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Minutes

ASME B31.1 Power Piping Section Committee

**Hilton Naples
5111 Tamiami Trail North
Naples, Florida 34103**

Wednesday, May 23, 2018

Notice: These Minutes are for Committee use only and subject to adoption. It is not to be duplicated or quoted for other than Committee business.

Chair: Mr. William Mauro – American Electric Power
Vice Chair: Ms. Kristi A. Vilminot
Secretary: Mr. Umberto D’Urso – The American Society of Mechanical Engineers

1.0 Call to Order and Introductions

The meeting was called to order at 8:00 AM by the Chair, Mr. William Mauro.

Members Attendance Listing (X – Present, T – via Teleconference, R – Representative Present)

Name	Affiliation	
W. J. Mauro, <i>Chair</i>	American Electric Power	X
K. A. Vilminot, <i>Vice Chair</i>	Black & Veatch	X
U.D'Urso, <i>Staff Secretary</i>	ASME Codes & Standards	X
D. D. Christian	Victaulic	X
M. J. Cohn	Intertek AIM	
R. Corbit	APTIM	X
D. H. Creates	Ontario Power Generation	X
P. M. Davis	AMECFW	X
R. P. Deubler	Becht Engineering	X
A. S. Drake	Constellation Energy Group	
M. K. Engelkemier	Cargill	X
S. J. Findlan	Stone & Webster	X
P. D. Flenner	Flenner Engineering Services	X
J. W. Frey	Joe W. Frey Engineering Services	
S. Gingrich	AECOM	X
J. W. Goodwin	Southern Co.	X
J. Hainsworth	WR Metallurgical	X
T. E. Hansen	American Electric Power	X
R. W. Haupt	Pressure Piping Engineering	X
C. L. Henley	Kiewit Engineering Group	R (Hudson)
B. P. Holbrook	Consultant	T
M. W. Johnson	NRG Energy	
R. J. Kennedy	Consultant	T
D. J. Leininger	Worley Parsons	
W. M. Lundy	U.S. Coast Guard	X
L. C. McDonald	Structural Integrity	X
T. Monday	Team Industries	X
M. L. Nayyar	NICE	
J. W. Power	GE Power	X
D. W. Raho	CCM 2000	
K. I. Rapkin	FPL - Power Generation Division	X
R. K. Reamey	Turner Industries Group	X
J. P. Scott	Dominion	X
J. J. Sekely	Welding Services, Inc	E
H. R. Simpson	Consultant	
S. K. Sinha	Lucius Pitkin, Inc.	T
R. B. Wilson	R. B. Wilson & Associates LTD.	X

A copy of the member attendance list for Professional Development Hours (PDH) is shown on **pages 49 - 51**. See **pages 52 - 53** for a listing of visitors present.

2.0 Adoption of Agenda

The agenda was unanimously voted approved as issued.

3.0 Approval of Minutes – January 24, 2018

The meeting minutes of the January 24, 2018 meeting were unanimously voted approved as issued.

4.0 Announcements

4.1 B31P-2017, Heat Treatments for Fabrication Processes was published on May 15, 2018

5.0 Membership Report

5.1 B31.1 Section Committee balance of interest is shown on page 23. Rosters for the B31 Section Committee and all Subgroups are shown on pages 24 - 46.

5.2 B31.1 Section Committee Member attendance record for the past three years is shown on page 47.

5.3 Members' Percentage Ballot Voting Record for the past year, the minimum required percentage is 75%: See page 48.

5.4 The current Officer positions of Chair and Vice Chair of the B31.1 Section Committee will expire on June 30, 2018. Secret ballots were issued to the B31.1 SC membership for the election of new Officers using the weighted vote method. As a result, Mr. William Mauro was appointed as Chair, and Mr. Raymond Reamey as Vice Chair for three year terms beginning on July 1, 2018. Noted appointments were approved by the B31 Standards Committee.

5.5 Ms. Kristi Vilminot was thanked for her service as Vice Chair of the B31.1 Section Committee.

6.0 Liaison/TG Reports

6.1 Chair's Report – W. Mauro

The Chair thanked the Members and all visitors for their participation during the B31.1 meetings this week.

6.2 B31.1 Honors & Awards - S. Sinha

- Honors and Awards and PDH activities have been streamlined and are working smoothly.
- B31 Standards Committee is currently working on an action item to have the B31 Forever Medal Nominating committee disbanded and have the B31 Honors and Awards committee handle all award activities.
- Encourage all members to make nominations for various Committee level and ASME awards available. Nominating procedures and submission deadlines should be followed for each award.

6.3 B31.1 TG on Stress Equations - TG consists of Messrs. Engelkemier (Lead), Bethea, Davis, & Haupt

Noted two items created and drafts developed. TG comments are being consolidated and ballot to B31.1 SC expected to be issued in July.

6.4 B31.3 – R. Haupt, P. Flenner, D. Raho

Key topics being worked on by the B31.3 SC include the definition of stress, and the incorporation of B31J equations.

6.5 B31 MDC & B31 Standards (E, G, H, J) – B. Holbrook / R. Haupt/M.Engelkemier

B31 MDC held a teleconference in March. Noted Jimmy Meyer was elected as Chair, and Monte Engelkemier as Vice Chair. Ballot for B31H expected to be issued shortly.

6.6 B31 Fabrication and Examination Technical Committee – P. Flenner

B31P, Standard Heat Treatment for Fabrication Processes was published on 5/15/18. Consistency Ballots for reference to B31P from the B31 Standards Committee expected shortly.

6.7 B31 ST LLC Requests

B31 ST-LLC Requests are due to Adam Maslowski (maslowskia@asme.org) by August 31, 2018. Projects submitted will be reviewed and prioritized by the B31 Standards Committee during 2018 B31 Code Week.

6.8 BCA Task Group - Conformity Assessment Requirements within B31.1

Board on Conformity Assessment (BCA) Task Group (BPV I Standards and B31.1 Section) to research, collect data, and provide a report to the Board on the pros and cons of establishing conformity assessment requirements within B31.1 and its possible use of the PP designator.

TG contains BCA Members: Richard Campbell (Chair), Paul Edwards (representative from CBPVCA), Robert McLaughlin, Tom Hansen, & Matthew Vazquez (ASME Staff). B31.1 Members: Paul Davis, Ray Reamey, & Roger Thein. BPV I Member: Edward Ortman. BCA TG teleconference was held on July 28, 2017.

