



**COMPRESSION PACKING
WORKING GROUP
Go-to-Meeting Conference
January 26, 2018**

Present:

María García Gorrichategui - Montero Fye S.A
Michael Hamoy – John Crane
Antonio Morales - Empak Spirotallic
Lee Gillette – WL Gore
David Mitchell – ESA
Ralf Vogel – Burgmann Packing
Phil Mahoney – A.W. Chesterton
Mike Kupin – Garlock Sealing Technologies
John Morton – John Crane
Guillermo San Martin - Empak Spirotallic
Henri Azibert - FSA (603) 475-4335

laboratorio@monterofye.com
Michael.Hamoy@johncrane.com
technology@empak.com.mx
lgillett@wlgore.com
daemitch@btinternet.com
ralf.vogel@burgmannpackings.ie
Phil.Mahoney@chesterton.com
mike.kupin@garlock.com
John.Morton@johncrane.co.uk
ingenieria@empak.com.mx
henri@fluidsealing.com

Absent:

Chris Boss - Garlock Sealing Technologies
Ron Frisard - A.W. Chesterton
David Edwin Scott – ESA
Greg Raty – Slade
Lewis Geoffrey – Dupont
Hans Dekker – A.W. Chesterton
Carl Jones – WL Gore
Jim Drago - Garlock Sealing Technologies
Francesca Torriani - General Packing
Martin Coulthard – James Walker
Linda Finnegan – New England Braiding
Thomas Jessup – EGC
Rob Garlock – EGC
Patricia Pichardo – Empak
Mark Neal – ESA
Jakub Marczyk – James Walker
Laverne Fernandes - Garlock Sealing Technologies
Jeff Bernthisel – EGC
Mark Richardson – James Walker
Arthur Hernandez – Nippon Pillar
Larry Sheffield – Inertech

chris.boss@garlock.com
Ron.Frisard@chesterton.com
david.edwincott@europeansealing.com
graty@slade-inc.com
Geoff.Lewis@dupont.com
hans.dekker@chesterton.com
chjones@wlgore.com
jim.drago@garlock.com
francescatorriani@generalpacking.com
martin.coulthard@jameswalker.biz
Linda@anti-keystone.com
thomjessup@egc-ent.com
robertg@egc-ent.com
desarotecno@empak.com.mx
markneal@europeansealing.com
jakub.marczyk@jameswalker.biz
laverne.fernandes@garlock.com
jeffb@egc-ent.com
mark.richardson@jameswalker.biz
arthur.hernandez@nipponpillar.com
larrysheffield@inertech.com

- I. **Approval of Agenda**
- II. **Handbook**
 - a. **Reformat of existing material – Last session January 17 – next session February 1 – Still to do:**
 - i. **Standards summary and spreadsheet link**
 - b. **New Material**
 - i. **Environmental controls - Power consumption - Differences between packing and mechanical seals - Spreadsheet on standards**
 - c. **Review Process – Send to distribution list of meeting for first review – Target beginning of February – Give about one month for review time – Then incorporate comments and go through formal process to Technical Coordinating Committee and Voting members at FSA – For ESA send for comments for approval – Go to Compression Packing Members then to all the Technical Directors**
- III. **Joint FSA ESA Projects-**
 - a. **Pump Packing Friction Study**
 - i. **Complete**
 - ii. **Question about money due to CETIM for latest tests on carbon packing – David checking on it**
 - b. **LCC**
 - i. **Ryan Neris from Ergoseal working with Mark Savage on revising the spreadsheet program – Slow but steady progress**
 - ii. **Change of the LCC platform – No Schedule yet**
 - c. **Valve Packing Study**
 - i. **Presentation from CETIM and Spreadsheet – make it a bit more user friendly – Need to put comments together to relate back to Hubert – Will need to have working group meeting – Should schedule before the Annual meeting most likely in connection with the ESA – PD 002 standard face to face meeting**
 - ii. **Still under consideration: Two more tests with different variables – Two different Packings and two different installation methods - Should get more information by the annual meeting 15 to 17 of May**
 - d. **ESA – PD 002 (BS 4371) – updated draft from David - Provide draft of the document without Appendix to MSS: Phil talked to Greg Johnson and Jim Barker – Plan on sending draft next week - give draft before MSS meeting in April - David has new draft with updated table for the different yarns and lubricants. It is much easier and a lot less restrictive as far as specific content. Ralf is currently reviewing it – Then will be sent for circulation – Face to face meeting in Europe with video link to include FSA members – Time around end of February – will need to work around HI meeting – Ralf and David to find convenient time**
- IV. **Education projects.**
 - a. **FSA Webinar(s) Plan is one per quarter goal – Phil has possibility to do a series on bolt lubrication – Try to plan with Ron – Applies to gaskets as well as packing – one part on the lubricant, one part on the application method. All this material needs to be collected for the KnowledgeBase**

- b. *Valve World Training – Presentation material on SharePoint – Phil followed up with André for next June – Working with the staff – open to also have Mechanical Seal training*
- c. *ESA Packing training material*
 - i. *ESA working on the animations and voice over – Back to the top of the list – Add photos and material – Plan to have something for the Annual May meeting*
 - ii. *Delivery/platform method is in question and still needs to be determined – David to talk to web developers– Speed of viewing and cost of development - KnowledgeBase?*
- d. *KnowledgeBase*
 - i. *Sealing Sense Articles Repository – in Progress for Mechanical seal articles – Possibly packing next*
 - ii. *Folder set up on SharePoint to gather material – keep posting material – Best to use a common template – Work in progress folder and released file folder set up*
 - iii. *ESA Participation – Executive Committee review – Meeting on March 7*

