



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

**NATIONAL BOARD
INSPECTION CODE
SUBGROUP ON INSPECTION- SPECIFIC**

MINUTES

*Meeting of July 17, 2012
Columbus, Ohio*

*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
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**MINUTES OF SUBGROUP ON INSPECTION-SPECIFIC
JULY 17, 2012 COLUMBUS, OHIO**

1. Call to Order

The Acting Chairman, Don Cook called the meeting to order at 10:15 AM on July 17, 2012.

2. Announcement

- a) The National Board would host an outing to the Clippers Baseball game on July 18, 2012. Bus transportation from the Crowne Plaza was provided from 5:30PM –? PM.
- b) The National Board would host a continental breakfast on July 19, 2012 from 7 – 8:00 AM
- c) The National Board would provide a daily luncheon from 12 - 1:00 PM

3. Adoption of the Agenda

There was a motion to adopt the Agenda. The motion was unanimously adopted.

4. Approval of the Minutes of January 2012

There was a motion to approve the minutes of the January 2012 meeting. The motion was unanimously approved.

5. Review of the Roster

The attendees, members, alternates and guests are identified on **Attachment 1**. With the attached attendance listing, a quorum was established. Mr. Clark, Mr. McRae, Mr. Schwartzwalder, Mr. Staniszewski and Mr. Wacker were excused.

6. Interpretations

There were no interpretations assigned to the subgroup.

7. Action Items

NB07-0910 Part 2 S-6 SG Inspection Specific -Review DOT supplement. A Task Group is of S. Staniszewski (Lead), G. McRae, and J. Riley has been assigned.

A progress report was given by Mr. Cook.

NB08-0321 Part 2 1.5 SG Inspection Specific - Add in paragraph 1.5 Inspection Activities wording to address change of service for a pressure vessel. These requirements should caution inspectors, owners, and jurisdictional authorities of the inherent dangers involved when changing service. A new supplement or new Subject under 2.3.6, descriptions and Concerns of Specific Types of Pressure Vessels, should be added to address the specific requirements for inspection of pressure vessels that have been converted from one service to another. The Task Group is comprised of G. McRae (Lead), B. Reetz, R. Wacker, D. Cook, and J. Getter.

A progress report was given by Mr. Wielgoszinski. A proposed Supplement 9 for Part 2 "Change of Service" was presented for comment and discussion.

NB08-0701 Part 2 S7 SG on Insp. Spec.- We need to add a requirement for change of service from above ground to below ground installations of LPG tanks. We also need requirements for how to inspect these tanks. The Task Group is comprised of G. McRae(Lead), G. Galanes, J. Getter, M. Huffman, V. Mullins, J. Reed, D. Cook, J. Richardson, and V. Newton.

Mr. Mullins gave a progress report. A paper was presented with proposed changes. After discussion and many recommendations from the Sub-Group, the Task Group will continue to work on the requirements.

NB08-0703 Part 2 S7 SG on Insp. Spec. Investigate the feasibility of marking or stamping a re-rated name plate on a LPG tank that is being altered from an above ground tank to a below ground tank. The Task Group is comprised of G. McRae(Lead), G. Galanes, J. Getter, M. Huffman, V. Mullins, J. Reed, D. Cook, J. Richardson, and V. Newton.

The progress of this Action Item was covered in the report on NB08-0701 by Mr. Mullins.

7 Action Items (Continued)

NB10-1301 Part 2 SG on Insp. Spec. - Address anhydrous ammonia nurse tank inspection. The Task Group is comprised of G. McRae, S. Staniszewski, J. Getter and R. Reetz. Proposed text was presented by Mr. Reetz (Chair). There was a motion to accept the proposed text. The motion was unanimously approved. **(Attachment 2)**

NB11-2101 Part 2 SG on Insp. Spec. - Address Refurbished Tanks. A task group of V. Mullins(chair), J. Getter, J. Richardson and D. Canonico was assigned. A progress report was presented by Mr. Mullins.

NB12-1801 Part 2 5.5.2 – 5.5.3 SG on Insp. Spec. – Address Replacement of Stamped Data or Nameplate. A task group of Mark Mooney(chair), Robert Dobbins, Tim Barker, Dominic Canonico and Daren Daily was assigned.

8. New Business

There was no new business.