Updated Business Plan for Proposed New B31.1 Certification Program to be denoted as Non Boiler External Piping – Quality (NBEP-Q), and assigned as item [18-3401](#). B31 Standards Committee Administrative Ballot [18-275](#) with review and comment to BCA, BPTCS, BPV I, and SGGR&P (BPV I) was Approved. Negatives/Comments received were reviewed by the Subgroup on Quality Control (B31.1). Following a lengthy and detailed discussion, the SG agreed to step back on the original intent, and proceed with adding quality control requirements and a quality program for NBEP (with a goal of the 2020 Edition) in B31.1. It is the intent Certification be reevaluated once the quality control requirements are incorporated. A synopsis of the SG's actions and intent will be submitted by Mr. Davis. Mr. Campbell noted that the BCA Task Group will now be disbanded.

6.9 BPTCS – W. Lundy

In late 2016 an inquiry was sent to both BPV I and B31.1 having to do with jurisdictional limits of the Boiler and BEP. The record numbers are 16-2648 (BPV I) and 16-3052(B31.1). The two committees responded to the inquiry at separate times, BPV I in May 2017 and B31.1 in January 2018. BPV I believes that jurisdictional limits for the Boiler and BEP are administrative requirements that are set by Section I and that B31.1 only has technical responsibility for BEP. 16-2648 is the BPV I Record Number and 16-3052 is the B31.1 Record Number which contain the subject inquiries. The Section I inquiry has been issued and published, the B31.1 inquiry was approved, but the B31.1 SC took a follow-up action to hold this item until a response from the BPTCS was received.

BPTCS Administrative Ballot [18-1116](#) to vote on the reaffirmation that BPV Section I is assigned total administrative jurisdiction over boiler external piping requirements, including determination of where those requirements begin and end, and that the B31.1 is assigned total technical jurisdiction over boiler external piping requirements, was closed on May 4, 2018 and was approved.

6.10 BPVC Section I – T. Hansen

BPV I finalizing items for the 2019 Edition of BPVC Section I.

6.11 BPVC Section II – D. Rahoi

It was noted that a new process was being incorporated by BPV II. Rather opening new BPV II items, the Committee will be using the referencing standards item number to develop proposals.

6.12 BPVC Section IX – P. Flenner

Noted that a new group under BPV IX was formed to address inquiries.

6.13 B16 Committees – M. Nayyar

No report.

6.14 EPRI – Dana Couch, Stan Rosinski

Report shown on [page 54](#).

6.15 MSS – R.P. Deubler

Report shown on [page 55](#).

6.16 MTC – P. Deubler

Report shown on [page 55](#).

6.17 NBIC

No report.

6.18 Non-Metallic Pressure Piping (NPPS)

Three standards expected to be published in 2018:

ASME NM-1: Standard on Thermoplastic Piping Systems

ASME NM-2: Standard on Glass Fiber-Reinforced Thermosetting Resin Piping Systems

ASME NM-3 Standard on Nonmetallic Materials

6.19 Post Construction Committees – S. Findlan

PCC was reviewing consistency through all articles in PCC-2.

6.20 PSP Forum – T. Monday

Presentations from the PSP Forum are available on the B31.1 website, under [PSP Forum](#).
Noted that PSP Forum guests are planning a tour of the Cincinnati Water Works in lieu of a forum meeting at B31 Code Week.

6.21 Pipe Fabrication Institute (PFI) – T. Monday

Noted new standard to be published on colorant of welds.

7.0 Approved Items Scheduled for Publication

The next edition of B31.1 is scheduled for June 2018. The following revision items are BPTCS approved and are in the que for the 2018 Edition:

Revisions Scheduled for the 2018 Edition:

- [03-315](#) Update Appendix N, Paragraph N-102.3.1
- [06-1521](#) ANSI/FCI 79-1
- [07-172](#) Incorporate B31.1 Code Case 189 on alternate UT acceptance criteria into the Code
- [08-931](#) Define Material Recommendations for FAC Applications
- [07-173](#) Incorporation of heat treatment definitions
- [08-1376](#) Updating AWWA Standard edition numbers in Appendix F
- [10-309](#) Review of ASME PCC-3 "Inspection Planning Using Risk Based Methods" for Incorporation in Appendix 5
- [11-1169](#) Consolidation of Wall Thickness
- [11-1042](#) Review 875 F Warning for Graphitization of Carbon-Moly Steel (Table 124.2(B) and Table A2, note (2))
- [12-218](#) Appendix 6 review to compare with new SC II requirements
- [12-618](#) New item to correct Table 3 and 8 in alloys TP 321 and TP321H to allow for change in mechanical property based on thickness
- [12-900](#) Addition of reference to NFPA 54-2012 and NFPA 56PS-2012
- [13-199](#) Revise HDPE Fusion bonding qualifications in accordance with those being developed by ASME Section IX
- [15-1328](#) Revise Table A-3 - Note 26
- [13-1588](#) Add definition of "occasional loads" to Section 101 Design Conditions
- [13-1870](#) Clarify the need for sound engineering judgment and the use of more detailed analyses, making the language the same as in all other B31 Codes
- [13-1991](#) Incorporating B31.3-2012 para. 300(c)(5)
- [14-777](#) Move definitions for "failure" and "Repair" in Appendix V to the def. in para. 100.2.
- [14-783](#) Metallic Bellows Expansion Joint Requirements
- [14-1688](#) Redefining Pressure
- [15-1326](#) Correct errors in Table A-4 to allow for use of certain nickel and high nickel alloys for BEP applications.

- 15-2125 Evaluate changes to SIF based on next published B31J Edition (2016?) and ASME STP-PT-073
- 15-2149 App F; ASME CA-1 2014 for inclusion in the list of standards as an evergreen reference
- 15-2150 App F; ASME QAI-1 2014 for inclusion in the list of standards as an evergreen reference
- 15-2151 App J; review of CA-1 for replacement of current QC sections in B31.1 body and Appendix J in parallel with similar action in BPV I.
- 15-2152 To tighten scope to a clearer defined boundary in lieu of figures Revise Table 132 to adjust lower temperature limit for P-No. 15E
- 15-2153 Revise Table 132 to adjust lower temperature limit for P-No. 15E PWHT to 1300F
- 16-185 Definition of "Winding Angle" for filament wound pipe
- 16-188 Revising Table 127.4.2, note b, to address internal reinforcement
- 16-189 Clarify Lmax in Appendix II
- 16-1196 Para 100.2 Definitions - revise definition for undercut
- 16-1221 Revise titles of Tables 129.3.3.1 and 129.3.4.1
- 16-1494 Inconsistency between App II -3.4 Earthquake Analysis para.2 and in the definition of MC in para. 104.8.3 (2014) and MB para. 104.8.2 (2014)
- 16-2156 Figure 100.1.2 (B.2) Revision
- 16-2165 B31.1, Add new specification to allowable stress tables
- 16-2251 B31.1, Specification SA-202 Remove from Table VIII-2
- 16-2314 Editorial Change to Paragraph 106
- 16-2402 NFPA 1963: Standard for Fire Hose Connections, 2014 Edition
- 16-2403 NFPA 85: Boiler and Combustion Systems Hazards Code, 2015 Edition
- 16-2646 Revise paragraph 136.3.2 to clarify the reference to ASME Section V, Article 9
- 16-2969 Revision to Table A-3 i
- 16-3102 Revise para. 131.4.1 to add 50 deg min preheat for materials not listed in Table 131.4.1
- 17-116 Incorporation of Case 195
- 17-287 Revise Header for Para 132.4
- 17-469 Appendix F; Review of Boiler and Pressure Vessel Code Sections I to XIII
- 17-2399 Mandatory Appendix F ASCE/SEI