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*
 - ii. *621 reconditioning was up for ballot – Did not pass - resolution required – Task force changes – Mike answered certain questions – in progress – This was only one of the topics on the list to be resolved – there might be more*
 - iii. *641 Clarification requested by Phil – Definition about emission measuring equipment and capability – Checking with test Facilities now*
 - iv. *608 to require 641 testing*
 - v. *624 – Testing for same product not required from every manufacturing site – Draft circulating requiring 622 testing 3rd edition – all three tests required: emission, corrosion, chemical – Moving test temp from 500 to 600⁰F – Then what about previous test results? Some questions need resolution concerning acceptability of previous testing? Current discussion on effect of changes such as location of manufacture, adding or removing live loading, changing bushing, etc. Meeting on February 8 – Text to specify packing must pass 622 3rd edition and 2d edition results valid if less than 100 PPM with no retorque – If valve was qualified 624 with 1/8 packing does it have to have 622 testing? Phil will bring topic up.*
- b. *ISO 15848 – no activity*
- c. *EN 16752 – no activity*

d. Emission Regulation

- i. EPA Rule on Methane still in effect and Congress reaffirmed – Also Court action to keep Regulation in place*
- ii. States action monitoring: Pennsylvania, California, Colorado, Wyoming*
- iii. Canada rule – Beginning 2018 – No update*
- iv. Alberta issuing regulations – Go primarily after high leakers, end users push back – High leakage levels were considered for small processing facilities in Western territories*
- v. IED (Industrial Emissions Directive) - ESA updating Emissions Reduction Document and Sealing BAT added to is Best Available Techniques Information System (BATIS)– IPPC document also posted with IED requirements - Position paper from ESA on sealing technology to reduce fugitive emissions (BATIS) accepted on waste gas chemicals — Generic discussion on sealing devices and what to be expected – Should be included in the BREFs – New rules require local authorities to license plants Excellent results so far*
 - 1. BAT sealing technology document was updated and renamed emission reduction document – Working with Mechanical seal - Elastomeric and Polymeric seal have meeting scheduled – Packing section OK – Making good progress*
 - 2. Scope of classifications are being clarified - Definitive scope of Waste Gas Chemical BREF changed - Large volume organic gas chemical document exists – Large volume inorganic chemicals scope needs to be changed*
- e. WTO EGA limited activity*
- f. EU Drinking water standards – EDW –Local individual states (Germany) want to have more stringent test – One country that wants individual testing is Germany but looking for harmonization – Testing based on international standard has not been accepted – need new Drinking Water Directive meeting on 23 of February to work on harmonized test - Trying to go with a German test*
- g. Food contact Graphite – EC 1935/2004: Follow German regulation and declare compliance from ESA - Annex to be updated as carbon graphite is missing – Migration test for complete assembly – Still no idea on how this applies to Compression Packing or Gaskets – Dialogue is on-going*
- h. EPA Clean Water – No action*
- i. PFOA Contamination – No action*
- j. Other*
 - i. Phil has been working with the CMES – Still on-going*

VI. Publications

- a. Sealing Sense Articles*

- i. *Bolting and Lubricants (Trish/Phil) – work on webinar first, and then will have all the material*
 - ii. *Other -*
 - b. **Other**
 - i. *Pump Engineer*
 - ii. *Chemical Engineering*
 - iii. *BIC*
- VII. **Outreach Projects**
 - a. *Fluor/Canada*
 - b. *VMA – Technical meeting 2018 -*
 - c. *A&M Pump Show –*
 - d. *HI -- Guide books recommendation – Mechanical Seal handbook update - Commercial Buildings, packing write-up – Slurry Webinar – Condition Monitoring for rotary pumps – Engineering Data Book – Next meeting on February 26*
 - e. *Emission Summit – June 2018 – <http://americas.fugitive-emissions-summit.com/>*
 - f. *KCI Pump Summit – next June 2018 – Henri to do keynote session on Standards – Phil talking to André about training classes*
 - g. *Industrial Valve Summit 22/23 May 2019 in Bergamo*
 - h. *API – 682 new Chair and vice chair*
 - i. *Power Gen – no plans*
 - j. *Chinese Packing and Gasket Association – Keep channels open – Alberto meeting with Chinese contact next week for potential ESA annual meeting invite*
 - k. *Indian Sealing Association – Monitor*
 - l. *STLE – 2018 Annual Meeting - May 20-24, 2018 Minneapolis Convention Center - Presentation Submission Site for 2018 Tribology Frontiers Conference now open, October 28-31, 2018 at the Drake Hotel in Chicago*
 - m. *BHRG – 24th Fluid Sealing Conference – 3/7-8/2018 Manchester UK - ESA sponsored paper on elastomers to be presented*
- VIII. **New Business**
- IX. **Next Session**
 - a. *February 23rd, 2018, 9:00 AM EST*
- X. **Adjourn**

hva 01/26/18