

Feedstock Contaminants Subcommittee – June 30th, 2021 Meeting Minutes

Team Members

Art Baumgartner	X	Dwight Hines		Jennifer Nill	X
Mark Davis	X	Yong Wang	X	Robert Alvers	X
David Smith	X	Joe Lally	X	David Hood	
Sheri Elder	X	Andre Bernard	X	Ross Perchuk	X
Mark Whitney	X	Ali Abbaspour			

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. Confirm Roster

We welcome Ross Perchuk (Shell) in the sub-committee, replacing Art who will be retiring from Shell. We thank Art for his contribution to the sub-committee over the years and wish him all the best for his retirement.

Joe has elected to step back as Chair but will remain a member of the sub-committee. We thank him for all the work he did as Chair.

Andre will move from Co-Chair to Chair.

We are currently looking for a Co-Chair.

3. Updates from Main EPC Committee

The 2022 conference is expected to be in person in San Antonio.

4. Key Dates

Sessions and Sessions Chairs due in Confex: June 14th, 2021

Call for Abstracts opens June 28th, 2021

Call for Abstracts closes November 1st, 2021

Accept/ Rejects Abstracts: December 6th, 2021

Preliminary Acceptance Notices Sent: December 20th, 2021

Final Acceptance/ Rejection Notices Sent: January 24th, 2022
2022 AIChE Spring Meeting: April 10 to 14th, 2022

We will be planning a dry run 2 to 3 weeks prior to the conference.

5. Review 2021 EPC

The 2021 EPC attendance data was distributed and reviewed. The attendance to the paper presented in the Ethylene Plant Feedstock Contaminants was found in relatively good alignment with the abstract ranking conducted by the sub-committee during the abstract approval exercise.

CO₂ reduction/ capture, plastic waste, green technologies (i.e. green H₂, green ethylene) were found to be popular topics.

6. Review Feedstock Sub-Committee Operation

- What went well
 - Idea spreadsheet
 - Effective meetings
- What can be improve
 - Include a technical discussion at the end of the meeting

7. Review Paper Idea Left Over List (2021)

- **Follow up paper on Debutanizer Bottom Recycle** – Low likelihood for 2022.
- **Dihydrocyclopentadiene found in C9-200/ Wash oil recovery** – Potential for a joint paper. Andre to follow up.
- **NOVA paper on sulfur removal.** Author pulled out from 2021 EPC due to time constraint in getting approvals. Andre to follow up if it could be presented in 2022.
- **Potential contaminant from on purpose propylene catalytic dehydrogenation.** This paper was put on standby due to IP constraint. This situation is likely similar for 2022.
- **Popcorn Polymer – TCP incident.** No update. Not likely for 2022.

- **CS₂ rise from H₂S scavenger on shale gas** – Dorf Ketal. This paper was on the 2020 session agenda, but Dorf Ketal pulled it out due to uncertainty of the conference. They withdrew the paper for 2021 (could not get management approval). Sheri will follow up with Dorf Ketal.
- **Pipeline Contaminants (glycol, drag reducer)**. We had difficulties in getting commitments from companies that were contacted. Joe will follow up with Enterprise in Kinder Morgan.

8. Brainstorm Papers Idea

- Plastic Waste:
 - Contaminant Treatment – University Ghent – Yong to follow up
 - CPChem – possibility Jennifer to check
 - Shell Experience – Ross to check
 - LyondellBasell Experience – Robert to check
 - Dow Experience – Mark D. to check

ACS – Green Chemistry/ Circular Economy – Sheri to check
- Contaminants vs ODH technology – Mark W. to check with Linde
- CO₂ Capture vs
 - Amine Process -> MEA/ DEA Celanise/ DOW/ BASF/ Huntsman/ Eastman. DEA process – Ross & Andre to look at paper on Amine process.
 - Lenzach -> CO₂ to ethanol -> ethylene Yong will check
 - Oxydative coupling of methane to ethylene – Siluria – Dave S. to follow up
- Radon. Andre to check with NOVA / potential for Shell involvement (Ross)

Other Business

- Nothing to report

9. Schedule Next Meeting

- Next meeting schedule for July Thursday 29th, 15h00