Errata Scheduled for the 2018 Edition:

- 16-1699 B31.1; Errata for B31.1-2016 Table A-5
- 17-312 Errata to Fig. 104.3.1(D)

Revisions Scheduled for the 2020 Edition:

- 2-106 Para. 101, Design Conditions
- 06-689 Appendix IV references review
- 07-1510 Para. 121.2(H) and 121.8.2(B),
- 12-209 Add definition for "Volumetric Examination" to para 100.2
- 15-2126 Add a statement to para. 104.1.2 to all use of unlisted materials per 123.1.3
- 15-1327 Correct location and add welded tubing to A789 and A790 for UNS S32550
- 16-1414 Revise para. 127.4.9(A) & 132.3.3 for low energy capacitor discharge welding of F2071 attachments.
- 17-2629 Review of B18.31.1M and B18.31.2

Code Cases Published since the last B31.1 Meeting:

Code Cases are published immediately after they are BPTCS Approved and are no longer being included in each edition of the Code. Code Cases are posted on the B31.1 SC website; [Code Cases](#)

- [15-2192](#) CC on heavy wall fittings
- [16-1204](#) Use of SB 167 UNS N06617

Interpretations Published since the last B31.1 Meeting:

Interpretations are published immediately after they are issued to the inquirer and are no longer being included in each edition of the Code. Interpretations are posted on the ASME website; [Interpretations Database](#)

- [14-2460](#) Use of B31.1 materials for BEP
- [15-839](#) Carbon Steel Above 800F
- [16-2915](#) Clarity on terms
- [17-119](#) Solution annealed 52Ni-22Cr-13Co-9Mo, UNS N06617
- [17-182](#) Use of 9Cr-2W, UNS No. K92460, in ASME B31.1 Construction
- [17-748](#) Variation from normal operation
- [17-864](#) Table 136.4, Note (6) - Clarification of Note (6)
- [17-1228](#) Excursions over Design Conditions
- [17-2123](#) 137.2.1
- [17-2589](#) Chapter VI, Section 136, paragraph 136.1.1

8.0 Errata

All items approved as errata from the latest edition of B31.1 are posted on the B31.1 SC website; [B31.1 Errata](#)

Subgroup on Materials

Item	Subject	PM	Ballot	Ballot Status/Report
18-1016	B31.1 Errata, Table A-5	Rahoi		Noted that this will be changed to a revision item for the next agenda.

9.0 Inquiries

Subgroup on Design

Item	Subject	PM	Ballot	Ballot Status/Report
16-2270	Pump discharge piping	Barcelona	18-415	Disapproved. Noted that Mr. Mauro would withdraw his negative.
16-2271	Pressure-reducing items	McCormick	17-2836	Approved. Comments received Work in progress.
16-2598	Opening Reinforcement	Circolone	17-2829	Disapproved. New ballot forthcoming.
16-3052	Section I - PG-58.3 and Section B31.1 - 122.1.7	Engelkemier	17-1019	Approved. Noted similar BPV I inquiry 16-2648 . This item will be sent to BPV I for review in order to avoid the B31.1 SC from publishing contradicting information with Section I. Motion to hold this item until

				<p>response from BPV I is received was unanimously voted approved.</p> <p>Refer to Agenda item 6.9 for action taken by the BPTCS.</p> <p>Motion to advise inquirer of Section I interpretation and close this item was unanimously voted approved.</p>
18-575	Allowance in stress for transients		18-1388	Interpretation to be issued.
18-582	Design pressure consideration for pump discharge piping	Engelkemier		Secretary to contact the inquiry with request to reformat the inquiry and resubmit.
18-784	Consideration of Creep Damage	Engelkemier		Ballot forthcoming.

Subgroup on Fabrication & Examination

Item	Subject	PM	Ballot	Ballot Status/Report
16-428	Longitudinal Weld NDE Requirements	Frey	17-2906	Disapproved. W
17-2291	Mandatory Minimum Nondestructive Examinations	Davis	18-554	Ballot Approved. Interpretation to be issued.
17-2342	Pressure testing of B31.1 piping	Findlan	18-851	Disapproved. PM changed from Frey to Findlan. Work in progress.
17-2632	Qualification of NDE Personnel	Corbit		Ballot forthcoming.
18-15	PWHT of Welds Joining Different P Number Materials	Findlan		PM changed from Hainsworth to Findlan.
18-94	Root Concavity for Radiography	Reamey	18-1006	Approved. Interpretation to be issued.
18-522	Initial Service Testing	Reamey		PM changed from Findlan to Reamey. Ballot forthcoming.
18-545	PWHT	Gingrich		PM changed from Findlan to Gingrich. Ballot forthcoming.
18-627	Examination Requirements	Monday		PM changed from Findlan to Monday.
18-728	Radiography Burn thru	Reamey		PM changed from Findlan to Reamey. Ballot forthcoming.
18-849	Undercut	Reamey		PM changed from Findlan to Reamey
18-969	P-No 4 PWHT	Findlan		Work in progress.

Subgroup on General Requirements

Item	Subject	PM	Ballot	Ballot Status/Report
16-1240	Buried Gas piping	Power	17-2891	Disapproved. Ballot forthcoming.
16-2928	Isolation Flange Joint on Main Steam Pipe	Power	17-2892	Approved. Interpretation to be issued.
17-2549	Use of Later Editions of Referenced Standards	Power		Secretary was requested to contact inquirer advising of changes to the 2018 Edition which resolve inquirers questions.
18-722	Turbine Fuel Gas Piping	Fong		PM changed from Power to Fong. Work in progress.