9. Future Meetings

January 2013 Mobile, AL
July 2013 Columbus, Ohio

10. Adjournment

The meeting was adjourned at 3:00 pm on July 17, 2012.
Respectfully Submitted,

Bill Smith

Secretary, Subgroup on Inspections, Specific

Attachment 1- Attendance Roster
Attachment 2- NB10-1301

Attendance List Inspection - Specific Subgroup

Meeting Date: July 17, 2012

<p>Stanley Staniszewski, Jr. US Dept. of Transportation, Pipelines & Administration Hazardous Materials Safety 1200 New Jersey Ave. S.E. Washington, DC 20590 Ph: 202-366-4545 x 0453 Fax: 202-366-3753 E-mail: stanley.staniszewski@dot.gov</p>	<p>Attended: Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>_____ Initial</p>	<p>Marshall Clark Structural Integrity Associates Inc. 10735 E. Eustel Suite 100 Centennial, CO 80112 Phone: 303-542-1405 Fax: 720-519-3886 Email: mclark@structint.com</p>	<p>Attended: Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>_____ Initial</p>
<p>Don Cook Principal Safety Engineer Dept. of Industrial Relations Div. of Industrial Safety & Health 1515 Clay Street, Suite 1302 Oakland, CA 94612-1302 Ph: 510-622-3050 Fax: 510-622-3063 E-mail: dcook@hq.dir.ca.gov</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>DC</i> Initial</p>	<p>Randy Wacker Dupont 4417 Lancaster Pike CRO 722/1050 Wilmington, DE 19880 Ph: 302-999-2607 Fax: 302-999-6273 E-mail: randy.a.wacker@usa.dupont.com</p>	<p>Attended: Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>_____ Initial</p>
<p>Jim Getter Worthington Cylinders 200 Old Wilson Bridge Road Columbus, OH 43085 P: 614-840-3087 F: 614-438-3083 E-mail: jmgetter@worthingtonindustries.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>JG</i> Initial</p>	<p>Tim Barker FM Global 601 108th NE Suite 1400 Bellevue, WA 98004 Ph: 360-801-3790 Fax: 360-874-8455 895-8406 E-mail: Timothy.Barker@FMGlobal.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>TB</i> Initial</p>
<p>Greg McRae Director of Engineering Trinity Industries, Inc. 2525 Stemmons Freeway Dallas, TX 75207 Ph: 214-589-8559 Fax: 214-589-8553 E-mail: greg.mcrae@trin.net</p>	<p>Attended: Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>_____ Initial</p>	<p>Mike Schwartzwalder Stress Engineer Services, Inc. 5380 Courseview Drive Mason, OH 45045 Ph: 513-336-6701 Fax 614-716-1744 E-mail: meschwartzwr@stress.com</p>	<p>Attended: Yes <input type="checkbox"/> No <input type="checkbox"/></p> <p>_____ Initial</p>
<p>Jim Riley Conoco Phillips Phillips 66 1380 San Pablo Ave. Rodeo, CA 94572-1354 P: 510-245-5895 F: E-mail: jim.riley@conocophillips.com</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>JR</i> Initial</p>	<p>Bill Smith National Board 1055 Crupper Ave. Columbus, OH 43229 P: 614-888-8320 F: 614-847-1828 E: bsmith@nationalboard.org</p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/></p> <p><i>WKS</i> Initial</p>

Attendance List Inspection - Specific Subgroup

Meeting Date: July 17, 2012

<p>Robert Dobbins Zurich N.A. 565 Reinhardt Road Lincolnton, NC 20892 P: 704-748-1641x 27329 F: 704-748-6778 E-mail: <u>Robert.dobbins@zurichna.com</u></p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <u>RWD</u> Initial</p>	<p>Virgil Mullins Quality Steel 2914 Hwy 61 Cleveland, MS 38732 Ph: 662-843-4046 Fax: Email: <u>Mull@propanetank.com</u></p>	<p>Attended: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> <u>RLW</u> Initial</p>
<p>Mark Mooney Regional Manager East Liberty Mutual Insurance 20 Riverside Road Weston, MA 02493 P: 781-697-7218 F: 781-642-6512 E-mail: <u>Mark.Mooney@LibertyMutual.com</u></p>	<p><u>Name: DOMENIC CANONICO</u> <u>Company: CANONICO & ASSOC.</u> <u>Address: 1423 EAST BROW RD</u> <u>City/State/Zip: SIGNAL MOUNTAIN, TN 31377</u> <u>Ph: 423 886 1008</u> Ext. <u>Fax:</u> <u>E-mail: canonico@apbfi.com</u></p>		
<p><u>Name: John Richardson</u> <u>Company: GE Energy</u> <u>Address: 980 Richardson Rd</u> <u>City/State/Zip: Colfax, LA 71417</u> <u>Ph: 318-627-5504</u> Ext. <u>Cell: 318-627-1176</u> <u>Fax:</u> <u>E-mail: J Richardson @ ge.com</u></p>	<p><u>Name: ADAM RENALDO</u> <u>Company: PRAXAIR, INC</u> <u>Address: 175 EAST PARK DR,</u> <u>City/State/Zip: TONAWANDA, NY 14150</u> <u>Ph: 716 879 292 8</u> Ext. <u>Fax:</u> <u>E-mail:</u></p>		

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David Farris

F.M. G... ..

