

## Feedstock Contaminants Subcommittee – October 14<sup>th</sup>, 2020 Meeting Minutes

### Team Members

Art Baumgartner	X	Dwight Hines		Jennifer Nill	X
Mark Davis	X	Yong Wang	X	Robert Alvers	
David Smith	X	Joe Lally	X	David Hood	
Sherri Elder		Andre Bernard	X		
Mark Whitney	X	Ali Abbaspour	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. Review Key Dates

- 2021 Spring Meeting – April 18 – 22, 2021 Hilton Anatole, Dallas, TX. AIChE expected to provide direction regarding in person vs virtual conference by the end of November.
- Call for Abstracts Close Friday, November 20<sup>th</sup>, 2020

### 3. Update from Main EPC Committee

- Next Main EPC Committee meeting October 15<sup>th</sup>.
- Yong to follow up with Main EPC Committee on the following:
  - Feedback relative to the Feedstock Contaminants 2020 Session.
  - How to access Confex to view submitted abstracts.

#### 4. Feedstock Contaminants Database

- The revised Feedstock Contaminants Database was released and should be available on the EPC website shortly.

#### 5. 2020 Virtual Conference Attendance

- Mark provided attendance to our 2020 session. Difficult to measure the conference total attendance. The maximum attendance recorded on the Dow paper on plastic circularity (292 attendee).
- Feedstock Contaminants Session attendance by paper below:
  - 159a -> 56
  - 159b -> 44
  - 159c -> 88
  - 159d -> 58
  - 159e -> 66
  - 159f -> 56

#### 6. Paper Ideas

- **CS<sub>2</sub> rise from H<sub>2</sub>S scavenger on shale gas** – Dorf Ketal. Sherri reported that they are currently awaiting management approval. Dorf Ketal was scheduled to present this paper last year but pulled it out due to the pandemic. We might need to re-load the abstract in the AIChE website.
- **NO<sub>x</sub> Elimination from Pygas recycle stream through alternative inhibitor** – Sherri is still following up with Dorf Ketal.
- **NOVA paper on sulfur removal.** The abstract has been uploaded in the AIChE web site.
- **Potential contaminant from on purpose propylene catalytic dehydrogenation.** Dow is currently not ready to present on this topic. We will put that paper idea on standby for next year.
- **Pipeline Contaminants (glycol, drag reducer).** This paper was put on standby last year due to constraint in meeting deadlines. Joe has not heard from Enterprise yet and will try to contact Energy Transfer.
- **Chemical Recycling of Waste Plastic**

Chemical Recycling of waste plastic follow up paper to Dave Smith 2020 paper.

- Professor Kevin Van Geem agreed to submit an abstract regarding a follow up paper to the one presented in 2020 with focus on contaminants. Yong to follow up on progress.
- Consider reaching producer of oil from plastic waste to talk about oil characterization and potential contaminants. Joe indicated an upcoming AIChE conference on waste to plastic and will try to lobby for potential paper for our session.
- CP Chem is currently doing chemical recycling at commercial scale and might be a good candidate for a paper on that topic. Jennifer will follow up.

- **C3/C4's Recycle to Furnace**

Due to low demand of C3/C4's cause by the pandemic. Some producers are considering cracking the stream to the furnace (recycle). Paper could focus on things to consider when recycling C3/C4's to the furnace. Yong contacted people but did not get any commitment yet.

- **Popcorn Polymer**

Debby Rossana (NALCO) currently working on a joint paper with a producer on "Butadiene Vapor Space Fouling Identification & Mitigation". The fate of the paper depends on the willingness/ approvals from the producer. Dave Smith to follow progress

Potential for a NALCO paper based on literature review and best practices if the joint paper idea does not work. Dave Smith to keep track.

TPC Port Arthur explosion, rumor was caused by popcorn. TPC is currently not able to present a paper on that topic due to current investigation by Safety Board. There is however opening/ interest in presenting at a later time. We will move the idea to the standby list.

Andre checked with Sanjeev regarding a tutorial session on butadiene and will keep him in the loop regarding papers that may conflict or duplicate his session.

- **Fluoride Contamination in Liquid Feedstocks**

Art indicated interest by one of his colleagues in presenting a paper on fluoride contamination in liquid feedstocks. Art indicated that the author is currently working on the paper. A group from Amsterdam could back it up if

the main author pulls out. However, People from Amsterdam would not travel.

- **Unit Turndown – Pitfalls Relative to Fouling & Corrosion**

Dave Smith indicated that an abstract has been written on this topic and will be uploaded shortly.

## **7. Schedule Next Meeting**

Next meeting on Oct 28<sup>th</sup>.