Subgroup on Materials

Item	Subject	PM	Ballot	Ballot Status/Report
05-425	Table A-3, Stainless Steels, A351, CF8M Casting	Rahoi		New item will be opened with Ron Young as PM to review austenitic stainless steels. No report.
11-1674	Materials for internal BEP valves	Rahoi	14-1692	Disapproved. No report.
13-1392	Use of SB 167 UNS N06617	Rahoi	17-412	Approved. Comments received. No report.
16-2122	NUT Temperature	Rahoi	17-439	Approved. Comments received. No report.
17-870	BEP Materials	Rahoi		No report.
17-1610	B31.1 Code Case 183-1	Rahoi		No report.

10.0 Revisions

Subgroup Chairs reported on the top items of interest to the B31.1 Section Committee, and those items are highlighted.

Subgroup on Design

Item	Subject	PM	B31.1 Ballot	B31 STD Ballot	Status Report
02-93	Para. 122, Blow-off Valve Rewrite	Johnson			Motion to close was unanimously voted approved.

02-113	Revision to Fig. 104.3.1(G)	Wilson	10-1929		B31.1 Disapproved.
02-3307	Appendix II Sample problem correction	Barcelona	17-2831		B31.1 Disapproved. New ballot forthcoming.
03-187	Revision of Paragraph 102.3.3 (A), Occasional load in the creep regime	Haupt			Request sent to BPV II, Item 17-322.
03-974	Para. 121.1, Temporary Support using non-metallic material	Lundy	18-1486		B31.1 Ballot pending
03-976	Adding Classes and Joint Efficiency Factor to Appendix A	Rapkin	12-311		B31.1 Disapproved
04-1355	Temperature Rates of Change - incorporating the fatigue effects of thermal gradients	Creates	14-1518		B31.1 Disapproved. Motion to close was unanimously voted approved.
05-749	Consideration of Thermal Discontinuity Stress in Dissimilar Socket Welds (Para.111.3)	Creates	18-138	17-2222	B31 STDS COM Disapproved B31.1 Ballot Disapproved. Motion to close was unanimously voted approved.
05-754	Revise Para. 115 Mechanical Joints	Haupt	18-411		B31.1 Disapproved
06-181	Partial Penetration Welds	Goodwin	18-1436		B31.1 Disapproved
08-978	Relocate Paragraph 102.3.3 & Re-word Paragraph 104.8.2	Haupt	11-2373		B31.1 Disapproved
08-1369	Add B16.34 cold water rating to para 122.1.7	Johnson	18-119		Ballot Disapproved
09-1660	Evaluation of all 9 Chrome Materials for Creep Strength Enhanced Ferritics for Y Value	McCormick	17-2904		B31.1 Disapproved
10-305	Reference to Para 104.3.1 (d) - Area Replacement Rules Review of ASME BPV III Record #04-1612	Rapkin	11-192		B31.1 Disapproved. Motion to close was unanimously voted approved.
10-307	Consistency in Reference to Stress Range	Wilson			
10-738	B31.1 Code Case; Alternate Rules for High Cycle Fatigue	Haupt			
12-598	Revise 104.8.3 to cover both cyclic and non-cyclic displacement stresses	Haupt			
12-815	Figure 104.3.1D nomenclature, d2, Fig G uses r1	Lundy			PM changed from Byda to Lundy.
12-1690	Figure 100.1.2(C) Desuperheater note and spray water source	Holbrook	17-3043RC101	17-2222RC4	B31 STD COM Approved. Comments B31.1 SC Ballot Approved.
13-1585	B31.1 Revise para. 104.8 to incorporate reference to para. 101.1	Vilminot	18-1438		B31.1 Ballot pending

13-1587	Revise paragraph 120.2.4 Supplementary Steel	Haupt	18-722		B31.1 Approved. Comments
13-1992	Modify Figure 127.4.2	Bethea	16-3009		B31.1 Disapproved.
13-1993	Incorporating of B31.3 Appendix P in to B31.1	Vilminot			
15-236	Revision to Appendix G Nomenclature and Index	Circolone			
15-238	Determining Design Life of Piping	Drake			
15-239	Non-metallic pipe support components for permanent piping	Lundy			
15-240	Reconcile Table 104.1.2(A) with Appendix A for other metals with $\gamma=0$	Engelkemier	17-2615		B31.1 Disapproved
15-1342	Desuperheating Piping Drainage	Byda	15-2987		B31.1 Disapproved.
15-1343	Elimination of duplicate equations	Wilson	18-1052	17-2910	B31 STD COM Disapproved. B31.1 Approved. Comments
15-2954	Reference to B16.5	Holbrook	18-118	18-565	B31.1 Approved B31 STD COM Disapproved
16-310	Revise par. 104.1 to update terminology for minimum required wall thickness	Davis	18-1458		B31.1 Ballot pending
16-2154	Overpressure Protection by Design	Lundy			PM change from Watkins to Lundy.
16-2155	Minimum Pipe to Branch Fitting Weld Size for Branch Connections Using Integrally Reinforced Branch Outlet Fittings Welded Directly to the Run Pipe	Goodwin			
16-2491	Para. 119.7.3 Footnote 4	Circolone			
16-3048	Review addition of B31.12 to Table 126.1	Creates	17-985	17-1729	B31 STD COM Disapproved.
17-288	Revision to Table 102.4.5	Holbrook			
17-1397	Acoustic Resonance: add to para. 140(j)	Creates	17-2519		B31.1 Disapproved
17-2398	Revise 102.2.4 to apply to properly qualified unlisted materials	Davis	17-2893RC1		B31.1 Ballot pending
17-2753	Stress Equations TG Revision 1	Circolone			
17-2754	Stress Equations TG Revision 2	Engelkemier			
17-3162	Para. 114 Titles	Drake			
17-3245	Reference to ASME A13	Snyder	18-1214		B31.1 Ballot pending
18-49	Nonmandatory Appendix IV Review	Watkins			

18-417	Friction Effects	Wilson	18-817		B31.1 Disapproved. Motion to close was unanimously voted approved.
18-418	Reorganize Chapter II, Parts III & IV	Haupt			
18-419	Incorporation of reference to ASCE-07	Sipe			
18-420	Update reference to ASME B16.34-2017	Collison			
18-421	Update reference to MSS SP-58	Collison			
18-422	ASME B&PV Code Section XIII	Engelkemier			
18-701	Review of 104.8.2	Engelkemier			
18-759	Definition of tm	Bethea			
18-1024	Review Design for External Forces and Moments	Engelkemier			Motion to forward inquiry to BPV VIII was unanimously voted approved.

