



Date Mailed: April 30, 2013

## MINUTES

NBIC SUBGROUP on  
FIBER REINFORCED PLASTIC  
PRESSURE EQUIPMENT

THE  
NATIONAL  
BOARD  
OF BOILER AND  
PRESSURE VESSEL  
INSPECTORS

Wyndham Tampa Westshore  
Tampa, FL  
April 22, 2013

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### *Meeting of SubGroup on Fiber Reinforced Plastic Pressure Equipment*

*These minutes are subject to approval and are for Subgroup use only. They are not to be duplicated or quoted for other than Subgroup use.*

The National Board of Boiler & Pressure Vessel Inspectors  
1055 Crupper Avenue  
Columbus, Ohio 43229-1183  
Phone: (614) 888-8320  
FAX: (614) 847-1828

### Call to Order

The meeting was called to order at 1::00 PM by the Chair, Bernie Shelley.

### Announcements

None.

### Adoption of the Agenda

It was moved and seconded to approve the agenda as proposed. The motion carried.

### Approval of the Minutes

It was moved and seconded to approve the minutes of the Las Vegas meeting, October 22, 2012. The motion carried.

### Old Business

NB10-0601 (Inspection of High Pressure Composite Pressure Vessels)

- This item passed the NBIC Inspection Subcommittee with several comments, and was submitted to Main Committee for ballot. The comments were editorial typos, etc). The proposal will be revised (editorial) before the document is released for print.

NB11-1901 (Installation of High Pressure Vessels)

- This item did not pass the NBIC Inspection Subcommittee.
- This item remains a work in progress.
- A teleconference will be scheduled to review the status of this item, and to prepare for ballot.

### New Business

- J. Richter's membership renewal was approved, and is being balloted by the Main Committee.
- M. Gorman demonstrated the use of acoustic emission testing of self contained underwater breathing apparatus (SCUBA) to extend the life of the air tanks. The tests of the tanks was performed for the Navy, and greatly extends the life of the tanks. This is the same technology required in NB10-0601.

- NB10-0601 is to be reviewed to ensure the document applies to Section VIII, Division 3 vessels with a FRP overwrap of the shell. A new record number will be issued for possible revisions to NB10-0601. N. Newhouse is the project manager.

Next Meeting

The next meeting is scheduled for October 21, 2013 in Las Vegas, NV.

Adjournment The meeting was adjourned at 2:25 PM.

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Respectfully submitted,  
Francis Brown  
Secretary, NBIC-FRP Subgroup

Attendance

B. Shelley  
N. Newhouse  
M. Gorman  
D. Keeler  
D. Eisberg  
R. Crawford  
J. Richter  
F. Brown

Visitors

S. Wagner, Finite Composites Consulting  
D. McCauley, DuPont  
T. Chen, DuPont  
R. Cortez, Protec-Arisawa  
L. Riegler, Induro Composites  
R. Wacker, InerTech, Inc.  
P. Ziel, University South Carolina  
G. Patrick, Belding Tank Technologies

Copy:

R. Hough  
C. Withers