



**MINUTES  
GASKET WORKING GROUP  
MEETING**

**Dates:** November 21, 2017

**Time:** 9:00 AM – 10:30 AM EST

**Vehicle:** **Go-to-Meeting**

**Present:**

Matt Wasielewski – Yarmouth Research  
Francesca Torriani - General Packing  
María García Gorrichategui - Montero Fye S.A  
Ron Frisard – A.W. Chesterton  
Greg Raty – Slade  
Constant Olivier – Technetics  
Martin Coulthard – James Walker  
Larry Sheffield – Inertech  
Jim Drago – Garlock  
Stephen Woolfenden -  
Chett Norton – Triangle Fluid  
Lucas Norton– A.W. Chesterton  
Henri Azibert - FSA

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**Absent:**

David Mitchell - ESA  
Daniel Bisset – W.L. Gore  
Antonio Morales – Empak  
Guillermo San Martin - Empak  
Mark Richardson – James Walker  
Laverne Fernandes – Garlock  
Mark Neal  
Patricia Pichardo – Empak  
Lee Gillette – W.L. Gore  
Charlene Jones – W.L. Gore  
Philippe Pottier - Siem  
Chiara Sozzi – General Packing  
Carl Jones – W.L. Gore  
Frank Herkert - Amtec  
Randy Wacker – InnerTech  
Reiner Zeuss - SGL Group  
Barry Anderson – Technetics  
Juan Meyer - Empak  
Phil Mahoney – A.W. Chesterton  
Mike Boyd - Triangle Fluid

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**1) Approval of Agenda**

**2) SWG Testing Standard**

• **Round Robin Progress**

○ **Preliminary test results or observations**

- *Empak – Helium – very low emission measured – what type of equipment was used for measurements? What was the background? Need to check with Guillermo*
- *Garlock higher emission levels – engraver works well for the marks on the outer ring of the gasket – background readings were taken inside the oven - background usually in the  $10^{-6}$  range – second test followed procedure more precisely – Numbers high – hole in cover handy to take probe measurement – test done in enclosed space could have an impact*
- *James Walker looking to have results by year end – Using hydraulic loading test set up with helium – put on the AMTEC rig*
- *A.W. Chesterton working on fixture – can test with either gas – rig designed and being fabricated – start with methane -*
- *Yarmouth research started in September – need to zero out flange emissions that is enclosed – Results for methane – highest numbers after first heat cycle – could be out gassing issue – Results are within the expected range*
- *Daniel to check with Amtec – different set up hydraulic loading and helium*
- *We should wait till we get all the results – Question of how to resolve differences to date – Wait till we get more data – Need to talk to Guillermo – might need to tighten enclosure for measurement – background levels are high*
- *Concentration to mass flow rate conversion still a question*
- *The decision is to wait for results from all the facilities to resolve differences and questions. Then improvements for second round robin can be entertained*

**3) Handbook**

• **Publication on Website**

- *Posted in ESA website – Read only*

- *FSA Website free download*
- 4) **KnowledgeBase**
- *Breaking down of Handbook in Chapters – set up modules*
  - *Sealing sense – Board of directors approved program – articles will need upload – **Chett** and **Ron** will help*
  - *Other material –resource?*
- 5) **FSA Standards**
- *FSA-MG-501-02 STANDARD –*
  - *Steam Test ASTM F2716*
  - *M&Y Statement*
    1. *To be posted with water mark obsolete on Website – TCC OK with the process – **Chett** will send files with watermark*
    2. *Randy Wacker working with ASME on alternative methods to M&Y and also working with the ASME FRP meeting – no update right now*
- 6) **Industry Standards**
- *ASME B16.20 – next meeting March 2018 – SWG room temperature test test – **Henri** to post on SharePoint*
  - *API SWG testing adoption*
    - *Presentation for API refining meeting Tuesday November 15*
    - *API is interested in other types of gasket – (semi-metallic, Kamm profile) – Definite interest – wait to see more results – presentation in SharePoint, link:*  
<https://fsanet.sharepoint.com/Gasket/SitePages/Home.aspx?RootFolder=%2FGasket%2FShared%20Documents%2FSpiral%20Wound%20Gasket%20Sealing%20Ability&FolderCTID=0x012000F1C0449E03B5F749A28508BD924B%2D9CE223F448B5%7D>
- 7) **Sealing Sense Articles**
1. *Pipe strain impact on gaskets? Guillermo*
  2. *Emission service? Go with standard release*
  3. *Cryogenic – **Chett** and **Ron***
  4. *Pumps and Systems invitation for February Special Section on Sealing Technology – Advertise the manual and the FSA Chett to check with Marketing resource*
5. – **Other Publications**
- a. *BIC*
  - b. *KCI*
- 8) **Training – Webinars**
- i. *Ron and Chett Video done and available from website:*  
<http://www.fluidsealing.com/education-and-trainings>

