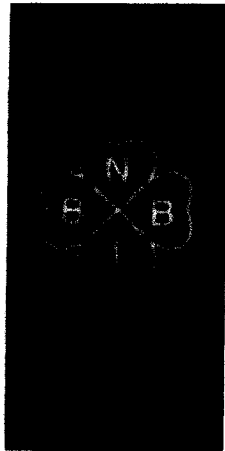


Date Distributed: June 11, 2010



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

**SUBGROUP
ON INSPECTION
GENERAL**

AGENDA

*Meeting of July 20, 2010
Columbus, OH*

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 – 8:00 a.m.**
2. **Announcements**
3. **Adoption of the Agenda**
4. **Approval of Minutes of January 2010**
5. **Review of the Roster (Attachment 1)**
6. **Action Items (Attachment 2)**

NB10-1101 Part 2 2.2.10.7 SG Inspection General Inspector's responsibility for boiler controls. (See Attachment 2, pgs. 1-2)

January 2010

A Task Group was assigned. Venus Newton, Chair, Robert Dobbins, Tim Barker, Jim Riley and Mark Mooney.

7. **New Business**
8. **Future Meetings**

January 2011, Austin, Texas
July 2011, Columbus, Ohio

9. **Adjournment**
Respectfully Submitted,

Bill Smith
Secretary
:rh

SG on Inspection General

Member	Title	ExpirDate	Interest Category
Bacon, Steven E.		8/31/2012	Users
Canonico, Dr. Domenic A.		8/31/2012	General Interest
Dobbins, Robert		2/1/2011	Auth Inpection Agencies
Getter, Jim	Chairman	8/31/2012	Manufacturer
Horbaczewski, Mark		2/1/2011	Users
McRae, Greg		2/1/2011	Manufacturer
Mooney, Mark		1/31/2013	Auth Inpection Agencies
Newton, Venus		1/31/2013	Auth Inpection Agencies
Parrish, Dave	Vice Chair	8/31/2012	Auth Inpection Agencies
Richardson, John		8/31/2012	Manufacturer
Smith, Bill	Secretary		
Total Members:		10	

NB10-1101
Part 2 2.2.10.7
SG Inspection General
Inspector's Responsibility for Boiler Control's

2.2.10.7 Controls and Other Safety Devices

Establishing proper operation and maintenance of controls and safety devices is essential to safe boiler operation. Owner/Users are responsible for establishing and implementing management programs which will ensure such action is taken. In addition, any repairs to controls and safety devices must only be made by qualified individuals or organizations. Documentation of compliance with these management systems and repairs is an essential element of demonstrating the effectiveness of such systems.

- a) Verify that the burner is labeled and listed by a recognized testing agency, that piping and wiring diagrams exist, that commissioning tests have been conducted and that a contractor/manufacture's installation report has been completed and is available for review.
- b) Verify that the Owner/User has established function tests, inspection requirements, maintenance and testing of all controls and safety devices in accordance with manufacturer's recommendations. Verify that these activities are conducted at assigned intervals in accordance with a written procedure, that non-conformances which impact continued safe operation of the boiler are corrected, and that the results are properly documented. These activities shall be conducted at a frequency recommended by the manufacturer or the frequency required by the jurisdiction. Where no frequencies are recommended or prescribed, the activity should be conducted at least annually.
 1. Where allowed, by the jurisdiction, Performance Evaluation may be used to increase or decrease the frequencies based on document review and approval by an appropriate engineer.
- c) Verify that adequate combustion air is supplied to the boiler room.
- d) Verify that a manually operated remote emergency stop button exists at each boiler room exit door.
- e) Verify that low water and flow controls and protective devices are provided, when required by the jurisdiction as follows:

1. All steam boilers have at least two low water fuel cutoffs or equivalent protection to prevent startup and to cut off the fuel prior to loss of water level in the sight glass. Where required by the code of construction or jurisdictional requirements, low water protection with manual reset shall be provided.
 2. All hot water heating or supply boilers have a low water cutoff device that is located to protect the boiler from a low water condition. Manual reset shall be provided.
 3. All electric boilers are protected from a low water condition either by construction or a low water cutoff.
 4. All forced flow circulation boilers should have a flow sensing device installed that will shut the burner down on a loss of flow.
- f) Verify that steam pressure and temperature controls and protective devices are provided as follows:
1. All steam boiler systems have one operating steam pressure control and one high steam pressure limit control
 2. All hot water boiler systems have one operating water temperature control and a high temperature limit control.
- g) For other controls and devices such as, but not limited to, burners, fuel train valves and safety controls, fuel pumps, fuel measuring, and forwarding equipment, the Owner/User is responsible for establishing a program for periodic testing of those devices by qualified individuals and that proper records are maintained.
- h) Any repair, alteration, or replacement of a control or safety device will meet the requirement of the original installation, be conducted by trained and qualified individuals with any additional certification as required by the jurisdiction, and will be documented.