SUBCOMMITTEE ON PIPING AND VALVES

Joint Session

Tuesday, November 19, 2019
Hyatt Regency – Atlanta, GA

Chairman: Steve McJones
Vice Chairman: James Hebert
Manufacturer’s Chairman: Gil Perez
Secretary: TBD

Meeting Minutes

I. Introductions and Record of Meeting Attendance

Chairman Steve McJones called the meeting to order at 8:02 am.

II. Approval of Agenda

No corrections or additions were requested for the agenda. A motion was made and seconded to approve the minutes. The motion passed unanimously.

III. Approval of Minutes of Last Meeting

No corrections or additions were requested for the previous meeting minutes. A motion was made and seconded to approve the minutes. The motion passed unanimously.

IV. Membership and Announcements

- Review of end user representatives and manufacturers/contractor representatives
  - Mark Fleet is no longer able to attend due to a company change. An announcement was made for the need new end user representatives to fill that void.
  - An announcement was made of Jerry D’Avanzo’s retirement.

V. Review of Standards

- Matt Allen has volunteered to lead the task group for API 598. Task group members are currently being selected.

VI. Subgroup Reports

- Mark Etter provided a review of the GGC subgroup meeting.
- James Hebert provided a review of the Quarter Turn and Valve Quality subgroup meeting.
  - A discussion was made to separate the meetings again into two separate subgroup meetings. API has linked them together with one sign in sheet during this fall 2019 meeting.
ii. Rich Davis suggested to add the title for any standards or RPs to any presentation to assist with new members

VII. Manufacturer’s Report
• Gil Perez provided a review of the Manufacturer’s and Contractor’s Meeting
  i. Announcement of Steve Butler will be replacing Jerry D’Avanzo for Fluoroseal Valves after Jerry’s retirement
  ii. Discussed potential updates to IOGP documents

VIII. Liaison Reports
• MSS – David Bayreuther provided the report
  i. Four documents had recently been published
  ii. Awarded 4 MSS Tom Hannafin Scholarship Awards
  iii. Submitted ANSI SP-44, for ANSI review
  iv. Currently working on several documents for revision
  v. Several new standards under development
  vi. MSS by-laws are being revised to allow suppliers of components to become members
• ASME B31.3 Committee – Jerry D’Avanzo provided the report
  i. A question from Steve McJones was raised concerning the change to PWHT requirement for carbon steel. He stated many end users are now referencing the requirement from the previous edition. The newer edition relaxes the requirements. Question if any discussion took place to move back to previous wording?
    1. Jerry and Ray Bojarczuk stated there had not been any discussion to revert back to previous requirement.
• ASME B16 Committee – Carlos Davila provided the report
  i. Standards are being revised to have standard reference the B16 cases or include the cases within the standards themselves.
  ii. ASME B16.47 being revised to include stud lengths which had not previously been included.
• ISO Standards Activity – David Bayreuther provided the report.
  i. Latest meeting was in September 2019.
  ii. Review of the current status and new standards in progress.
  iii. ISO / DSI 23632 Type testing of valves
    1. Standard will have temperature and pressure cycles different from fugitive emissions testing. Intent is to ensure manufacturers provide accurate data for items such as operating torque, STEM MAST, etc...
• IOGP Common User Specifications – Loic Deneuville provided the report
  i. API collaboration agreement became official in June 2019
  ii. Meetings had been held with industry representatives to gather feedback on the current standards.
     1. Comments from the SCOPV subcommittee attendees that notification of the meeting was lacking and few in attendance were aware of the meetings.
  iii. Questions
     1. Rich Davis – Both valve standards specify a packing requirement, understanding that they do not allow for inhibitors for corrosion resistance. End users in US often require inhibitors. Steve Butler stated he had opposed this requirement and was supported by Loic and Total. Other users in the IGOP meeting were not in agreement. BP has accepted the use of the specifications, but with an exception to the packing requirement. Rich commented that since BP has taken exception, that destroys the intent of what IOGP was made for. This disagreement causes issues for the supply chain since the users are not in agreement on the requirement.
     2. Malcom Gilcrest clarified IOGP also requires omission of PTFE within the packing material. This is a problem with many API 622 approved packings and suppliers whom are using those packing sets. The testing of these packings is not valid for IOGP standards. Steve McJones stated this is disappointing as well, but the specification was transmitted for comment and stated there were no comments against the requirements. Several comments from SCOPV meeting attendees stating they did comment against it. Simone Brevi stated that the requirements in the annexes likely were not reviewed or seen. API 6D task group has decided not to include any IOGP points into the API 6D requirement. The packing requirements first appeared in the S-562 (6D overlay) document, but was not as big of a concern for that spec. Same requirements were added to the gate valve overlay (S-611).
     3. Ron Merrick stated that valves account for approximately 4% of total installed cost (TIC) for projects.
     4. Loic stated when Total has implemented it, the manufacturers have not supplied comments saying this was a concern.
     5. Steve McJones reiterated that other users with upstream or midstream experience stated the issue with graphite without corrosion inhibitors was not a concern, and commented that the members may not have enough understanding of downstream requirements.
     6. Luke Chou commented that certain sections completely replace requirements of the API standards and is not an overlay of API 600 requirements.
7. Steve MCJones disagreed with the assessment that was stated and that it adds requirements.

8. Malcom Gilcrest commented that for API 602 valve compliance, the packing is required to be API 622 packing. The packing required in IOGP does not allow corrosion inhibitor, therefore the packing cannot API 622 packing since API 622 requires a corrosion inhibitor. Therefore the valve cannot be API 602 compliant or marked as such.