Subgroup on Fabrication & Examination

Item	Subject	PM	B31.1 Ballot	B31 STD Ballot	Status Report
11-1045	Revision to Figure 127.4.4 (c)	Couch	12-106RC101	13-519RC101	B31 STD COM Disapproved.
11-1632	B31 Consistency Ballot for Preheat - B31.1	Flenner			Noted publication of B31P. Consistency ballot forthcoming.
11-1634	B31 Consistency Ballot for PWHT - B31.1	Flenner			Noted publication of B31P. Consistency ballot forthcoming.
11-1660	Revise paragraph 137.4.3 (Test Medium), 137.1.2 (Temperature of Test Medium), 137.5.2 (Pneumatic Testing)	Zimpel	17-173RC1	18-1206	B31.1 Approved. B31 STD COM Ballot pending
11-2019	Correction to figure references in para 104.3.1(c.2)	Corbit	17-1348		B31.1 Ballot Disapproved.
12-1788	Alternative to hydrotest on NBEP when hydrotesting is not practical	Miletti	18-559		B31.1 Disapproved. Work in progress. New ballot forthcoming.
13-248	B31.1, Para. 100.2 & 131.6	Zimpel	18-117	16-2675	B31.1 Ballot Approved. Issue recirculation ballot to B31 STD COM.
13-1200	Localized PWHT for CSEF Materials	Hainsworth	14-1792		B31.1 Disapproved. On hold pending 15-1906.

13-2072	Add definition of tm to Figure 127.3	Leininger	16-228RC1		B31.1 Approved, comments received.
15-479	Revise paragraph 136.4.5, Radiography, to include acceptance criteria for undercut	Reamey	17-3613RC1	16-280RC101	B31 STD COM Approved. Issue to BPTCS
15-1906	B31.1 Code Case to address Localized PWHT for CSEF Materials	Hainsworth	18-670	17-1729RC4	B31 STD COM Approved Comments.
15-1949	Code Case to address the gap in Fig 127.4.4(c), Socket Weld Fittings	Flenner	17-2330RC1	18-1009	B31 STD COM Disapproved. EPRI supporting effort. Negatives/comments to be summarized for EPRI to consider. On hold pending EPRI review.
15-2593	Revision to para 137.2.1, Exposure of Joints	Sekely			
16-1105	paragraph 100.2 Definitions – add definitions for rounded and elongated indications	Boseo	17-2140RC1		B31.1 Approved, comments received.
16-1413	Revise para. 127.2.1, Electrodes and Filler Metal	Sekely			
16-3101	Revise para. 136.4.5 – Radiography, to clarify the thickness to be used for image quality indicator (IQI) selection	Fry	17-2905		B31.1 Disapproved.
17-559	Review of Para. 132.5	Fry	17-2847		B31.1 Disapproved.
17-1388	Revision to Fig 127.4.4(C)	Couch			
17-2176	Address PWHT requirements (similar to table PW-39-12 and -13 in Section I) for Nickel alloys	Gingrich			
17-2340	Review Figure (refer to 11-776)	Findlan			
17-559	Review of Para. 132.5	Frey	17-2847		B31.1 Disapproved.
17-3058	Para 137.2.1, RT and Leak Detection in lieu of Visual Exam during Hydrotest	Frey			
17-3070	Metric conversion for undercut	Findlan			
18-90	Revise 100.1.1 to include “examination	Findlan			
18-492	Weld Distortion	Reamey			
18-493	Define “Area of Interest” for NDE examinations	Reamey	18-986		B31.1 Disapproved.
18-747	Review of N-136.1	Findlan			
18-1011	Figure 127.4.2	Findlan			

Subgroup on General Requirements

	Subject	PM	B31.1 Ballot	B31 STD Ballot	Status Report
02-168	[Tracking Only] Review of MSS Stds. (Hydrotest & Trans. Press Allowances)	Power			
02-169	[Tracking Only] Review ASME Stds. (Hydrotest & Trans. Press Allowances)	Power			
03-302	Metrication of Appendix N	Fong	17-3403RC1	18-565	B31 STD COM Approved Revised proposal unanimously voted approved. Recirculation at B31 Standards Committee to be issued.
03-306	Metrication of Appendix VII	Gwynn			
03-360	Metrication of Appendix II	Trinker			
07-176	Adopt use of "latest edition" text (ASME Standards only)	Guarnieri	16-3124		B31.1 Disapproved.
07-1476	Qualifications of the Designer	Treat	18-1507		B31.1 ballot pending. Awaiting feedback from BNCS.
13-191	Removal of Specific Paragraph references in B31.1	Treat	18-418	18-1009	B31 STD COM Disapproved.
13-245	Scope of Chapter IV and Contents of Table 126.1	Mauro	18-1528		B31.1 ballot pending.
13-1087	Removal of "addenda" throughout the code	Christian	17-1817	17-2222RC3	B31 STD COM Approved. Revised proposal unanimously voted approved. Recirculation Ballot to B31 Standards Committee.
17-1407	Review of Appendix F AWWA References	Gwynn			Item to be transferred to SG on Special Assignments.
17-1614	Review definition for design throttle pressure	Ludwig			
17-3142	Updating Figures Delineating BEP	Thein			
17-3251	Consistency Item on Units of Measure Requirements	Frikken	18-1205	18-1205	B31.1/B31 STD COM Disapproved.

