



**COMPRESSION PACKING
WORKING GROUP
Go-to-Meeting Conference**

September 10, 2018

Present:

Larry Sheffield – Inertech
Chris Boss - Garlock Sealing Technologies
Linda Finnegan – New England Braiding
Hans Dekker – A.W. Chesterton
Martin Coulthard – James Walker
Ralf Vogel – Burgmann Packing
David Edwin Scott – ESA
Jim Drago - Garlock Sealing Technologies
Antonio Morales - Empak Spirotallic Mexicana SA DE CV
Guillermo San Martin - Empak Spirotallic Mexicana SA DE CV
Henri Azibert - FSA (603) 475-4335

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Absent:

Ron Frisard - A.W. Chesterton
Jakub Marczyk – James Walker
Greg Raty – Slade
Lee Gillette – WL Gore
María García Gorrichategui - Montero Fye S.A
Carl Jones – WL Gore
Mark Neal – ESA
Carlos Quintero – John Crane
Thomas Jessup – EGC
Mandy Wittenberg – W.L Gore
Michael Hamoy – John Crane
Lewis Geoffrey – Dupont
Francesca Torriani - General Packing
Rob Garlock – EGC
Patricia Pichardo – Spirotallic Mexicana SA DE CV
Laverne Fernandes - Garlock Sealing Technologies
Mark Richardson – James Walker
Arthur Hernandez – Nippon Pillar
Mike Kupin – Garlock Sealing Technologies
David Mitchell – ESA
John Morton – John Crane

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I. Approval of Agenda

II. Handbook

a. Review Process

i. No Negative votes but comment on cover

- ii. *maybe the background could be write. Ron was working on modernizing the cover, and then it should be sent to the group for review – Henri to follow up with Ron*
- iii. *Sent to David and Mark for ESA review by the Packing Division – Ralf gathered comments – Assume approval at this stage since we have no negative comments*
- iv. *After cover is agreed on, we should publish*

III. **Joint FSA ESA Projects-**

- a. **LCC Power consumption formula**
 - i. *Double checking results and formulas - all to use and check – If you find anything send to Henri – Leave as an on-going item*
 - ii. *Change of the LCC platform – No Schedule yet but John Crane has committed support*
- b. **Valve Packing Study**
 - i. *CETIM prepared Spreadsheet – make it a bit more user friendly*
 - ii. *Still under consideration: Two more tests with different variables – Two different Packings and two different installation methods – Ralf sent email to Hubert to check on status and waiting for response*
- c. **ESA – PD 002 (BS 4371)**
 - i. *Draft number 5 completed - gaps concerning quality of packing – there is good information for graphite and carbon — Carl to follow up with info on what is important for PTFE quality still outstanding – Specifics on quality packing for Vegetable fiber, aramid, Novoloid, etc. –Need to differentiate between poor quality packing and high-performance ones – Some information from Mike Kupin – Ralf to send reminder on PTFE, aramid - Still need more work and more information -*
- d. **K Factor study/ASTM WK 56884 – Include gasket group – Issue brought up by Phil – Ron to Follow up possibly at Fall meeting**

IV. **Education projects.**

- a. **FSA Webinar(s) Series on bolt lubrication Phil working with Ron and Trish Stanislas – In progress envision two parts, K factors, trying to get Jet Lube involved - Ron to follow up**
- b. **Use new handbook to base webinars – Idea to do a series when the manual is released – to be organized in a couple of months – Recheck at the fall annual meeting**
- c. **ESA Packing training material**
 - i. *ESA working on the animations and voice over*
 - ii. *Delivery/platform method – Getting new website and new software tools – Working on mechanics of delivery – New software investigated and installed on the website – specialist is helping and meeting this week - front page looks very friendly - Moving existing content from PowerPoint will hopefully be a straightforward conversion – now the platform is there to do it and this can also be used for other projects – More pictures needed and some received, but right now focus is on delivery method*
- d. **KnowledgeBase**
 - i. *Sealing Sense Articles Repository –Mechanical seal articles almost complete – Linda and Ron volunteered from the Packing group to enter data into the system – data entry issues resolved*
 - ii. *Folder set up on SharePoint to gather material – Topic list started by Linda – Will add existing material - Need to review by team – Plan to make assignments and discuss format at the Annual Meeting – Could use Word documents or PowerPoint Presentations – PowerPoint presentations can be used for webinars so they have dual purpose and use*

iii. ESA Participation – Right now focusing on own website and training material

V. Standards & Regulations

a. API 622 – 640 - 641- 602 - 623 – 621 - 608

- i. 622 – 1/8” cross section – 100 PPM no adjustments – 624 defers to 622 – In the 3rd edition of 622, if multiple sites manufacture a product, it needs to have all products from different sites tested - Waiting on release (it was promised earlier after the Spring Refining Meeting)*
- ii. 621 reconditioning was up for ballot – Reaffirmed with changes and modifications*
- iii. 641 Clarification*
- iv. 608 to require 641 testing*
- v. 624 – Testing for same product not required from every manufacturing site – resolution concerning acceptability of previous testing - Text to specify packing must pass 622 3rd edition and 2d edition results valid if less than 100 PPM with no retorque – Ballot results still not released - Meeting during Emission Summit, but no feedback right now – New Fast track qualification process if using similar 622 packing in a different valve*
- vi. 6FA Fire Test committee – Using API 607 for packing should be good enough – Did not see any need to resurrect API 589 – Monitor at this point – 589 has not been reissued or maintained, so it is obsolete and not recognized by API – Only 607 is current*

