



Packing Working  
5/7/20  
Ron Frisard Chairman

Group Meeting Notes  
Packing Division

Attendees:

Jim Drago (jim.drago@garlock.com); 'Jakub Marczyk' <jakub.marczyk@jameswalker.biz>; markneal@europeansealing.com; Boss, Chris <Chris.Boss@Garlock.com>; Thom Jessup <ThomJessup@EGCgraphite.com>; Linda Finnegan <linda@anti-keystone.com>; Cole, Gregory <Gregory.Cole@chesterton.com>; Hope Silverman (hope@mmco1.com); 'Kathy Johnson' <KXJohnson@johncrane.com>; MSAVAGE@johncrane.com; Greg Raty <graty@slade-inc.com>; Larry Sheffield <larrysheffield@inertech.com>; Mahoney, Phil <Phil.Mahoney@chesterton.com>; ralf.vogel@burgmannpackings.ie; Brittney Kelly Chesterton; Mike Kupin;

Topics:

a) Sealing sense articles:

- a. Finished article for June article. \*\*
- b. We still need one for October issue (need by end of July) – some topics:  
Possible ideas: Update to the LCC with packing calcs / PFOS legislation / Sealing Sense Article to promote Finished Knowledge base /
- c. Packing installation / inserting – consolidation? - Kathy?
- d. Temperature range / PTFE range in valves? Extra long bodies (solar molten salts) – Jim. Get a FSA group consensus on the subject. – Send email out about it..

b) Handbook

- a. Update on Spanish version –
  - i. Where to go from here
- b. Schedule meeting to get into FSA knowledge : Linda Larry meeting – 20<sup>th</sup> of May – afternoon. Kathy invite. Thom. done

c) ESA Packings Standard Draft 7

- a. Comments (Jim and others) – thom mentioned more data about the innonel. Will look into.

d) Webinar series

- a. Select 2 dates this month on packing and schedule webinars

b. Will email Brett and create a date – schedule something soon. Doing one same as Fugitive emissions conference. – Scheduled for June 9<sup>th</sup> and 10<sup>th</sup>.

c. Fee? \$25 dollars

d. Subjects? FSA gasketing short course / Emissions Valve installation

e) PFOS/PFOA legislation

a. Gov on the 13<sup>th</sup> May. Regular agenda item. Forward you invite to team.

Next packing meeting:



Packing Working  
4/9/20  
Ron Frisard Chairman Packing Division

Group Meeting Notes

Agenda for meeting:

Members present:

Jim Drago (jim.drago@garlock.com); 'Jakub Marczyk' <jakub.marczyk@jameswalker.biz>; markneal@europeansealing.com; Boss, Chris <Chris.Boss@Garlock.com>; Thom Jessup <ThomJessup@EGCgraphite.com>; Linda Finnegan <linda@anti-keystone.com>; Cole, Gregory <Gregory.Cole@chesterton.com>; Hope Silverman (hope@mmco1.com); 'Kathy Johnson' <KXJohnson@johncrane.com>; MSAVAGE@johncrane.com; Greg Raty <graty@slade-inc.com>; Larry Sheffield <larrysheffield@inertech.com>; Mahoney, Phil <Phil.Mahoney@chesterton.com>; ralf.vogel@burgmannpackings.ie; Brittney Kelly Chesterton; Mike Kupin;

A) Sealing sense articles:

- a. We are in good shape for the June with an article written by Brittney Kelly and myself. Sending it out for review in next week.
- b. We still need one for October issue (need by end of July) – some topics: Possible ideas: Update to the LCC with packing calcs / PFOS legislation / Sealing Sense Article to promote Finished Knowledge base /
- c. ESA/FSA – PFOA-PFOS ~ Getting a lot of press. Hot.critical chemicals – July legislation in euro. Might be effective/delayed by coveted. 25 PPB limit. How will it be enforced ? measured? Leaching? Full sample? Can you detect it. Maybe from the water itself – then added to the packing. Unintentionally added. We are all playing from the same procedure. July 4<sup>th</sup> 2020 tentively in REACH agreement. (POP reg?) Polutant regulation EU / REACH.

B) Cancellation of technical meeting

C) PFOS/PFOA legislation

- a. The House bill - <https://www.congress.gov/bill/116th-congress/house-bill/535/text>
- b. What the Packing group should do about this
- c. Rolf – ESA already long time ago / members 3M PFOA free. China / India – Qualities PFOA. Threshold changes – ppb vs ppm. Made the change – Varies. Mark – Schedule meeting with Gov group on Lisa.

