B31.1 — Cases No. 26

A Case is the official method of handling a reply to an inquiry when study indicates that the Code wording needs clarification, or when the reply modifies the existing requirements of the Code, or grants permission to use new materials or alternative constructions.

ASME has agreed to publish Cases issued by the B31 Committee concerning B31.1 as part of the update service to B31.1. The text of proposed new and revised Cases and reaffirmations of current Cases appear in *Mechanical Engineering* for public review. A notice also appears in *Mechanical Engineering* when new and revised Cases are approved. New and revised Cases, as well as announcements of reaffirmed Cases and annulments, then appear in the next update. All Cases currently in effect at the time of publication of the 1989 Edition of the Code were included in the update that immediately followed, Interpretations No. 14 and Cases No. 9. As of the 1992 and later Editions, all Cases currently in effect at the time of publication of an Edition are included with it as an update.

Cases No. 25, which is the update that was included after the last page of the 1998 Edition, contains the following Cases.

145	147	153	159	162	164	168
146-1	151	154	161	163	165	

Cases 155-1, 156, 157, 158, and 160, which were included in the first update to the 1995 Edition (Cases No. 20), were allowed to expire. Case 166, which was included in the third update (Cases No. 22), was also allowed to expire.

The page numbers for the Cases supplements included with updates to the 1998 Edition start with C-1 and will continue consecutively through the last update to this Edition. The Cases affected by this supplement are as follows:

Page	*Location*	*Change*
C-9, C-10	Case 153	(1) Reaffirmed: November 1998 (2) New expiration date: November 30, 2001
C-13	Case 159	(1) Reaffirmed: August 1998 (2) New expiration date: August 31, 2001
C-17, C-18	Case 162	(1) Reaffirmed: September 1998 (2) New expiration date: September 30, 2001
C-27	Case 169	Added
C-29	Case 170	Added

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B31 CASE 169
Use of Seamless Red Brass Pipe (UNS C23000) With Drawn General Purpose (H58) Temper Conforming to ASTM B43

Approval Date: January 1998

This Case shall expire on January 31, 2001, unless previously annulled or reaffirmed

Inquiry: May seamless red brass pipe (UNS C23000) manufactured to ASTM B 43 with drawn general purpose (H58) temper be used for B31.1 construction threaded boiler external piping (BEP) connected to boilers constructed to the requirements of ASME Boiler Code, Section I, Parts PMB or PEB?

Reply: Yes, provided all of the following conditions are met:

(a) all requirements of ASME B31.1;

(b) the allowable stress values listed in the ASME B31.1 Code shall not be exceeded;

(c) maximum allowable stresses in Table 1 are not exceeded;

(d) this Code Case shall be referenced in the SCI Data Report.

TABLE 1

Spec. No.	Specified Minimum Tensile, ksi	Maximum Allowable Stress Values in Tension, ksi, for Metal Temperature up to and Including 450°F							
		−20 to 100	150	200	250	300	350	400	450
Seamless Pipe and Tube									
B 43	40	8.0	8.0	8.0	8.0	8.0	7.0	5.0	2.0

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B31 CASE 170
PWHT Exemptions for P-Nos. 4 and 5A Materials for ASME B31.1 Construction

Approval Date: March 1999

This Case shall expire on March 31, 2002, unless previously annulled or reaffirmed

Inquiry: What additional exemption to postweld heat treatment may be taken for P-Nos. 4 and 5A materials used for ASME B31.1 construction?

Reply: An additional exemption may be taken for nominal pipe sizes greater than NPS 4. All other rules for exemption in Table 132 for P-Nos. 4 and 5A shall remain in effect.

If this Case is used on boiler external piping, the Case number shall be identified in the Manufacturer's Data Report Form.

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ASME CODE FOR PRESSURE PIPING, B31

B31.1	Power Piping	1998
B31.2[1]	Fuel Gas Piping	1968
B31.3	Process Piping	1999
B31.4	Pipeline Transportation Systems for Liquid Hydrocarbons and Other Liquids[2]	1998
B31.5	Refrigeration Piping	1992
B31.8	Gas Transmission and Distribution Piping Systems	1995
B31.9	Building Services Piping	1996
B31.11	Slurry Transportation Piping Systems	1989 (R1998)
B31G-1991	Manual for Determining the Remaining Strength of Corroded Pipelines: A Supplement to ASME B31 Code for Pressure Piping	

NOTE:
(1) USAS B31.2-1968 was withdrawn as an American National Standard on February 18, 1988. ASME will continue to make available USAS B31.2-1968 as a historical document for a period of time.

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