

Feedstock Sub-Committee – December 4th, 2019 Meeting

Attendees

David Smith (Ecolab), Mark Davis (Dow), Andre Bernard (NOVA), Tom Pickett (TechnipFMC), Art Baumgartner (Shell), Joe Lally (Evonik), Sherri Elder

1. Review Proposed Agenda

2. 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.”

3. Main Committee Updates (Tom)

The Feedstock Contaminants session has been moved to Tuesday morning opposite of the Plant Operation session.

The main committee is meeting Thursday night (December 4th).

Key Dates:

- Next EPC March 29th to April 2nd, 2020 in Houston
- Paper accepted or rejected December 13th, 2019

4. Discuss Uploaded Abstracts

Abstract id# 589897

Plastic Waste to Cracking Feedstock, Potential Contaminants

David Smith, NALCO Company, Sugar Land, TX, Andre Bernard, NOVA Chemicals (Canada) Ltd., Corunna, ON, Canada, Thomas Pickett, TechnipFMC, Houston, TX and Joe Lally, Agrochemicals and Polymer Additives, Evonik Corporation, Houston, TX; Evonik Corporation, Houston, TX

Fit in the session.

Abstract id# 589931

A View to a Kill: Pyrolysis Fuel Oil from Naphtha and Vacuum Gas Oil Fractions

Marko R. Djokic¹, Nenad D. Ristic¹, Hendrik Muller², Guy B. Marin¹ and Kevin M. Van Geem¹, (1)Laboratory for Chemical Technology, Ghent University, Ghent, Belgium, (2)Research & Development Center, Saudi Aramco, Dhahran, Saudi Arabia

Does not fit for the Feedstock Contaminants session. Might be a better fit for the Technology session. Tom will check if it can be move to another session. The abstract will be move to the general pool.

Abstract id# 589971

Pixel-Based Approach in Combination with GC – GC for Fouling Tendency Prediction in Steam Crackers

Marko R. Djokic¹, Victor Abrahamsson², Nenad D. Ristic¹ and Kevin M. Van Geem¹, (1)Laboratory for Chemical Technology, Ghent University, Ghent, Belgium, (2)California Institute of Technology, Jet Propulsion Laboratory, Pasadena, CA

Fit within the Feedstock Contaminants session. Complement to Debby Rossana paper presented last year.

Abstract id# 589827

Norms (Naturally Occurring Radioactive Materials) in the Ethylene Plant, Revisited

Phillip James, SiYPro Performance Additives, Evonik Performance Materials GmbH, Greenford, United Kingdom, **Debby Rossana**, Downstream Petrochemicals, Nalco Champion, Sugarland, TX and Justin Harris, Quantum Technical Service, Houston, TX

Good fit for the Feedstock Contaminants session. 2 presenters. Build from a paper previously presented at the EEP. Debby complementing with NORM found in the US.

Should not impact CPchem paper on NORM.

Abstract id# 589654

CS₂ Removal from Polymer Grade Naphtha/Cracked Gas

Perumangode Ramaswamy, Technical Services, Dorf Ketal Chemicals, Mumbai, India

Good fit. Would be good if they can co-author with operating plant.

Abstract id# 589652

Carbon Disulfide and Thiophene: Formation and Mitigation Review

David Slim, Agrochemicals and Polymer Additives, Evonik Corporation, Sarnia, ON, Canada, Phillip James, SiYPro Performance Additives, Evonik Performance Materials GmbH, Greenford, United Kingdom and **Joe Lally**, Agrochemicals and Polymer Additives, Evonik Corporation, Houston, TX

Fit in the session. Should have this paper before the CS2 paper from Dorf Ketal.

5. Other Abstracts

The abstract for the paper on Radon by CPchem has not been uploaded, but could still be part of the session. Joe will check with AIChE if we can still include the paper in the session and upload the abstract.

Enterprise did not upload their abstract and indicated (after the meeting) that they would not be able to put the paper together. Suggest keeping them on the list of paper idea for next year.

13 abstracts loaded in the AIChE general abstract pool. None of those seems related to ethylene.

6. Session Planning

Potentially having 2 papers on NORM and 2 papers on CS2. Suggest to setup the session by themes. 1st half back to back paper on NORM and back to back paper on CS2 in 2nd half of the session. Papers on fouling & plastic waste as last paper on both half of the session.

Will use 5 to 10 minutes in the session for updating the audience on the Contaminants Database

AIChE paper guideline to be forwarded to the author. Authors to be notified by email if their paper have been selected or not.

Will finalize the list of paper accepted before Friday December 13th.

7. Next Meeting

Will communicate the list of approve abstract by email before deadline.