Subgroup on Materials

Item	Subject	PM	B31.1 Ballot	B31 STD Ballot	Status Report
02-163	Allowable Stresses for Dual Certified Materials	Hudson	14-1013RC1	16-3523	B31 STD COM Disapproved. PM changed from Henley to Hudson. Work in progress.
03-344	Carbon Steel above 800F	Henley	12-1192RC101	15-1372	B31 STD COM Disapproved. Work in progress.
05-750	BEP Note, Water Wetted Services	Rahoi			Tracking item.
05-753	TRACKING: Definition of Ferrous Vs. Nonferrous	McDonald	18-1213	17-1729	B31.1 Approved. Issue to B31 STD COM
05-1329	Extend Allowable Stresses in Table A-8 up to 1650F	Rahoi	13-88RC1	13-732RC1	B31 STD COM Approved.
07-1517	Increase maximum temperature allowable stress values of P22 to 1200F	Henley	14-1010RC1	15-1346	B31 STD COM Disapproved.
07-1518	[TRACKING] Removing joint efficiency factor from Appendix A	Deubler			
08-932	Addition of A312 Heavy Cold Worked (HCW) to Table A-3	D. Rahoi	12-550		B31.1 Disapproved.
09-1238	Inconsistencies between B31.1 and BPV Section I	D. Rahoi			Tracking item.
09-1675	P15 E PWHT Comparison Between Table 132 and Section I Table PW39	R. Young	14-811		B31.1 Disapproved.
11-346	Review of API 5L spec to compare the categories	Hudson			PM changed from Henley to Hudson (once Hudson is appointed as Member).
12-43	Add notes to Table A-10	Rahoi	17-409		
12-808	New Code Case on AISI 4130 steel for couplings and fittings	Rahoi	14-107RC101	15-1625	B31 STD COM Disapproved.
12-810	Required material documentation for CPS	McDonald			
12-811	Using ASME SC II Part D Book for full listing of B31.1 Materials	Henley			SG is considering a consultant to perform part 2 & 3 of this project. Request sent to BPV II. BPV II reviewing project. Work in progress.
13-189	Add A193 and A320 to Table A-10	Hudson			PM changed from Henley to Hudson (once Hudson is appointed as Member).
13-195	B31.1; Code Case Guidelines	Rahoi			
14-1927	Updating of Aluminum Allowables per Section II Item 00-128	Deubler	18-958	18-1206	B31 STD COM Ballot pending.

14-2309	Add note to Table A8	McDonald	14-2980	17-1729	B31 STD COM Approved. Comments received. PM to respond to comments.
15-2117	Clarify Language in para 123.1.1 (c)	Young	17-2834		B31.1 Disapproved
15-2594	Update to Appendix IV	McDonald			
16-237	verify/harmonize B31.1 material temperature limits to those assigned to Section I materials	Young			
16-2167	B31.1 Code Case Request, ASTM B 16 (UNS C36000) and B584 (UNS C84400) in B31.1 Ball Valve Construction	Deubler	18-900		B31.1 Disapproved
16-3105	Revision of Case 182	Deubler			
17-305	ASTM A312 Grade S31254	Hassen	18-1093	17-915	B31.1 Approved Issue Recirculation to B31 STD COM.
17-378	Code Case for new materials for Table A-10 that can be used for both bolting and nuts to 1200°F (649°C)	Rahoi			Awaiting BPV II.
17-379	Code Case similar to BPV I on Grade 91 where the chemistry is limited to prevent fail	Rahoi			
17-380	Revision to Code Case 198 on PM Grade 91 to apply more restrictions.	Rahoi			
17-744	ASTM A369 FP91 not in App A-2 of B31.1-2016	McDonald			
17-835	Revise B31 Case 190-1 to add new ASTM Specification	Rahoi	18-852	17-3569RC1	B31 STD COM Approved, revised proposal.
17-1026	Solution annealed 47Ni-23Cr-23Fe-7W, UNS N06674,	Rahoi	18-964		
17-1265	B31.1 Case Use of 9Cr-3W-3Co-Nb-B	Sato	18-115		B31.1 Disapproved.
17-1411	Review of Case 183-2 - Add A234 WP92 Fittings	Deubler	17-3724RC1	18-1009	B31 STD COM Disapproved. Recirculation Ballot to B31 Standards Committee.
17-1447	Reconsider SAE Bolting in ASME B31.1	Deubler			
17-3143	ASTM A307, Grade A bolts in lieu of the ASTM A307, Grade B	Young			
18-414	Code Case for UNS K91060	Rahoi	18-466RC101	18-1327	B31 STD COM Ballot pending.

Subgroup on Operation & Maintenance

Item	Subject	PM	B31.1 Ballot	B31 STD Ballot	Status Report
06-1254	Review of Appendix V – Foreword, and Definitions.	Mauro	18-413		B31.1 Disapproved. New ballot forthcoming.
07-1603	Move Para. V-8.0 to Chapter 7	Rapkin	15-2536		B31.1 Disapproved
07-1604	Evaluate Appendix V, para. V-9 for Inclusion in Chapter VII, para. 148	McCormick	15-2138		B31.1 Disapproved.
07-1607	Review of Appendix V - Para. V-13.0	Creates	17-475	17-1729RC3	B31 STD COM Approved. Comments.
09-1674	Add Special Pipe Fitting Manufacturing Details to Chapter VII, Para. 141	Holbrook	17-3041RC1	17-177	B31 STD COM Approved. B31.1 Ballot Approved. Comments. Revised proposal unanimously voted approved. Recirculation Ballot to B31 Standards Committee.
10-308	Review of API 579/ ASME FFS-1 for Incorporation in Chapter 7 or Appendix 5	Rapkin			
11-350	Add derating of a piping system to chapter VII or Appendix V	McDonald			
11-1039	Add rules for Repair of Covered Piping Systems to Chapter VII	Kennedy	17-3078RC1	17-3614	B31 STD COM Disapproved.
11-1040	Add Rules or Guidelines for the Maintenance and Testing of Spring Hangers to Chapter VII and App. V	Bajpayee			
12-223	Add list of material degradation mechanisms to Appendix V with reference added to Para. 145	McDonald	18-1096		B31.1 Disapproved
12-813	Add new paragraph for abandoned piping systems	Vetter	18-568	18-1009	B31 STD COM Disapproved. New ballot forthcoming.
12-1691	Chapter VII Paragraph Reorganization	Scott	13-1505		B31.1 Disapproved
17-314	Rules/Guidelines for Maintenance and Testing of Snubbers - Appendix V	Bajpayee			
17-1399	Revise Definition of Covered Piping Systems (CPS) in para. 100.2	Reamey	17-3093RC1	17-3614RC1	B31 STD COM Approved. Comments.
17-2400	Define “heavy wall” or “nonstandard fitting”	Holbrook			
18-48	Review of ASME PCC-3	Johnson	18-139		B31.1 Disapproved. New ballot forthcoming.
18-154	Review B31.1 Charter	Haupt			New ballot forthcoming.

Subgroup on Quality Control

Item	Subject	PM	B31.1 Ballot	B31 STD Ballot	Status Report
16-1415	Nonboiler External Piping-Quality (NBEP-Q)	Davis	17-2243RC101	18-1009	B31 STD COM Disapproved. Work in progress.
18-3401	Business Plan for Proposed New B31.1 Certification Program	Davis	18-3	18-275	B31 STD COM Administrative Ballot with review and comment to BCA, BPTCS, BPV I, and SGR&P (BPV I) was Approved. Negatives/Comments received to be addressed. Refer to Agenda item 6.8. Review past items based on new path forward. Work in progress.