b. ISO 15848 – no activity – TaLuft being modified fall 2018 and would point to 15848 – TaLuft certificate existing will be still valid but new testing will be to 15848 – that is only for valves and not packing – (discussion on temperature classes) – Keep monitoring

c. EN 16752 – no activity

d. Emission Regulation

- i. Mexico issued draft of methane and hydrocarbon rule – Comments prepared for FSA response – translated and filed with the Mexican Government by Guillermo*
- ii. IED (Industrial Emissions Directive) BATIS (Best Available Techniques Information System) and Brefs – SEALING DEVICES REDUCTION OF FUGITIVE EMISSIONS DOCUMENT – new draft prepared by David Mitchell*
- iii. EPA Rule on Methane still in effect and Congress reaffirmed – Also Court action to keep Regulations in place*
- iv. States action monitoring: Pennsylvania (permit rule went into effect August 8), California, Colorado, Wyoming*
- v. Canada rule –issued on May 9, 2018 <http://laws-lois.justice.gc.ca/PDF/SOR-2018-66.pdf> - Focus on LDAR program starting page 28*
- vi. Alberta proposed regulation http://www.aer.ca/documents/directives/Directive060_Draft.pdf - comments submitted on May 28, 2018 – Fugitive leaks exception at 10,000 ppmv, argued for 500 ppmv*

e. WTO EGA

- i. Tariff trade wars – Problems on the horizon – confusion is dominant – Update from David Mitchell – **Henri** to share with notes*

f. EU Drinking water standards – EDW – Issue with relying on the Construction Product Regulation which does not address pumps or seals

g. Food contact Graphite – EC 1935/2004: Follow German regulation and declare compliance from ESA - Schunk Conducting migration test with also MAMAT involved – On-going activity for testing

h. EPA Clean Water – No action

I. PFOA Contamination

- i. EPA label PFAS 'hazardous' (polyfluoroalkyl substances) at National Leadership Summit and effort to designate PFOA and PFOS as "hazardous substances".**
- ii. 2020 regulation will list this as an SVHC with an acceptable threshold of 20ppb: <http://www.sgs.com/en/news/2017/06/safeguards-09717-eu-regulates-pfoa-and-related-substances-under-reach> .**
- iii. White paper on FSA and ESA packing not containing PFOA and PFOS, at least below a threshold following REACH regulations with limits of 25 ppb – question of what amount actually is in the "PFOA free" dispersions – amount in packing vs. dispersion – Review at Annual meeting – Daikin may have information – They are on the Membership committee target list**

j. Other

VI. Publications

a. Sealing Sense Articles

- i. Fire Test Standards- Matt Wasielewski - End of Year once 6FA progresses.**
- ii. 624 Standard Update- Guillermo (Empak)**
- iii. Compression Packing Handbook release. Carl – Henri to follow up with Ron and Carl**

b. Other

- i. Pump Engineer – Henri Interview with Editor**
- ii. Chemical Engineering**
- iii. BIC**
- iv. Flow control**
- v. KCI Valve World**

VII. Outreach Projects

a. Fluor/Canada – Not active

b. VMA -

c. A&M Pump Show – Booth at show - anyone there needed for presence

d. HI

- i. Guide books recommendation – Mechanical Seal handbook update - Commercial Buildings, packing write-up – Slurry Webinar – Condition Monitoring for rotary pumps – Engineering Data Book – Variable Speed Drive Webinar – Lunch and Learn variable speed drive on seals (primarily mechanical seals)at the October meeting in Montreal**
- ii. Potential co-location for the Fall of 2019**

e. Emission Summit – KCI Pump Summit Houston- Nothing much new besides drone emission monitoring with cameras - Relatively low attendance

f. Industrial Valve Summit 22/23 May 2019 in Bergamo – David invited to Advisory Board – Limited presentations new format

g. API

- i. API 682 Meeting at Refining meeting only**
- ii. Fall Refining Meeting –Gasket testing standard update – Issue with higher temperature and safety with methane – Should be good time to get updates**

h. Power Gen – no plan

i. Chinese Packing and Gasket Association – Keep channels open

j. Indian Sealing Association – Monitor

k. STLE – Henri Interview for TLT magazine primarily on mechanical seals

l. BHRG David to monitor

- m. Pump Summit with valve world 27-29 of November 2018 in Dusseldorf – Friction project final formulation and LCC abstract submitted – David sent inquiry to find out the status – Presentation still important to start*
- n. EDF PPrime sealing workshop*

VIII. New Business

- a. Membership – Inquiry from Russian manufacturer – membership packet sent*
- b. Daikin – Ron to contact*

IX. Next Session

- a. Tuesday October 9th, 2018 9:00 AM EDT*

X. Adjourn

hva 09/10/18