D) Training opportunities

- a. Fugitive emissions summit (?) – Packing training – Reach out about having another session. Phil going / June 16<sup>th</sup> -17<sup>th</sup>. Is this going to happen? Talked with group before COVID / POSTPONED look at 4<sup>th</sup> quarter 2020 might be a overlay – looking at September.
- b. Webinar possibilities
- c. Others

- d. Small 2 minute videos – Come up with a few topics and get them done.  
Add Knowledge base.
- E) Handbook
  - a. Update on Spanish version – Where is the version – waiting to hear from Juan an Enpak. He said it was complete and emailed him to see when he will get it to us to put on website when done.
  - b. Update on putting the sections into Knowledge base
  - c. Linda / Larry / Ron met – ran into software issues. Sent email and hear back something but software guy at FSA has left. Need to circle back.
  - d. Marketing group promoting guide – Joe B. in charge / 2020 to get more promotion for group.
- F) Story about BAA -Success story told last meeting we are incorporating into article on arrangements.
- G) ESA Packings Standard Draft 7 standards meeting tables yarns / strength / break strength / shrinkage. Table – does not make sense of yarns. Creep should be related to packing product. Suppliers of yarns ~ tracking some of the vendors. Basically filled the tables with knowledge on web-data. Packing creep. AMEK on creep of packing. Incorporation univ of stutgard. Project on creep testing. More then 3000 hours. Some values for 3 materials. Did they use the same fixture? Sponsor doing new testing with. Good vs bad packings. Testing standard for pump packing performance testing.. MSS looking at this also. Covers all packing and API packing. British standard could be a roadmap. 4 of May.. Need comments.
- H) Open topics
  - a. How is everyone handing COVID?



Packing Working  
3/21/20  
Ron Frisard Chairman Packing Division

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a. Sealing Sense articles

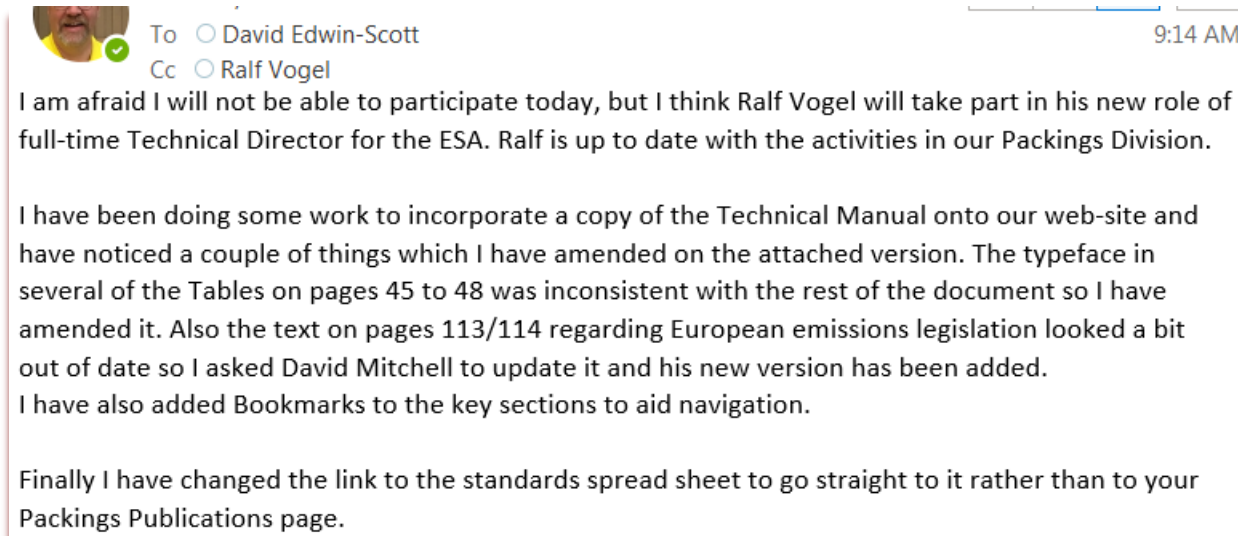
- a. Cover what the schedule is for Packing and any topics we have in the near future
- b. Pump packing arrangement / installation. For June article – Brittney. 2 Weeks prior to that date. Possible ideas: Update to the LCC with packing calcs / PFOS legislation / Sealing Sense Article to promote Finished Knowledge base


