.
NDE Certs. In PT (Level II), MT (Level II), UT (Level II), RT (Level I).
Obtained NB Com mission
Obtained Jurisdictional Commissions in NC, GA, MS, AR, LA, TX, OK, CO

References available upon request.

NB13-0102

S3.6 Valves, Piping, Tubing, and Fittings

b) Safety Relief/Vent Lines – Safety relief/vent lines shall be as short and straight as possible with a continuous routing to an unenclosed area outside the building and installed in accordance with the manufacturer’s instructions. The vent line(s) shall be a continuous run from the vessel PRD ~~vent piping safety relief valve~~ to the outside vent line discharge fitting, ~~without any splices.~~ Mechanical joints in metallic piping and tubing shall be visible and inspectable. Any splices in plastic or polymeric tubing shall be done within three feet of the vessel and must be visible and inspectable. These lines shall be free of physical defects such as cracking or kinking and all connections shall be securely fastened to the LCDSV and the fill box. All safety relief/vent lines shall be protected by metallic protection to prevent penetration by nail, projectile, or other foreign object when routed through a wall, floor, or ceiling. The minimum size and length of the lines shall be in accordance with NBIC Part 1, Tables S3.6a and S3.6b. Fittings or other connections may result in a localized reduction in diameter have been factored into the lengths given by the NBIC Part 1, Tables S3.6a and S3.6b. Note: Due to the design of the LCDSV the discharge line may be smaller in diameter than the relief valve outlet size but shall not be smaller than that shown in NBIC Part 1, Tables S3.6 a) and b).

Action Item Request Form

8.3 CODE REVISIONS OR ADDITIONS

Request for Code revisions or additions shall provide the following:

NBIC Part 1 – Supplement 3

This is resulted from the SubGroup PVP Meeting – NB13-0201.

Task Group:

- Project Manager – Paul Bourgeois
- Ed Wiggins
- Milton Washington
- Don Patten

Existing Text:

S3.5 SIGNAGE
 Additional instructional signage shall be posted outside of the area where the container is located and such signage shall contain at minimum the following information:
 a) Carbon Dioxide Monitors for general area monitoring (not employee personal exposure monitoring) are provided in this area. These monitors are set to alarm at 15,000 ppm (1.5% concentration) for the low level alarm and at 30,000 ppm (3% concentration) for high level alarm.
 b) Low Level Alarm (15,000 ppm) – Provide appropriate cross ventilation to the area. Personnel may enter area for short periods of time (not to exceed 15 minutes at a time) in order to identify and repair potential leaks.

b) This is to be consistent with the Fire Codes.

S3.5 SIGNAGE
 Additional instructional signage shall be posted outside of the area where the container is located and such signage shall contain at minimum the following information:
 a) Carbon Dioxide Monitors for general area monitoring (not employee personal exposure monitoring) are provided in this area. These monitors are set to alarm at ~~15,000~~5,000 ppm (1.5% concentration) for the low level alarm and at 30,000 ppm (3% concentration) for high level alarm.
 b) Low Level Alarm (~~15,000~~5,000 ppm) – Provide appropriate cross ventilation to the area. Personnel may enter area for short periods of time (not to exceed 15 minutes at a time) in order to identify and repair potential leaks.

c) Background Information: To be consistent with Fire Codes.