

FINAL Minutes of August 11, 2022 Ethylene Producers' Environmental Sub-Committee Meeting
(August 11, Rev. 0)

Following are the minutes of the August 11, 2022 Ethylene Producers' Environmental Sub-Committee Meeting, held via MS Teams with Walter Postula, Shell Global Solutions (US) Inc., as host.

Present: Rick Beleutz, LyondellBasell
Troy Boley, Spectrum Environmental Solutions, LLC
James Kendall, ExxonMobil Chemicals
Brandon Lithgoe, Ashworth Leininger Group
Patti Long, Eastman
Dan Lutz, Ineos
Andrés Muñoz Gandarillas, Neste
Jennifer Port, ExxonMobil Chemicals
Walter Postula, Shell Global Solutions (US) Inc.
Mark Ulrich, Linde Engineering Americas
Gary Wojnowski, BASF

Absent: Benjamin Burns, LyondellBasell?
Ahmad Hamad, Siemens-Energy
Ted Heron, The Catalyst Group
Jacob Hilbrich, Chevron Phillips
Allyson Ledet, NOVA Chemicals
Gerardo Ruiz-Mercado, US EPA (AIChE Environmental Division)
Arijit Pakrasi, Edge Engineering and Science
Mark Schmidt, Dow
Jeffrey Seay, University of Kentucky (AIChE Environmental Division)
Dick Siegel, R&B Consulting Services (AIChE Environmental Division)
Edward Soliz Jr., LyondellBasell
Jason Trembly, Ohio University (AIChE Environmental Division)

The meeting began at 9:02 am with Walter Postula reading the Ethylene Producers' Committee (EPC) anti-trust statement:

No activity of the committee shall involve the exchange, collection, or dissemination of information among competitors for the purpose of bringing about or attempting to bring about an understanding or agreement, written or oral, formal or informal, express or implied, among competitors, with regard to costs, prices, 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.

The meeting agenda was published in advance and is included below:

- 1) Reading of Anti-Trust Statement [9:02 AM]
- 2) Chair/Co-Chair for 2023 session [9:04 AM]
- 3) Discussion of Potential Topics for 2023 Environmental Session [9:10 AM]
 - a. Decarbonization/Renewable Feeds/Circularity
 - b. EMACT
 - c. Ethylene vs. Refinery performance – fence line monitoring (Troy)
 - d. Academic papers

- e. GHG emissions from products
- 4) Date for Potential Face to Face [9:45 AM]
 - a. October 13th or December 8th
- 5) Review of Action Items [9:50 AM]
- 6) Important Date Reminders
 - June 20, 2022 – Call for abstracts opens
 - October 25, 2022 – Call for abstracts closes
 - December 9, 2022 – Papers accepted or rejected
 - January 6, 2023 – Draft schedule ready
 - January 13, 2023 – Program goes live
 - March ??, 2023 – Paper submission closes
 - March 12-16, 2023 – Spring Meeting – Houston, TX
- 7) Adjourn [10:00 AM]

Chair/Co-Chair for 2023 session: No response received so far from Gerardo on willingness/capability to serve as Session Chair for 2023. **Post meeting note: Gerardo cannot attend Spring, will not serve as Session Chair.** Andrés volunteered to serve as Session Co-Chair (thanks, Andrés). Preferably a new volunteer will make themselves available. Brandon will follow-up with Gerardo.

Discussion of Potential Topics for 2023 Environmental Session: From list in item 3 of agenda.

- a) These topics are still very relevant and will be for the coming years. Andrés raised question on how subcommittees interact and where papers on these topics should fall. Feedback from the 2022 conference was that attendees desired a more cohesive program with less overlap of topics in co-current sessions (this is on radar of Main Committee and will be part of discussion during scheduling of sessions). Issued raised on how Inflation Reduction Act, SEC sustainability reporting rules, and Supreme Court decision in West Virginia v. EPA will impact ethylene industry. Brandon agreed to pursue topic (renamed as “US approach to regulating GHG emissions”).
- b) Rick had followed up with Steve Smith. Steve mentioned that EPA had agreed to reconsider several aspects of the EMACT rule. Tentative timing was action by September 2022 with finalization by June 2023. Steve is willing to present on changes/updates. This would be a “normal” length presentation.
- c) Troy expects data to be available and is still willing to put presentation/paper together on topic.
- d) Andrés has not had discussion with Ghent. It is still summer holiday season for Europe (including Universities). Does not expect an issue for Ghent to produce a paper. Effort will be made to tailor topic to best fit Environmental session.
- e) Brandon had discussion with potential presenter. Raised clarification question on intent of topic. Dan stated that buyers are asking producers for Scope 3 information, wanting to understand how values are passed down chain (cradle to gate), what methods are used to calculate and how choices are made. Jennifer mentioned that ExxonMobil would be willing to help. Brandon will go back to potential presenter to see if they are capable of presenting.

As part of the discussion for (a), the scope/naming of the Environmental Subcommittee was raised. Should we change the name to reflect that the subcommittee deals in broader issues than just regulatory. This will be an agenda item for our next meeting.

Date for Potential Face to Face: December 8th was decided as the better date for the face-to-face meeting. Without an overabundance of abstracts to choose from it is better to use face-to-face time in deciding order of session. Rick stated that LyondellBasell could potentially host (Mark U. had already offered up Linde’s Woodlands office). Final location will be decided as we get closer to date.

Review of Action Items: Below are the action items (responsible in **bold**)

- **Gerardo:** Confirm ability to serve as Session Chair for 2023. **Done, cannot serve.**
- **Brandon:** Follow-up with Gerardo on serving as Session Chair for 2023. **Done.**
- **All:** (For those who have not done so) Consider serving as Session Co-Chair (or Chair if need arises) for 2023
- **Rick:** Ask Steve Smith to develop abstract on new EMACT developments
- **Troy:** Develop abstract on fence line monitoring topic
- **Andrés:** Contact Ghent for topic/abstract that fits with Environmental session
- **Brandon:** Go back to presenter contacted about Scope 3 emissions with topic clarifications given above and determine if they are still willing/able to present (and develop abstract)
- **Brandon:** Contact potential presenter on “US approach to regulating GHG emissions”
- **All:** Bring thoughts on subcommittee name change to next meeting

Important Date Reminders: The dates listed in item 6 of the agenda were reviewed.

Adjourn: The meeting/teleconference was closed at 9:51 am.