Subgroup on Special Assignments

Item	Subject	PM	B31.1 Ballot	B31 STD Ballot	Status Report
03-314	Update Appendix N, Table 3-4.1.1	Scott			
09-980	TRACKING - Incorporation of HDPE Examination Criteria	Sinha			
10-1665	Restricting the use of special gaskets to increase the rating of standard flanges	Hassan	11-2181	15-3055	B31 STD COM Disapproved. PM changed from Simpson to Hassan.
13-198	Add thermowell design para in design section	Vetter	18-1440		B31.1 Ballot pending.
13-200	Revise 105.3(b), metallic piping lined with nonmetals	Vetter			PM changed from Simpson to Vetter.
14-50	Buried Piping (Appendix VII)	DuChez			
16-183	Add reference to B16.36	Hassan	16-231RC1	18-1327	B31 STD COM Ballot pending.
16-2178	B31.1, Table N-102.2.1(A)-1	Vetter	17-358RC1	18-1009	B31 STD COM Approved. Comment.
17-1460	Addition of Reference of AWWA C516-14 to Appendix F	Simpson			Item covered in 17-1407. Motion to close was unanimously voted approved.

11.0 Code Cases

Code Cases are posted on the B31.1 SC website, under Publication Information; [B31 Code Cases](#)

- Case 183-2 Use of 9Cr–2W, UNS No. K92460, in ASME B31.1 Construction**
Subgroup: MTL Project Manager: P. Deubler
This will remain as a CC rather than get incorporated into the code.
- Case 189 Use of Alternative Ultrasonic Examination Acceptance Criteria in ASME B31.1**
Subgroup: FE Project Manager: R. Reamey
Item 07-172 was assigned for incorporation
- Case 190-1 Seamless Ni-25Cr-20Co Material Use in B31.1**
Subgroup: MTL Project Manager: D. Raho
Item 16-79 was assigned for incorporation
- Case 192-1 Cu-13Zn-1.1Ni-Si-A1 Alloy Seamless Pipe and Tubing**
Subgroup: MTL Project Manager: D. Raho
New item will be assigned to incorporate with Mr. Young as PM.
- Case 194 ASTM B584 (UNS No. C87600) in ASME B31.1 Construction**
New item will be assigned to incorporate with Mr. Hudson as PM.
- Case 195 Use of UNS S32003 Stainless Steel for ASME B31.1**
Subgroup MTL Project Manager: D. Raho
Item 17-116 was assigned for incorporation
- Case 197 Grade 1 Ni-Cr-Mo-Cb alloy (UNS N06625)**
Subgroup MTL Project Manager: D. Raho
- Case 198 Grade 91 Steel-- 9%Cr-1%Mo (K90901)**
Subgroup MTL Project Manager: D. Raho
This will remain as a CC rather than get incorporated into the code.
- Case 199 ASTM A351 Grade HG10MNN, UNS J92604**
Subgroup MTL Project Manager: D. Raho

12.0 B31.1 SC Information Items

12.1 Update on Harry's Files

Noted that the spreadsheet created with the listing of files is available from John Scott. The B31.1 Section Committee agreed to drop this item from future agendas.

12.2 Historic B31.1 Editions

Ron Haupt and Monty Engelkemier have compiled an electronic library of historic B31.1 Editions. Refer to the following hyperlink to access the [B31.1 Historic Editions](#). Noted that Addenda from 1955 – 1967 Editions were missing. B31.1 Section Committee agreed to drop this item from future agendas.

12.3 B31.1 Benchmarking Survey on high energy piping (HEP) programs

As a bit of background, the addition of the Operation and Maintenance (O&M) Chapter VII to the ASME B31.1 Code in 2007 was a significant change affecting owners and operators of power plants. It required the operating company to develop operating and maintenance procedures to ensure safe operation of their covered piping systems (HEP). The O&M SubGroup of ASME B31.1 has responsibility to fully develop and maintain Chapter VII, and the non-mandatory Appendix V which provides best practices for the O&M of power plant piping systems. The development of the rules contained in B31.1, Chapter VII are largely based on best in class programs within the utilities sponsoring representatives to the B31.1 Committee and other member experiences. The expected outcome from the survey is two-fold. First, the B31.1 SubGroup on O&M will learn the scope and maturity of the HEP programs currently in place. This will provide valuable input into the process for future Code consideration. Secondly, all utility participants in the survey will be given the results thereby providing you a benchmark of your programs. The B31.1 O&M SubGroup feels the Code rules should be a blend between what is a minimum reasonable expectation and achievable by all, as well as the key attributes of an HEP program which maintains safe operation. This survey will provide needed data on the status of HEP programs across the power generation industry.

Additionally, it is anticipated that the results of this survey will help inform the strategic direction of EPRI Programs 63 (Boiler Life and Availability Improvement), and 88 (Combined Cycle HRSG and Balance of Plant).

Use the following link to access the survey: [ASME B31.1 Benchmarking Survey](#)

Ms. Bajpayee reported that the Subgroup will follow-up with a few survey respondents to get clarification on a few topics. It was noted that gaps in B31.1 will be identified and there will be three action items initiated as a result of the survey. A report will be generated and distributed to the B31.1 Section Committee.

13.0 New Business

No report.

14.0 Future Meeting Dates

The following is the agreed schedule for future Section Committee meetings:

September 17-19, 2018

B31 Code Week (<http://events.asme.org/B31CodeWeek>)

[Hilton Cincinnati Netherland Plaza](#)

35 W Fifth Street

Cincinnati, OH 45202

Tel: 513-421-9100

Group Name: ASME B31 Code Week

Sleeping Room Rate: \$189

Guest Room Reservation Cut-off Date: August 24, 2018

January 21-23, 2019
New Orleans, LA

May 20-22, 2019
Denver, Colorado

15.0 Adjournment

This meeting was adjourned at 11:00 AM.

Respectfully Submitted,

A handwritten signature in black ink, appearing to read "Umberto D'Urso", with a long horizontal flourish extending to the right.

Umberto D'Urso
B31.1 Section Committee Staff Secretary
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N10020200

B31.1 Power Piping Section Committee

Total Membership - 36

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- 2 S. Gingrich - AECOM
- 3 T. Monday - Team Industries Inc
- 4 R. Reamey - Turner Industries Group, L.L.C.

AB

- 1 D. Creates - Ontario Power Generation Inc.
- 2 P. Deubler - Becht Engineering Co., Inc.
- 3 M. Engelkemier - Cargill
- 4 C. Henley - Kiewit Engineering Group Inc.
- 5 M. Nayyar - NICE
- 6 J. Power - GE Power
- 7 H. Simpson -
- 8 K. Vilminot - Commonwealth Associates, Inc.
- 9 R. Wilson - R.B.WILSON & ASSOCIATES LTD.

