



**COMPRESSION PACKING
WORKING GROUP
Go-to-Meeting Conference
February 2, 2017**

Present:

Mike Kupin – Garlock Sealing Technologies
Lee Gillette – WL Gore
Antonio Morales - Empak Spirotallic
David Mitchell – ESA
Chris Boss - Garlock Sealing Technologies
Linda Finnegan – New England Braiding
David Edwin Scott – ESA
Greg Raty – Slade
Martin Coulthard – James Walker
Hans Dekker – A.W. Chesterton
Phil Mahoney – A.W. Chesterton
Guillermo San Martin - Empak Spirotallic
Ralf Vogel – Burgmann Packing
Henri Azibert - FSA (603) 475-4335

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Absent:

Jim Drago - Garlock Sealing Technologies
Ron Frisard - A.W. Chesterton
Carl Jones – WL Gore
Larry Sheffield – Inertech
Laverne Fernandes - Garlock Sealing Technologies
Rob Garlock – EGC
Jeff Bernthisel – EGC
Mark Neal – ESA
Mark Richardson – James Walker

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- I. Approval of Agenda**
- II. Handbook**
 - **Reformat of existing material**
 - **Meeting with Phil, Ron and Henri next week to organize the next step with figures and changes**
 - **Establish a list of all the changes to incorporate**
- III. Joint FSA-ESA Projects**

- a. **Pump Packing Friction Study**
 - i. Friction formula to be added to the handbook (**Henri**)
 - ii. ESA has Division money for one more test. Would we want to do another carbon graphite packing? We had variations in results. Phil and Hans could provide packing with very strong guidance on installation method. Cross section 10 mm. Possibly visit CETIM at the time of test. All OK. **David** to contact Didier, and find out testing time window, **Phil** to send Packing.
 - b. LCC
 - i. Next on list
 - c. **Valve Packing Study**
 - i. Discussion with Hubert Lejeune – History and future plans. Two more packing tested where we will have results. But need tool on calculation method, friction/sealing level/torque. Could have ESA FSA guidance on stuffing box design. So far graphitic packing and PTFE packing. **David** to provide info on construction type of packing, reinforcing material, etc. Style number.
 - ii. Proposal before the end of February – Might want to involve Valve Manufacturers associations – eventually get this into European standard
 - iii. Confirm deliverables for project.
- IV. **Education projects**
- a. **FSA Webinar(s)**
 - i. Webinar on power consumption presentation. **Henri and Ron**
 - ii. Feedback: thorough evaluation.
 - iii. Recording available.
 - b. **ESA Packing training material**
 - i. Animations – voice over – need to draft narrative – plan to have something for the ESA meeting in May. Some progress. Need to incorporate animation in existing material. Voice over still required.
 - c. **Knowledge Base**
 - i. Structure created – Mechanical Seal group populating data base now – Launch scheduled for April 2017
 - ii. **Henri** to demonstrate during next session
 - iii. Folder in SharePoint to start collecting material.
- V. **Standards & Regulations**
- a. API 622 – 640 - 641- 602 – May 8th Spring meeting Las Vegas – Mike Kupin will attend – Notify API that we are working on SWG testing standard – **Henri** to send background Info and scope to Mike. Phil also plans to attend.
 - b. The API-623 last ballot was last fall. On Dec 20th the API task force decided to send a survey to packing manufacturers on recommendation for surface finishes, clearance factor and lantern ring design. The survey was sent and answered in January.
 - c. ISO 15848 – Nothing new
 - d. BS 4371 – Draft 3 incorporating comments and changes agreed to at last divisional meeting and additional information received since then – New number assigned ESA – PD 002

- e. *Next draft in about a week. Circulated to normal ESA task force. If anyone else wants copy let David know. There is a clause on tolerances by cross-section.*
 - f. *The British Standard is too old for review. It will be the base for the new document.*
 - g. *David to send draft to Henri for FSA circulation*
 - h. *EN 16752 – All set*
 - i. *EPA - 40 CFR Part 60 - Oil and Natural Gas Sector: Emission Standards for New and Modified Sources – Legal challenge – Request for information on Existing sources – Reply sent and submitted to EPA. Uncertainty due to political climate change – Refocus on efficiency (maybe!).*
 - j. *Contact with Canada and Pennsylvania*
 - k. *WTO Environmental Goods – On hold at this point – ESA/FSA Meeting on HS code January 23 – Good agreement on HS codes for EGA. Agreement will be documented and distributed.*
 - l. *EU Drinking water standards – Lots of activity – New Chairman issued position paper for one single test – David (Mitchell) to send to Henri for circulation. Document on 1/19 on what the test should be for the various materials – Close to getting Testing agreed – Previous document withdrawn. One single test goal. Next meeting February 22. Might get agreement on at least having one test in a country valid in others.*
 - m. *Food contact Graphite – (EC) No 1935/2004 (Mechanical Seal Presentation) Nothing new to report*
 - n. *EPA Clean Water – Nothing new*
 - o. *PFOA Contamination – Monitoring –*
 - p. *Other*
- VI. Publications**
- a. **Sealing Sense Articles**
 - i. *Valve Sealing as a System. Chris Boss*
 - b. **Other**
 - i. *Pump Engineer – Consultant’s corner – April issue*
 - ii. *Also bi-monthly article – Could also check with Mechanical Seals – Perhaps ESA does 4 articles, FSA 2 articles. Could do article on friction project and need to see with ESA members participation on a regular basis – Henri to confirm 2 FSA article - David to contact KCI and copy Henri*
- VII. Outreach Projects**
- a. *VMA – Technical meeting – New Chair – Focus on extreme application pressure temperature, manufacture and material this year. Emissions returning in 2018*
 - b. *A&M Pump Show – Nothing scheduled for 2017*
 - c. *HI – Guide books recommendation – Commercial Buildings*
 - d. *Lunch and Learn Stuffing box design, cross section vs. depth, lantern ring location – Mention at next HI meeting (Ron)*

- e. *Emission Summit – Every other year - next one in 2018*
- f. *Valve World/Pump Summit – Presentation posted in SharePoint*
- g. *Valve World US – June 20, 21, 2017 Possibility of holding Technical meeting at the same time –*
- h. *Industrial Valve Summit – 14 Abstracts received for valve sealing – Good mix and interesting 11 papers in Valve sealing – 3 papers in legislation session on emission– May 24, 25. Bergamo, Italy.*
- i. *API – Nothing planned now*
- j. *Power Gen – Nothing planned now*
- k. *Chinese Packing and Gasket Association – Reaching out for potential cooperation and interaction – WTC - Also inquiry from Indian Sealing Association – Jim will be in February for the Chem Tech conference – Jim can represent FSA there – Check with Managing Director.*
- l. *World Tribology Conference - in September in Beijing. Abstract submitted centrifugal compressor seals – Plan to establish contact with Chinese Sealing Association*
- m. *STLE – Packing friction study? Phil to talk to Shifeng Wu about packing friction, pump or valve.*
- n. *VDI organized Networking Pump Systems conference, Dusseldorf in June. Ralf and Didier working on presentation mostly on testing procedure itself – Presentation started, waiting for Didier on data acquisition and instrumentation details*

VIII. Technical Meeting

- a. *Joint with Valve World USA - Sounds like a good possibility – Sounds good – June 19 Gaskets TC – June 20/21 VW USA – June 22 Packing TC and One Day Hands On training course Gaskets and Packing*

IX. New Business

- a. *Contact with Fluor Engineering –*

X. Next Session

- a. *Tuesday February 28, 9:00 AM EST*

XI. Adjourn

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