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NB10-1301 Part 2, SG Inspection Specific***Task Group on Anhydrous Ammonia Nurse Tank Inspection***

Task Group Members: Greg McRae (Trinity), Stan Staniszewski (DOT), Jim Getter (Worthington Cylinders), Bob Reetz (State of North Dakota)

June 11, 2012 Draft

This would be a new section of Part 2. It should be numbered 2.3.6.5 and come directly after 2.3.6.4., the current section on "Liquid Ammonia Vessels". (Present 2.3.6.5 would be renumbered as 2.3.6.6)

2.3.6.5 ANHYDROUS AMMONIA NURSE TANKS

- a) Nurse tanks (considered as implements of husbandry) are anhydrous ammonia pressure vessels on farm wagons, not exceeding a capacity of 3,000 water gallons (11,355 liters), used for agricultural application of liquid anhydrous ammonia to farm fields as fertilizer. Nurse tanks come under United States Department of Transportation (DOT) requirements and may also be subject to various local jurisdictional requirements. Nurse tanks should be inspected closely at least once per seasonal use. Inspections of nurse tanks include the following items. These items are not meant to be all inclusive.
- b) Inspection shall consist of the following:
- 1) Pressure Vessel - Verify that the pressure vessel is constructed for anhydrous ammonia service and that it is ASME stamped and National Board registered, as required by the jurisdiction. Check that the data plate is legible and not painted over or sand blasted. If the data plate is missing or illegible, welding is prohibited, and the tank shall be tested and operated under the DOT Hazardous Material Regulation (HMR) as required in Title 49 Code of Federal Regulations (CFR) 173.315m or the tank shall be removed from service. Post-construction welding, if any, to the pressure vessel, nozzles or support legs shall be in accordance with NBIC procedures and stamping as required in Part 3. (Also see ANSI K61.1 for the definition of repair.) Cracks, dents, bulges, cuts, gouges and corrosion shall not exceed the acceptance criteria of Section 2.3.6.4 (f).
 - 2) Valves and Fittings - Verify that the pressure relief device is ASME constructed and National Board capacity certified, has correct capacity and set pressure, is date current, and is not leaking, corroded or painted. Check that a min cap is installed. Ensure that the hydrostatic relief valve is set for 350-400 psi (2415-2760 kPa), is in place in or on the liquid withdrawal valve and that it is in good condition and date current. A liquid level float gage shall be installed and be operable. In addition, a fixed liquid level gage (85% gage) shall be operable and unobstructed by tape or paint. A pressure gage with a clear lens and with a 0-400 psi (0-2760 kPa) dial range shall be installed and be observed to be operable. A liquid withdrawal valve shall be in place and observed to be in good condition. Liquid and vapor fill valves shall be in operable condition and their end fittings protected with valve covers. In addition, check that no galvanized, brass, or cast iron fittings are installed.

- 3) Nurse Tank Painting, Decals, and Marking – The paint shall be white or aluminum, the painted surface not damaged or faded, and the tank surface not rusted. A nurse tank unique owner identification number shall be observed to be in place. A DOT approved slow-moving vehicle (SMV) emblem or sign shall be installed at the rear. Legible transfer and safety decals shall be in place near the fill valves. "INHALATION HAZARD" markings or decals shall be observed to be in place on each side. On each side and on each end, observe that "DOT 1005" markings or decals and "ANHYDROUS AMMONIA" markings or decals are in place. (Note that these markings or decals are not required on the end of a tank with valves and fittings on that end.) Liquid and vapor valves shall be observed to be color coded or labeled for liquid or vapor. Markings for tests and inspections required due to a missing or illegible data plates shall be in place as required by DOT Hazardous Material Regulations.
- 4) Safety Specific and Miscellaneous Equipment - Roll-over protection for valves and appurtenances, to include the pressure relief device, shall be observed to be in place. This required protection must include any bottom liquid withdrawal valves. Observe that the transfer hose, if so equipped, is date current and in good condition (not cut to the cords or showing stretch damage, bulging, or kinking). Check that a fitting is in place to secure the transfer hose (if so equipped) during transport and storage. Protective gloves and Z87 rated goggles shall be observed to be in a safety kit on the nurse tank. A safety water container [5 gallon (19 liter) minimum capacity] with adequate withdrawal hose shall be on the nurse tank and be in usable condition.
- 5) Trailer and Running Gear – Ensure that the hitch and undercarriage are in good repair. Observe that welds are not cracked or the rails bent. The trailer tires shall be in serviceable condition with no cuts to the cords. Two safety chains and hooks shall be in place with one hitch pin and lock pin available. The tank to trailer anchorage shall be satisfactory and any bolting tightened. Spring leaves shall not be cracked or broken on inspection and the ends secured.