9. Ray Bojarczuk stated ExxonMobil as a member is due to one manager that attends the meeting. He’s not aware of any member of the Downstream portion of ExxonMobil who is in support of the IOGP document and questions what problem is being solved by IOGP? He stated it creates another set of standard that confuses manufactures, users, procurement, etc...

10. Loic stated that users all have supplementary requirements, so the intent is to harmonize those supplementary requirements.

11. Gil Perez commented he’s counted over 50 significant differences between their product and the IOGP requirements. ASME BPVC Section 8 design requirements are extensive and make different requirements therefore many valves readily available on the marked do not comply.

12. Loic discussed example of fugitive emissions production testing requirements in IOGP is something positive in the document that is not currently being addressed by API.

13. Trace Scrivner commented if end users are in agreement on IOGP why aren’t we adding those requirement into API 600 or 603 within this group.

14. Gil Perez commented on previous discussion of production testing is not an issue since you can test a standard product. Example that lifting lug requirement for certain sizes is an example for the physical product changes that makes standard products non-compliant.

15. Ken Felder asked if any manufacturers were involved in writing since they are the experts on valves.

16. Loic stated end user wrote the documents, but went to manufacturers for comments.

17. Luke Chou stated Neway was a contributor, but the question was stated as can you achieve the requirement and would there be a cost impact.

18. Gil Perez provided feedback as well to IOGP, and did acknowledge that some feedback and changes were made accordingly. There were other comments not taken into consideration.

19. Luke Chou asked if trim 8 is not allowed? Steve McJones stated the intent is to limit the number of trims in order to reduce the number of items in inventory. Luke responded that trim 8 is the most common gate valve trim.
20. Greg Johnson questioned what would the common quality level be? Since the different quality levels have different requirements. Would distributors have to stock all quality levels? Steve McJones stated his thought would be the base quality level is the stocked valve. Then a percentage of valves are tested to meet the higher levels.

21. Steve stated that comments can still be submitted by manufacturers for review by the IOGP members.

IX. Break at 9:55 am. Plan to reconvene at 10:30 am.

X. Reconvened at 10:32 am.

XI. Returned to Announcements for items missed earlier in the meeting
   - Ron Merrick for 30 years of service
   - Carlos Davila for 40 years of service
   - Steve McJones was scheduled to leave the chairman post after this meeting. James Hebert how has served as the vice chairman will not be taking over the chairman role due to changes within his role as Chevron. Bill Patrick has agreed to take on the role of Chairman for the Spring 2020 meeting.
   - Jerry D’Avanzo was acknowledged and presented an aware of citation for service
   - Introduction of Diana, the subcommittee’s new API representative

XII. Inquiry Report – Steve discussed the inquiries are caught up and posted
   - 3 inquires were posted in the few weeks prior to the meeting and will be discussed on Wednesday for review and responses

XIII. Technical Presentation – Ron Merrick provided a presentation on “Valves for Sour Service”
   - Steve McJones asked group if users specify NACE bolting for valve construction bolting such as bonnet bolting. Question if there is a concern with valves supplied with Non-NACE bolting which may later have insulation or later be changed to make the bolting meet the exposed definition. Simone Brevi commented Saudi Aramco does not require NACE bolting on NACE valves. ExxonMobil representative stated NACE bolting would not be required for bonnet bolting except in rare circumstances.
   - Steve McJones question about trim modifications to meet NACE. Ron Merrick clarified that other requirements such as PWHT would not be covered just if the trim is changed.
   - Doug Jones commented that NACE documents have cautionary statement that modifying bolting may end up derating the valve due to lower strengths.
   - Greg Johnson, discussed modifying stock inventory to NACE compliant. Stated that stress relief of backseat tack weld, seat seal welds, and overlay welds. Burnished or rolled threads on austenitic stainless steel can have high hardness. Machined threads better suited for NACE applications.
   - Paul Isaac commented about a recent revision stated 17-4PH would not be suitable. Ron Merrick stated one end user has not allowed 17-4PH in sour service. Ron stated the 1150D grade has been used in sour service valves for quite some time on large bore higher pressure class valves for the strength in quarter turn valves. Recommend to look into those potential issues before specifying it in.
XIV. New Business

- Greg Johnson has recommended to create new standard committee to review consistency in the standards.
- Small group of a few individuals to confirm continuity between the standards for items that are consistent across several standards
- Proposed 2-4 persons to harmonize those sections that are common within all SCOPV standards. They would liaison with all task groups
- Rich makes motion to make such committee. Joel Katzman seconded.

Discussion

i. Steve McJones - other subcommittees are working with similar issues. Some have created the group and have released a document to harmonize common items (machinery group for example).
ii. James Hebert commented the biggest item on API 600 which drove this was when the plan to add group 3 materials was in process. Bolting tables were not consistent, and should be one of the first items to be covered. Voiced support of the motion.
iii. Gil Perez stated that B16 has similar group such as the pressure/temperature group which is shared across the subcommittees. Stated that separate document would not be in the intent. Greg clarified that a separate document is not part of the motion.
iv. Ray Bojarczuk voiced support of the measure but stated a coordinating committee may not accomplish what’s required. Suggested making it called a technical committee.
v. Rich Davis modified the motion to create a technical committee to review and harmonize the wording between the standards
vi. Steve McJones – SRR form would be submitted to CRE to make this a standing committee. Believe this would be approved by the CRE. Next meeting could be used to identify the members
vii. Ken Felder seconded the modified motion
viii. Steve McJones and Greg Johnson clarified this would be within the SCOPV

XV. Next Meeting

The next meeting is scheduled to take place in New Orleans, LA on April 21, 2020.

XVI. Adjournment

A motion of adjournment was made, seconded, and unanimously passed. The meeting was adjourned at 11:48 am.
Respectfully submitted,

Jason Legendre