

Contaminants & Impurities in Ethylene Plants Subcommittee – November 17th, 2022 Meeting Minutes

Team Members

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

- Vinay Naik (ExxonMobil) has joined the subcommittee.
- Richard Rolke (Dow) reached out to Mark Whitney relative to a Dow engineer expressing interest in joining the subcommittee. The bylaws from the main committee states 1 member per organization unless duplication in membership enhance the effectiveness of the subcommittee. Andre will share the request with Mark Davis (current Dow representative) to assess if such a duplicate in membership may apply.

3. Key Dates

- Call for abstract is now close
- Paper acceptance/rejection -> December 9th, 2022
- EPC Draft Schedule January 6th, 2023
- Program to go live January 13th, 2023
- Virtual Dry Run -> 2 to 3 weeks prior to the conference
- Conference -> March 12th to 16th in Houston

4. Updates from Main EPC Committee

No Updates

5. Review Submitted Abstracts

A total of 9 abstracts have been uploaded in confex.

Baker Hughes abstract “Waste Plastic Pyrolysis Oil: Challenges & Solutions” by S.R. Pinappu and S. Murugesan, has been uploaded in the Circular Economy/ Decarbonization session. Yong is trying to get the abstract transfer to our session.

Assuming a successful transfer of Baker Hughes abstract, the 1st half of the session would focus on contaminants removal from Pyrolysis oil:

1. Towards High-Quality Petrochemical Feedstocks from Plastic Waste Pyrolysoils: Contaminant Removal Via Filtration and Its Impact on Steam Cracking. (Presenter: M. Kusenber)
2. Impact of Recycled Plastic Composition on Honeywell's Upcycle Process Pyrolysis Oil for Steam Cracking Units. (Presenter: C. Anderle)
3. Waste Plastic Pyrolysis Oil: Challenges & Solutions. (Presenter: S.R. Pinappu)

If the Baker Hughes paper does not get transfer, the following paper will fill the slot:

Standby 3. The Challenges behind Carbon Disulfide Removal in Naphtha-Derived Cuts (Presenter: H. Silva)

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

The abstract “Advances in Purification of Monomers for Petrochemical and Polymerization Applications” will be transfer to our standby list for future consideration.

Andre will notify the authors for accepted & rejected abstracts.

6. Review Potential Abstracts Transfer from/ to other Sessions

The abstract "Meeting New Specifications for CS₂ Removal from Petrochemical Naphtha Using Dividing Wall Column Technology" will be offer to the Distillation Symposium. If the transfer is unsuccessful, the abstract will be transfer to our standby list for future consideration.

7. Other Business

None

8. Schedule Next Meeting

Next Meeting Dec 15th, 15h00 CST