

## Feedstock Contaminants Subcommittee – September 30<sup>th</sup>, 2020 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	X
Sheri Elder	X	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. New Member

- Roster updated and distributed.

### 3. Review Key Dates

- 2021 Spring Meeting – April 18 – 22, 2021 Hilton Anatole, Dallas, TX (Virtual ?). No decision yet from AIChE. AIChE has to work some issues relative to hotel cancellation. They should provide direction soon regarding virtual or in person conference.
- Next Main EPC Committee meeting schedule in October.
- Call for Abstracts Close Friday, November 20<sup>th</sup>, 2020

### 4. 2020 Virtual Conference Attendance

- AIChE is running late for communicating the 2020 virtual conference attendance. Currently no update.

## 5. Paper Ideas

- **CS<sub>2</sub> rise from H<sub>2</sub>S scavenger on shale gas** – Dorf Ketal. Sheri reported that they are tentatively moving ahead with presenting the paper. This paper was on the 2020 session agenda, but Dorf Ketal pulled it out due to uncertainty of the conference. We might need to re-load the abstract in the AIChE website.
- **NO<sub>x</sub> Elimination from Pygas recycle stream through alternative inhibitor** – Dorf Ketal. This paper idea was removed from the 2020 session due to duplication with other session. Will check if it could be presented this year. Sheri has not heard from Dorf Ketal. No update for now.
- **NOVA paper on sulfur removal.** This paper idea was put on standby last year due to challenge in meeting deadlines. A draft abstract was recently shared and should get uploaded. Andre to ensure abstract gets uploaded.
- **Potential contaminant from on purpose propylene catalytic dehydrogenation.** This paper was put on standby last year due to IP constraint. Mark reached out to Dow and is awaiting feedback.
- **Pipeline Contaminants (glycol, drag reducer).** This paper was put on standby last year due to constraint in meeting deadlines. Joe followed up with enterprise and is awaiting feedback. Joe is considering reaching contacts at 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 and Dwight to follow up. No update.
- **New Contaminants for Database**

Dihydrodicyclopentadiene. Andre reported as a component found in the C9-200 stream currently use as wash oil in one of the NOVA plants. The component is found after hydrotreating RPG. Currently not much information on it but could be interesting to discuss as it can be added in

the database as a new contaminant. Needs further development. Idea will be put on standby.

- **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**

Idea of talking about Popcorn polymer formation relative to feedstock. Debby Rossana (NALCO) currently looking at a potential joint paper with an Ethylene Producer. Suez might also be able to put together a joint paper with a producer. David Hood/ Dave Smith will coordinate and follow up.

David (Hood) indicated a webinar on October 8<sup>th</sup> organized by the EEPC on popcorn polymer. Suspect that the topic might focus on best practices.

TPC Port Arthur explosion, rumor was caused by popcorn. The idea of a paper is awaiting TPC management direction. David Hood/ Dave Smith will be following up.

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.

Sanjeev looking at putting a full session on butadiene -> Andre to follow up to ensure no conflicts/ duplications between the sessions.

- **Fluoride Contamination in Liquid Feedstocks**

Art indicated interest by one of his colleagues in presenting a paper on fluoride contamination in liquid feedstocks. Andre to follow up with Art.

## 6. Schedule Next Meeting

Next meeting on Oct 14<sup>th</sup>.