AF

- 1 M. Cohn - Intertek
- 2 J. Frey - Joe W. Frey Engineering Services, LLC
- 3 J. Hainsworth - WR Metallurgical
- 4 R. Haupt - Pressure Piping Engineering Associates Inc
- 5 B. Holbrook -
- 6 D. Leininger - WorleyParsons
- 7 L. McDonald -
- 8 D. Raho - CCM 2000
- 9 J. Sekely - Welding Services, Inc.
- 10 S. Sinha - Lucius Pitkin Inc.

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- 1 D. Christian - Victaulic
- 2 P. Davis - AMEC Foster Wheeler Plc

AT

- 1 W. Lundy - U. S. Coast Guard

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- 2 A. Drake - Constellation Energy Group
- 3 P. Flenner - Flenner Engineering Services
- 4 J. Goodwin - Southern Co.
- 5 T. Hansen - American Electric Power
- 6 M. Johnson - NRG
- 7 R. Kennedy -
- 8 W. Mauro - American Electric Power *
- 9 K. Rapkin - FPL
- 10 J. Scott - Dominion

Non-Voting Members

- Evans C. Goodling Jr, PE
Edward Rinaca, PE
Arthur L. Watkins

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B31.1 Power Piping Section Committee

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B31.1 Power Piping Section Committee

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N10020201

B31.1 Subgroup on Operation and Maintenance

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B31.1 Subgroup on Quality Control

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B31.1 Subgroup on Quality Control

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B31.1 Subgroup on Special Assignments

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B31.1 Subgroup on Special Assignments

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B31.1 Resource Development Group

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**B31.1 Power Piping Section Committee
MEETING ATTENDANCE LIST**

	Jan 2015	May 2015	Sept 2015	Jan 2016	May 2016	Sept 2016	Jan 2017	May 2017	Sept 2017	Jan 2018
D. Christian									X	
M. Cohn	X					X		X	X	
D. Creates	X	X		X	X	X	X			X
R. Corbit	---	---	X				X	X		
P. Davis	---	---								
R. Deubler				X						
A. Drake		E				X		X	X	X
M. Engelkemier										
S. Findlan		X								
P. Flenner								X		
J. Frey										R
S. Gingrich	---	---	X							
J. Goodwin		E					X			
J. Hainsworth	---	---								
T. Hansen									X	
R. Haupt										
C. Henley										
B. Holbrook										T
M. Johnson	X				X		X	X		X
R. Kennedy										T
D. Leininger	X	X	X	X	X	X	X	X	X	X
W. Lundy	X	X		X			X			X
W. Mauro										
L. McDonald	---	---	X			X	X		X	X
T. Monday		X							X	
M. Nayyar	X	X		X	X		X	X	X	X
J. Power	---	---					X			
D. Rahoi									X	
K. Rapkin	X									
R. Reamey										
E. Rinaca	X		X	X	X	X	X	X	X	X
J. Scott							X			X
J. Sekely	X		X			X	X		X	R
H. Simpson	X	X		X	X	X	X		X	X
S. Sinha		X		X	X					
K. Vilminot										T
A. Watkins	X	E	X	X	X	X	E		X	X
R. Wilson	---	---		X	X	X	X	X	X	X

X = Absence
 --- = Not Yet a Member
 E= Excused
 R= Representative

Ballot Participation

<u>Name</u>	<u>Percentage</u>
DeublerR	100%
ChristianD	99%
DavisP	99%
Engelkemi	99%
FindlanS	99%
FlennerP	99%
GingrichS	99%
HolbrookB	99%
LeiningerD	99%
MondayT	99%
RahoiD	99%
ReameyR	99%
CohnM	98%
CorbitR	98%
KennedyR	98%
PowerJ	98%
HenleyC	97%
Hainsworth	96%
HauptR	96%
McDonaldL	95%
ScottJoh	95%
NayyarM	93%
CreatesD	92%
SekelyJ	91%
MauroW	90%
SinhaS	88%
WilsonRB	88%
HansenT	87%
RapkinK	84%
GoodwinJ	79%
JohnsonM\	78%
LundyW	75%
VilminotK	72%
RinacaE	60%
DrakeA	52%
FreyJ	50%
SimpsonH	34%
WatkinsA	31%

This Attendance Form is for B31.1 Members only.
Please sign this form if you are a B31.1 Member - regardless
of whether or not you are a P.E. requesting PDH.

MEMBERS ATTENDANCE

Meeting of the ASME B31.1 Section Committee on Power Piping

Date: May 23, 2018

Time Duration: 8:00 - 11:00 AM
Total Meeting Time: 3 hours

Scope of Technical Content: Rules of this Code Section have been developed considering the needs for applications which include piping typically found in electric power generating stations, in industrial plants, geothermal heating systems, and central and district heating and cooling systems.

Professional Development Hours (PDH) are made available to the following members of the B31.1 Section Committee on Power Piping in attendance:

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Naples, Florida – May 23, 2018

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B31.1 May 23, 2018

EPRI Announcement:

June 11 – June 14, 2018 - Equipment Reliability Interest Group – meeting in Columbus, OH – Contact: Maria Becker: mbecker@epri.com

June 25 – 29, 2018 - EPRI Nondestructive Evaluation (NDE) Technology - Clearwater, FL – Contact: Lynette Gulledge: lgulledge@epri.com

MSS Report to B31.1 meeting of 5/23/2018

Provided by Pete Deubler 4/19/2018

MSS SP Revisions since last report (Jan 2018)

SP-143-2018 Live-Loaded Valve Stem Packing Systems

MSS new SPs since last report (Jan 2018)

None

Additional Information

The new issue of SP-58 “Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation” has been approved in MSS and was out for ANSI Ballot.

The 2018 MSS annual meeting will be held May 7-9 in Naples Fl.

B31 MTC Report to B31.1 meeting of 5/23/2018

Provided by Pete Deubler 4/19/2018

MTC had a conference call meeting on March 15, 2018.

Work continues on updates to B31T with a new edition scheduled for 2018.

Failures during hydrostatic testing - MTC established a task group to look into the issues with carbon steel and make recommendations to the B31 codes. So far, no definitive causes have been demonstrated to have sufficient validity to warrant actions. The TG will continue to monitor the issue.

MTC reopened our item on the differences in the Joint Efficiency Factors between the different B31 books and is looking at this in conjunction with MDC. It is still unclear as to who should takt the lead and what would be reasonable objectives.

The next MTC meeting will be Thursday of the B31 Code Week in September.