

Contaminants & Impurities in Ethylene Plants Subcommittee – December 15th, 2022 Meeting Minutes

Team Members

Mark Davis	X	Yong Wang	X	Robert Alvers	
David Smith		Joe Lally	X	David Hood	
Sherri Elder	X	Andre Bernard	X	Ross Perchuk	X
Mark Whitney		Scott Hailey	X	Lisheng Xu	X
Dwight Hines		Jennifer Nill		Debby Rossana	X
Omar Hamid		Vinay Naik	X		

1. Anti-trust statement

“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.”

2. New Member

- Mark Davis reached out to Richard Rolke regarding potential subcommittee membership from a 2nd Dow representative. The Dow engineer that expressed the desired to join the subcommittee is Matt Pretz. Matt is an R&D fellow heavily involved with Dow new dehydrogenation technologies. Mark being more involve in traditional cracking, including Matt in the subcommittee would bring a skill set related to an emerging technology. The team is in agreement to include Matt in the subcommittee. Andre will communicate with Matt and send him invite for the next meeting.

3. Key Dates & Updates from Main EPC Committee

- Paper acceptance/rejection -> December 9th, 2022. Complete in confex
- Acceptance notice sent to authors – 3rd wk of December. Acceptance rejection emails have been sent to authors.
- EPC Draft Schedule January 6th, 2023
- Program to go live January 13th, 2023

- Session chairs/co-chairs set presentation/ paper due dates – January/February
- Virtual Dry Run -> 2 to 3 weeks prior to the conference
- Conference -> March 12th to 16th in Houston

The Contaminants & Impurities in Ethylene Plants Session is scheduled for Tuesday March 14th 8:00 to 11:00 AM and will be in parallel to the Technology Fundamentals Session.

The following dates were provided by the EPC

Presentation Timeline	
Draft presentation due	January 20, 2023
Consolidate cold eyes review follow-up	February 10, 2023
Communicate cold eyes review feedback	February 17., 2023
Submit final presentation	March 1, 2023
Paper Timeline	
Submit draft paper	February 20, 2023
Communicate cold eyes review feedback (paper)	March 1, 2023
Submit final paper	March 12, 2023
Conference	Wk of March 13

We agreed to modify those dates per following:

Presentation Timeline

- Draft presentation for the Dry Run, schedule for Tuesday February 28th, 2023
- Consolidate cold eyes review follow-up & communicate cold eyes review feedback => Done as part of the Dry Run & Dry Run minutes (minutes to be issued 1 to 2days after the Dry Run)
- Submit final presentation – suggest 1 week prior to the conference (March 6th)

Paper Timeline

- Draft paper end of January
- 2 weeks after draft paper submission for cold eye review
- Final paper March 12th

The revised dates will be share with the authors (Andre to follow up).

4. Review Submitted Abstracts

A total of 9 abstracts have been uploaded in confex.

Yong requested transfer of the Baker Hughes abstract “Waste Plastic Pyrolysis Oil: Challenges & Solutions” by S.R. Pinappu and S. Murugesan, from the Circular Economy/ Decarbonization session to our session. The transfer was not done, and it was assumed that the paper would remain in the Circular Economy/ Decarbonization session.

The accepted papers will be schedule in the following order

1. Towards High-Quality Petrochemical Feedstocks from Plastic Waste Pyrolysisoils: Contaminant Removal Via Filtration and Its Impact on Steam Cracking. (Presenter: M. Kusenberg)
2. Impact of Recycled Plastic Composition on Honeywell's Upcycle Process Pyrolysis Oil for Steam Cracking Units. (Presenter: C. Anderle)
3. The Challenges behind Carbon Disulfide Removal in Naphtha-Derived Cuts (Presenter: H. Silva)

Note: The Technology Fundamental subcommittee expressed concerns relative to papers on plastic waste as they have a few papers related to this topic. We indicated that we would schedule our papers related to plastic waste #1 & #2 and suggested that they schedule theirs after break. This will prevent conflicts on this topic and makes it more effective for those interested in this topic.

The second half of the session will focus on sulfiding impacts and alternative to DMS/ DMDS:

1. Sulfur Chemicals for Ethylene Production. (Presenter: J. VanScoyoc)
2. Impact of Excessive Sulfur Dosing to Coil Material Deterioration and Ageing. (Presenter: D. Jakobi)
3. SULSAFETM Sulfiding Agent – Enhanced Performance for a Sustainable Operation. (Presenter: J. Boll)

The authors of the abstract “Advances in Purification of Monomers for Petrochemical and Polymerization Applications” were informed of our intention of transferring the abstract to our standby list for future consideration. The abstract has been rejected in confex and drops in the general pool and could still be claim by other session.

The Abstract “DMS/DMDS Overview” was uploaded in confex by the subcommittee as a contingency. Since the paper is no longer needed it has been rejected.

5. Review Potential Abstracts Transfer from/ to other Sessions

The abstract “Meeting New Specifications for CS₂ Removal from Petrochemical Naphtha Using Dividing Wall Column Technology” has been transferred to the Distillation Symposium after consultation with Henry Kister.

6. Other Business

Subcommittee link on the AIChE website does not seem to work anymore – Andre to follow up with AIChE.

7. Schedule Next Meeting

Next Meeting Jan 12th, 2023, 15h00 CST