

Contaminants & Impurities in Ethylene Plants Subcommittee – September 22nd, 2022 Meeting Minutes

Team Members

Mark Davis		Yong Wang	X	Robert Alvers	X
David Smith	X	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	X	Debby Rossana	X
Omar Hamid	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. Key Dates

- Call for abstract is currently open
- Call for abstract closes Oct 25th, 2022
- Paper acceptance/rejection -> December 9th, 2022
- EPC Draft Schedule January 6th, 2023
- Program to go live January 13th, 2023
- Paper submission/ Presentation -> January/February
- Virtual Dry Run -> 2 to 3 weeks prior to the conference
- Conference -> March 12th to 16th in Houston

3. Updates from Main EPC Committee

No update

Next Main EPC Committee Meeting: October 13th, 2022

4. Review Paper Ideas

Contaminants from Plastic Waste Base Feedstocks

We have commitment on the following papers

- Contaminants from waste plastic pyrolysis & treatment - University of Ghent. (Yong to follow up)
- Waste plastic pyrolysis oil & its chemical treatment – Baker Hughes (Lisheng to follow up)
- Plastic Pyrolysis Oil Hydrotreating – Honeywell UOP (Omar to follow up)

DMS Alternatives

We have commitment on the following papers

- DMS Alternatives – CPCChem (Jennifer to follow up)
- SULSAFE™ Sulfiding Agent – Enhanced Performance for a Sustainable Operation – Dork Ketal (Sherri to follow up)
- DMS/ DMDS Experience – ExxonMobil (Dave S. to follow up)

The above papers provide a good breakdown between the 1st and 2nd half of the session. Papers on waste plastic pyrolysis can be grouped together for the 1st half with the second half on DMS alternatives.

Oxidative Coupling of Methane to Ethylene

- With the session filled up, the idea will be move to the standby list.

Feedstock Contaminant Database & Specific Contaminant

- Will keep the idea as contingency in case 1 of the paper drops out.

Contaminants associated with unusual feedstock (ex. Ethanol, Waste & others)

- The idea will be move to the standby list

Impacts from Higher Volume of Ethan Cracking in Mix Feed Cracker

- The idea will be move to the standby list

Paper on N₂O & NO – Linde

- Issues with Clients approval/ cooperation. Those issues might get resolve but likely not within the timeline for the 2023 EPC. The idea will be move to the standby list.

MEA & NH₃ issues

- The idea will be move to the standby list

5. Technical Discussion

- None currently

6. Other Business

- 2 potential papers on Popcorn polymer for next year. A 3rd paper providing a high-level introduction to popcorn polymer would provide a good half session for 2024.

7. Schedule Next Meeting

Next Meeting Oct 12th, 15h00 CST