

## Feedstock Contaminants Subcommittee – March 30<sup>th</sup>, 2022 Dry Run Agenda

### Team Members

Mark Davis	X	Yong Wang	X	Robert Alvers	X
David Smith	X	Joe Lally	X	David Hood	
Sherri Elder	X	Andre Bernard	X	Ross Perchuk	
Mark Whitney	X	Scott Hailey	X	Lisheng Xu	
Dwight Hines		Jennifer Nill	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.”*

### General Notes:

- Presenters to send copy of the finished Power Point presentation (with and without speaker notes) by Wednesday April 6<sup>th</sup> to Andre Bernard (Email: [andre.bernard@novachem.com](mailto:andre.bernard@novachem.com))
- Presenters to send pdf copy of the paper to Andre Bernard (Email: [andre.bernard@novachem.com](mailto:andre.bernard@novachem.com)) by Friday April 1<sup>st</sup>.
- Presenters to send a short bio to Sherri Elder (Email: [dr.sherrielder@gmail.com](mailto:dr.sherrielder@gmail.com))
- Andre to store the Power Point Presentation on flash drive.
- Andre to deliver session flash drive to the WarpSpeed representative at the conference
- Note that, if they want, the authors can upload their paper and presentation to the AIChE website. This is done in confex. However, I believe the deadline was March 27<sup>th</sup>.
- As a precaution we recommend that the presenter keep a copy of their presentation on their personal flash drive.
- Thanks to the presenters for their effort and also for their flexibility and patience due to changes in the agenda schedule.

**Note: Time is Central Time (i.e. Houston Time)**

**9h15 - Plastic Waste Contaminants: A Deal-Breaker for Steam Cracking?  
(Marvin Kusenberg)**

**Time:** 25 min 30 sec

**Comments:**

- Good Content. Time at 25 min would be ok
- Suggest cutting on some of the early slides for time saving.
- Describe Pyrolysis conditions of the material tested. Suggest adding Pilot-Scale Plastic Waste Pyrolysis Unit description slide.

**9h50 - Managing Challenges in the Production and Use of Pyrolysis Oil  
(Joe Lally)**

**Time:** 17 min 50 sec

**Comments:**

- Comment of NO<sub>x</sub>, as a concerns. Can also come from inhibitors.
- Good Summary

**10h25 - Impurities and Impact on Ethylene Production Units  
(Joe Yu)**

**Time:** 17 min 38 sec

**Comments:**

- Title changed to “**Bio-Ethylene from Gas Fermentation: Gas Treatment Challenges and Successes**”
- Change in presenter: Joe Yu instead of Richard Rosin
- Need to contact AIChE for Title change. Presenter changed already in confex.
- Point out that similar bio-catalyst are being use regardless of application
- Contaminants -> Importance to highlight O<sub>2</sub> as contaminant as this technology will likely apply to cracking furnaces stacks.
- Impact of NO<sub>x</sub> & SO<sub>x</sub> on bio-catalyst.

**11h00 - CS<sub>2</sub> Scavenger – New Option to Upgrade Feedstock Quality  
(Joyce Boll)**

**Time:** 21 min 8 sec

**Comments:**

- Ok to have the company name on the first slide but remove it for the following slides
- Confuse in Introduction vs problems related to CS<sub>2</sub> (slide # 3). Suggest Emphasizing the corrosion impacts of CS<sub>2</sub> as it is the biggest impact and summarize the quality impact of CS<sub>2</sub> vs feedstock.

**11h35 - Ethylene Plant Feed Sulfur Removal  
(Roger Metzler)**

**Time:** 17 min 6 sec

**Comments:**

- Speaker changed from Roger Metzler to Sai Reddy Pinappu
- Ok to have the company name on the first slide but remove it for the following slides
- After Slide 10 one more slide on Sulfur speciation data.
- Last Slide replace company name by “Thank You”
- Remove Product name and use noncommercial identifier (ex. Product A)

**12h10 - Dihydrodicyclopentadiene – Where Does It Come from and How  
Can It Affect the Ethylene Unit  
(Debby Rossana)**

**Time:** 22 min

**Comments:**

- Paper to have co-presenters: Andre Bernard & Debby Rossana