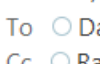
2/19/2020	May		Advantages and disadvantages of various materials used in ducting	EJ	Steve Tippet	Textiles Coated International	Marty Rogin	<a href="mailto:martyr@metraflex.com">martyr@metraflex.com</a>	
3/25/2020	June		Compression Packing Installation	CP	Kathy	John Crane	Kathy Johnson	<a href="mailto:KXJohnson@johncrane.com">KXJohnson@johncrane.com</a>	
4/22/2020	July		Developing a gasket test standard	Gaskets	??	??	Ron Frisard	<a href="mailto:Ron.Frisard@chesterton.com">Ron.Frisard@chesterton.com</a>	
5/26/2020	August		High temp equipment with differential thermal expansion	MS	Mark Savage/ Jason Ferris	John Crane/Flowserve	Jason Ferris	<a href="mailto:jferris@flowserve.com">jferris@flowserve.com</a>	
6/22/2020	September		Concurrent movement	EJ	Lloyd Annonson	General Rubber	Marty Rogin	<a href="mailto:martyr@metraflex.com">martyr@metraflex.com</a>	
7/22/2020	October		??	CP	??	??	Kathy Johnson	<a href="mailto:KXJohnson@johncrane.com">KXJohnson@johncrane.com</a>	
8/28/2020	November		??	Gaskets	??	??	Ron Frisard	<a href="mailto:Ron.Frisard@chesterton.com">Ron.Frisard@chesterton.com</a>	
9/23/2020	December		Boiler feed applications	MS/CP		John Crane Flow serve Chesterton	Jason Ferris	<a href="mailto:jferris@flowserve.com">jferris@flowserve.com</a>	

- c.
- b. LCC Calculator with updated packing calculations (Mark to update)
  - a. It is currently – time towards it. ? Setup meeting on finishing /
- c. Knowledge base – Packing
  - a. Articles are in there / Manual not in there / what else do we want in there? Smaller bit sized trainings slides? Put anything in there. 2 min videos on installing packing / cutting rings / etc. Expansion joints video as a templete.
- d. Handbook
  - a. Update on Spanish version – Where is the version – Ron Frisard to find out. Put on website when done.
  - b. Update on putting the sections into Knowledge base
    - i. Linda / Larry / - after next Wednesday.. Date..
  - c. Marketing group promoting guide – Joe B. in charge / 2020 to get more promotion o four group.
  - d. Story about BAA -Success story.

- e. New update from Dave at ESA
- f. ESA – FSA on update BS standard on progress – ESA. Luke from the MSS Standards. Rolf – David talked with him – Chemical supplier – PTFE side. Input from manufacturers. Invite to discussion about standard.

g.

An email screenshot showing a message from David Edwin-Scott to Ralf Vogel. The message discusses the sender's inability to participate in a meeting, the role of Ralf Vogel as the new Technical Director, and updates to a Technical Manual, including amendments to tables and European emissions legislation, as well as the addition of bookmarks and a new link to a standards spreadsheet.

To  David Edwin-Scott  
Cc  Ralf Vogel

I am afraid I will not be able to participate today, but I think Ralf Vogel will take part in his new role of full-time Technical Director for the ESA. Ralf is up to date with the activities in our Packings Division.

I have been doing some work to incorporate a copy of the Technical Manual onto our web-site and have noticed a couple of things which I have amended on the attached version. The typeface in several of the Tables on pages 45 to 48 was inconsistent with the rest of the document so I have amended it. Also the text on pages 113/114 regarding European emissions legislation looked a bit out of date so I asked David Mitchell to update it and his new version has been added. I have also added Bookmarks to the key sections to aid navigation.

Finally I have changed the link to the standards spread sheet to go straight to it rather than to your Packings Publications page.

h.

- e. PFOS/PFOA legislation
  - a. The House bill - <https://www.congress.gov/bill/116th-congress/house-bill/535/text>
  - b. What the Packing group should do about this
  - c. Rolf – ESA already long time ago / members 3M PFOA free. China / India – Qualities PFOA. Threshold changes – ppb vs ppm. Made the change – Varies. Mark – Schedule meeting with Gov group on Lisa.
- f. Training opportunities
  - a. Fugitive emissions summit (?) – Packing training – Reach out about having another session. Phil going / June 16<sup>th</sup> -17<sup>th</sup>.
  - b. Webinar possibilities
  - c. Others
  - d. Small 2 minute videos – Come up with a few topics and get them done. Add Knowledge base.
- g. New business – Late April 28<sup>th</sup> 29<sup>th</sup> – Atlanta GA. Hope March 27<sup>th</sup>.  
Next meeting 10:00AM Wed Feb 19<sup>th</sup>...