- ii. Webinars to be based on the Handbook – Do video series – plan for 2018 during December*
- iii. Valve Users Groups, Canada, Calgary - September - channels open with positive results – perhaps when SWG testing standard is ready – Great area potential for FSA activity*

## **9) Government Affairs**

### *i. Emission Regulation*

- 1. EPA Rule on Methane still in effect and Congress reaffirmed – Also Court action to keep Regulation in place - Pennsylvania Permitting Regulation*
  - 2. Canada released draft rule - submitted comments – Beginning 2018*
  - 3. Alberta issuing regulations – Go primarily after high leakers, end users push back – Small processing areas are way behind for maintenance – need transition period of 5 years*
  - 4. IED (Industrial Emissions Directive) BATIS (Best Available Techniques Information System) and Brefs - ESA updating documents and working with European Commission – Last week conversation, accepted ESA information posted on BATIS – IPPC document also posted with IED requirements. add Gasket handbook to the documents. Excellent results – Brexit impact?*
- ii. EDW – meeting on 9/25, and 10/4 – Technical group meeting for metal not acceptable format – Local individual states want to have more stringent test if they desire – Waiting for response from European body – It is a set back!*
  - iii. WTO EGA Meeting with Trade Representative Robert Lighthizer postponed – Possible study addressing trade debt – No activity in Europe right now*

## **10) LCC –keep on radar**

## **11) Membership**

### *i. Potential new members*

## **12) Marketing**

- i. Work with marketing committee on promotion of Handbook – Great resource – comments so far would like hard copy*
- ii. Download activity 133 since posted as of 11/20 – Daniel still needs to check with Mark Neal -*

### **13)Outreach Projects**

- i. VMA – Technical meeting 2018*
- ii. A&M Pump Show – Rescheduled for December – Booth presence*
- iii. HI – Co-Located Meeting -Guide books recommendation - Commercial Buildings, packing write-up – Slurry Webinar – Condition Monitoring for rotary pumps – Engineering Data Book - Lunch and Learn Stuffing box design on SharePoint*
- iv. Emission Summit – June 2018 – <http://americas.fugitive-emissions-summit.com/> - Check with **Phil** and **Jim** on training opportunities for Monday or Thursday – no shortage of abstracts*
- v. KCI Pump Summit – next June 2018 – Henri asked to do keynote session on Standards*
- vi. Industrial Valve Summit 22/23 May 2019 in Bergamo*
- vii. API – Refining Meeting – API 682 – Presentation on SWG testing standard*
- viii. Power Gen – no plans*
- ix. Chinese Packing and Gasket Association – Keep channels open*
- x. Indian Sealing Association –Monitor*
- xi. World Tribology Conference - some feedback for CSA – Invitation to ESA annual meeting to be discussed*
- xii. VDI -*
- xiii. BHRG – 24th Fluid Sealing Conference – 3/7-8/2018 Manchester UK - Abstract on elastomers submitted. David on Technical committee*

### **14)New Business**

- i. PTFE shortages – Anti dumping campaign*

### **15)Next meeting**

- i. Tuesday January 9, 2018, 9:00 AM EST*

### **16)Adjournment**

*hva 11/20/17*