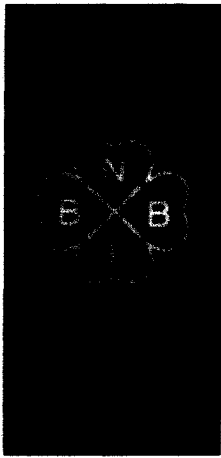


Date Distributed: December 15, 2009



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

**SUBGROUP ON
PRESSURE VESSELS AND PIPING**

AGENDA

*Meeting of January 19, 2010
Austin, Texas*

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.**
2. **Announcements**
3. **Adoption of the Agenda**
4. **Adoption of the Minutes of January 2009**
5. **Review of the Roster (Attachment 1)**
6. **Action Items (Attachment 2)**

NB07-1208 Part 1 Glossary (SG Boilers and PVP) A task group of B. Moore (Chair), C. Hopkins, P. Bourgeois and R. Snyder has been assigned to expand on the glossary for Part 1 Installation. (No Attachment)

July 2007

A progress report was given.

January 2008

A progress report was given.

July 2008

A progress report was given

January 2009

A progress report was given.

July 2009

A progress report was given.

January 2010

A report is expected.

NB09-0501 Part 1 SG on PVP Add the appropriate rules to Part 1 to ensure that Installation rules address the same requirements for pressure vessels and controls as will later be required for Inservice Inspection. A task group of Gary Scribner (Chair), Jim Yagen and Ray Snyder has been assigned. (No Attachment)

January 2009

A progress report was given.

July 2009

Mr. Yagen is expected to report.

January 2010

Mr. Scribner is expected to report.

NB09-0601 Part 1 2.2SG on Boilers This action item is a result of PR07-2102 which led to NB07-1212. Change the definition of power boilers to exclude thermal fluid heaters. A task group of G. Scribner, P. Bourgeois and R. Sulzer has been assigned. (See Attachment 2, pgs. 1-3)

January 2009

A progress report was given and a task group was assigned.

July 2009

A progress report was given.

January 2010

A report is expected.

NB10-0201 Part 1 S3 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 J. Yagen, G. Halley, P. Bourgeois and R. Sulzer has been assigned. (No Attachment)

January 2010

Mr. Richards is expected to report.

7. New Business

8. Future Meetings

July 2010, Columbus, Ohio
January 2011, Austin, Texas

9. Adjournment

Respectfully Submitted,

James McGimpsey
Secretary

SG on Pressure Vessels and Piping

Member	Title	ExpirDate	Interest Category
McGimpsey, Jim	Secretary		
Richards, H. Michael		8/27/2012	Users
Scribner, Gary		7/24/2011	Jurisdictional Authorities
Snyder, Raymond	Vice Chair	8/27/2012	Auth Inpection Agencies
Titer, H. Neal		8/27/2012	Users
Tyndall, Harold		1/22/2012	Auth Inpection Agencies
Yagen, James M.	Chair	8/27/2012	Users

Total Members:	7
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NBIC – NB09-0601

POWER BOILER

Part 1 – Section 2

Current Definition

Proposed Text

2.2 DEFINITIONS

2.2 DEFINITIONS

A power boiler is a closed vessel in which water or other liquid is heated, steam or vapor generated, steam or vapor is superheated, or any combination thereof, under pressure for use external to itself, by the direct application of energy from the combustion of fuels or from electricity or solar energy. ~~(The term boiler includes fired units for heating or vaporizing liquids other than water, but does not include fired process heaters and systems.)~~ The term boiler also shall include the apparatus used to generate heat and all controls and safety devices associated with such apparatus or the closed vessel.

A power boiler is a closed vessel in which water or other liquid is heated, steam or vapor generated, steam or vapor is superheated, or any combination thereof, under pressure for use external to itself, by the direct application of energy from the combustion of fuels or from electricity or solar energy. The term boiler also shall include the apparatus used to generate heat and all controls and safety devices associated with such apparatus or the closed vessel.

a) **Power Boiler**
A boiler in which steam or other vapor is generated at a pressure in excess of 15 psig (100 kPa) for use external to itself.

a) **Power Boiler**
A boiler in which steam or other vapor is generated at a pressure in excess of 15 psig (100 kPa) for use external to itself.

A07 b) **High-Temperature Water Boiler**
A boiler in which water is heated and operates at a pressure in excess of 160 psig (1.1 MPa) and/or temperature in excess of 250 ° F. (121° C). °

A07 b) **High-Temperature Water Boiler**
A boiler in which water is heated and operates at a pressure in excess of 160 psig (1.1 MPa) and/or temperature in excess of 250 ° F. (121° C). °

BOILER

A pressurized vessel in which water is heated, steam is generated, steam is superheated or any combination of these, under pressure or vacuum by the direct application of heat. The term boiler includes fired units for heating or vaporizing liquids other than water where these units are separate from processing systems and complete within themselves. The term boiler also shall include the apparatus used to generate heat and all controls and safety devices associated with such apparatus or the closed vessel.

a) **Power Boiler**

A boiler in which steam or other vapor is generated at a pressure in excess of 15 psig (100 kPa) for use external to itself.

A07 b) **High-Temperature Water Boiler**

A boiler in which water is heated and operates at a pressure in excess of 160 psig (1.1 MPa) and/or temperature in excess of 250 °F. (121° C). °

Note 1 The term boiler does not include fired process heaters and systems

Note 2 Some Jurisdictions may require ASME Section I or Section VIII construction. Code requirements for the particular Jurisdiction shall be reviewed for thermal fluid heaters.

2.2

DEFINITIONS

a) Power Boiler (Vapor)- A closed vessel in which vapor is generated, vapor superheated, or any combination thereof, for use external to itself, at a pressure in excess of 15psi (100 kPa).

b) Power Boiler (Liquid) – A closed vessel in which a liquid is heated for use external to itself at a pressure in excess of 160 psig (1.1 MPa) and/or temperature in excess of 250° F (121°C).

Rationale

- 1) To eliminate the confusion caused by dual definitions for power boilers under the general “DEFINITIONS”.
- 2) To eliminate useless misleading verbiage not pertaining to a true definition.
- 3) To clarify by code that a water boiler may be a power boiler by code.

NOTE, The purpose of a definition is to **define**, not educate or legislate. The jurisdictions will determine necessary inspection requirements. Also I believe it is time we begin to dissociate ourselves from traditional “steam” and “water” terminology, as well as specifying fuels. As far as the “apparatus” to generate heat, it is again up to each jurisdiction to determine inspection requirements by Statute/Regulation or adopted code.

Note, The NBIC is an inspection code based on ASME construction codes and incorporating device requirements for safety. We may not be overly concerned, (at the inspection phase), and within common sense limits, with the process medium. Our scope of inspection jurisdictionally is driven by construction code boundaries, and mostly defined by pressure/temperature parameters.

A. Platt 07/14/2009