



Date Mailed: November 16, 2009

MINUTES

NBIC SUBGROUP on
FIBER REINFORCED PLASTIC PRESSURE
EQUIPMENT

THE
NATIONAL
BOARD
OF BOILER AND
PRESSURE VESSEL
INSPECTORS

Tampa Westshore Marriott
Tampa, FL
October 26, 2009

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
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Call to Order

The meeting was called to order at 1:35 PM by the Secretary, Francis Brown.

Election of Chairman Pro Tem

The Chairman, Bernie Shelley, was unable to attend the meeting, but participated by phone. Juan Bustillos was elected Chairman Pro Tem.

Announcements

None

Adoption of the Agenda

T. Fowler proposed discussion of the Acoustic Emission (AE) requirements in Code Case 2579. It was moved and seconded to adopt the agenda as amended. The motion carried.

Approval of the Minutes

It was moved and seconded to approve the minutes of the Las Vegas meeting, October 27, 2008. The motion carried.

Old Business

- The AE requirements in Code Case 2579 were discussed. It was noted by Dr. Fowler that the current AE requirements are structured to detect defects in secondary bonds in a vessel. The AE requirements in the Code Case are not sufficient to detect defects in the structural laminate. Dr. Fowler will send a letter to Dan Peters (Chair of Subgroup High Pressure Vessels) defining the inadequacies of the current AE methodology, and suggesting the AE requirements as adopted into Section VIII Div. 3 be revised to be similar to the AE requirements contained in Appendix 8 of Section X.
- The AE requirements in Section X were presented to the Subgroup, and were discussed.

- The proposed supplement to the NBIC on Inspection of Stationary High Pressure Composite Pressure Vessels was discussed.
- Periodic AE testing of high pressure composite vessels was discussed. Several changes were made to the proposed supplement to incorporate periodic AE testing of high pressure composite vessels. A procedure for periodic AE testing will be drafted and inserted into the proposed supplement.
- Schedule:
 - Dr. Mike Gorman to draft the AE procedure and submit to Dr. Tim Fowler for review by the first week in February.
 - Dr. Fowler to review and submit the final version to Bernie Shelley by mid March.
 - Mr. Shelley to insert the procedure into the proposed supplement by the first of April.
 - The Subgroup will be letter balloted the first of April

Next Meeting

The next meeting is tentatively scheduled for late April for the Tampa area of Florida.

Adjournment

The meeting was adjourned at 4:00 PM.

Respectfully submitted,
Francis Brown
Secretary, NBIC-FRP Subgroup

Attendance

B. Shelley via teleconference
J. Bustillos
D. Hodgkinson
D. Eisberg
N. Newhouse
M. Gorman
D. Keeler
T. Fowler
R. Crawford
F. Brown

Visitors

B. Hebb, Reinforced Plastic Systems Inc.
S. Zlatan, Bechtel Power
B. Holtzclaw, Holtec, Ltd. (AOL)

Copy: R. Hough