

## **Minutes from September 5, 2018 EPC Feedstock Contaminants Subcommittee**

Next Meeting – September 19, 2018 Afternoon

### Agenda

1. Review and finalize agenda (all)
2. Reading of anti-trust statement (Mark)
3. “No activity of the Committee shall involve the exchange, collection or dissemination among competitors of information or be used for the purpose of bringing about or attempting to bring about any understanding or agreement written or oral, formal or informal, express or implied, among competitors, with regard to costs, prices, or pricing methods, terms or conditions of sale, distribution, production quotas or other limitations on either the timing or volume of production or sales, or allocation of territories or customers.”
4. Review Meeting Minutes (attached below)
5. Update from EPC – We now have access to confex.
6. Updates on proposed papers/topics

### Attendees

David Hood - Suez  
David Smith - Nalco  
Jennifer Nill – CP Chem  
Robert Alvers – LyondellBasell  
Tom Pickett - Technip  
Andre Bernard - Nova  
Sherri Elder – Chemtreat  
Joe Lally -Evonik

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From the past meeting minute review

Follow up needed with Ernesto Angueira at CRI on contaminant recycle.

Recycle and the effects of contaminants is interesting for us, Dave Slim and Steve Coleman may have some ideas on this topic, check if they would be interested in working this.

As a group we asked about recycle of DeC4 columns

-Dave Smith is looking into a topic with carbonyls, looking for an ethylene producer to author/co-author. Lighter feeds à longer residence time. Dave Smith to follow up

-Andre Bernard is looking at C4 recycle- There is some at lab work that may have some data that is interesting to present.

James Ondyak from Dorf Ketal offered to present a review of sulfiding agents and/or new passivation techniques would fit this session.

-Ask for abstract and review in this group - Joe

Patrice Bourrier from Alfa Laval expressed interest in presenting information about fouling issue in quench water system.

-Tom is following up on this as Europe comes back to work after summer holidays.

From Confex:

T4 543908: Green Oil Removal from Ethylene Plant Backend Hydrogenation Unit

Abstract:

Proprietary Gas/Liquid Coalescer With Surface Treated Media Cartridges developed, tested, and installed downstream of an Acetylene Hydrogenation Reactor is found to match the removal performance of the Green Oil Wash Absorber; thus, eliminates the need to use recycle wash ethylene solvent stream.

Replacing the Green Oil Wash Absorber with a two-stage Proprietary Gas/Liquid Coalescer System results in increasing ethylene plant production by 5-10% and corresponding increase in plant profitability.

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We plan to hold this abstract and see what else pops up. There is a paper from Pall Corp that may be a duplicate. Tom Pickett provided a link to that paper and Sabah is one of the authors. [https://chemicals-polymers.pall.com/content/dam/pall/chemicals-polymers/literature-library/non-gated/HydroCarbon\\_Asia\\_\\_Jan2007\\_.pdf](https://chemicals-polymers.pall.com/content/dam/pall/chemicals-polymers/literature-library/non-gated/HydroCarbon_Asia__Jan2007_.pdf)