Packing Working  
2/19/20  
Ron Frisard Chairman

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Packing Division

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Topics:

- 1) Sealing sense articles:
  - a. June 2020 – Due March 25<sup>th</sup> / Joint article Britney Kelley and Ron Frisard on Stuffing box arrangements including pressures needed for flush. Including story from Oil Sands / Engineering Firm. Britney and I meeting later today to draft out the article.
  - b. October 2020 – Due July 22<sup>nd</sup> / Need topic and writer. Any ideas?
    - i. Possible ideas : Update to the LCC with packing calcs / PFOS legislation / Sealing Sense Article to promote Finished Knowledge base. General on materials used – Fibers – difference between graphite and PTFE. (from Jim idea). Back to basics on fibers / construction, etc. Yarns / blocking agents.
- 2) Knowledge Base – Packing
  - a. Trying to schedule meeting with Larry, Linda and Ron for later this week or early next week to get this completed. Should not take much time! All articles are in there from sealing sense.
  - b. I have drafted 2 small 2-minute videos to shoot on packing rings installation (1 video on cutting and 1 on tamping/ rotating rings). Discuss review?
  - c. Slides for LowE valve packing training last year – going to add to Knowledge hub.
- 3) Handbook update
  - a. Spanish version / looked into it and found Antonio was in charge of that before his death – have asked Juan about an update.
  - b. Have the ESA's update to manual – will move it on the website (from David Edwin-Scott)
- 4) ESA Update:
  - a. Read the January update from the ESA. Few things to point out:
    - i. The ESA is meeting a working group on BS 4371 update project on 12<sup>th</sup> March.
      1. From Phil – updated spec / April 16<sup>th</sup> in person meeting. Progress happening.
    - ii. Environmental Goods Act (EGA) and USA Trade Import duties
      1. Sealing Devices appear to be on "A" list for EGA

2. Paris Climate Change Agreement. New meeting held in Madrid, agreed targets for 2050, which seems weak.
  3. USA retains 25% import duties on all steel products.
  4. USA/China tariff trade war seems to be improving. Tariffs have been reduced to 7.5% on \$120bn worth, but 25% remains on \$250bn. China agreed to increase purchases on Industrial components and farm goods.. China retains tariffs on \$100bn worth. No timeline yet!
  5. Mexico, Canada NAFTA agreement. Steel tariff stopped
  6. US imposing up to 25% tariffs on Mexican goods \$352B
  7. USA imposing \$11b tariffs on EU Wine, Whisky, Cheese etc because of subsidies to Airbus to Boeings disadvantage. EU retaliation 20B Euros on US goods.
  8. ESA has begun a new initiative on single use plastic packaging materials. John Morton asking for feedback. ?  
<https://www.europeansealing.com/the-esa-initiative-to-reduce-plastic-waste/>
  9. Lisa Ceglia FSA Government group, following up with USTR.
  10. With UK leaving UK will tariffs on EU goods be dropped by USA?
- iii. European Drinking Water directive DWD 98/83/TC
1. New EDW web site has all activities shown and explanations for documents. Worth a visit.
  2. EDW suggest tests for assemblies as well.
  3. Proposed options issued, with recommendation to follow option 3. ESA not happy with CPR route as no sealing device test/ standards exist under CPR
  4. Clarification note written on what CPR means..
  5. ESA responded to EDW request stating this leaves sealing devices without standard test, but supporting EDW as it is best option.
  6. EDW has responded to Commission Implementing Decision on drinking water policies.
  7. EU Council common position on DWD now issued. Negotiations between European Parliament and Council lead to a final DWD being issued 18.12.19.
  8. Final negotiations between European Parliament and Council expected to lead to final DWD being issued by May 2020 at the latest.
  9. In meantime current tests remain in place..
- 5) PFOS/PFOA legislation
- a. The House bill - <https://www.congress.gov/bill/116th-congress/house-bill/535/text>
  - b. Nothing new
  - c. Look into gov Affairs meeting notes.
  - d. PFOS /PFOA already on Reach list. July / PTFE new 2019/1021 standard. Many PTFE makers wanting to know how to measure those low limits.
- 6) Training opportunities
- a. Fugitive emissions summit – Packing training – Reach out about having another session. Phil going / June 16<sup>th</sup> -17<sup>th</sup>.
  - b. Talked with KCI and they are very interested again. Also doing an FSA Presentation about “what can the FSA do for you!” – Speakers corner.



- i. Need to be on the website for Fugitive emissions. Their own is on the Monday.  
During the conference or on Monday.
  - c. Webinar possibilities.
  - d. Others
  - e. Small 2 minute videos – as mentioned earlier. Add Knowledge base.
- 7) Technical meeting
  - a. Dates: Late April 28<sup>th</sup> 29<sup>th</sup> – Atlanta GA. Hope March 27<sup>th</sup>.
  - b. What do we want to discuss. Ron F not going.
  - c. Gasket meeting – no one is going from the call.
  - d. Seals / Expansion joints going – check with hope. Bad month – MSS/VMA / bad timing.  
During valve world – surely do it then! During the FE Summit. Propose that idea.
- 8) New business – Rob Garlock coming to FE summit!
- 9) Next meeting.. March 16 week... When I do it..