

# SAFETY SUBCOMMITTEE OF THE ETHYLENE PRODUCERS COMMITTEE

February 26, 2014 Meeting Minutes

## Agenda Items Discussed

#	Description
1.	<p>Antitrust Statement – Rob Nussbaum. The antitrust statement shown below was read at the start of the meeting.</p> <p style="padding-left: 40px;">“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 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.”</p>
2.	<p>Final Check-step on Presentations for 2015 Safety Session – Attachment 3</p> <p>The statuses of the papers listed in Attachment 3 were reviewed by the corresponding EPC contacted person and the associated comments have been added to Attachment 3. In summary, all of the papers have been written and are at some stage of company internal review. At this point, there are no concerns about any of the papers in terms of being presented at the upcoming conference (confidence level is high that all will be presented).</p>
3.	<p>Review of Subcommittee Member Support at Ethylene Producer’s Conference (logistics, etc)</p> <ul style="list-style-type: none"> <li>➤ Johnathon to obtain bios for introductions. The three session chairs/cochairs are comfortable handling the logistics (no additional help needed).</li> <li>➤ Speakers dinner – discussion took place about the importance of the speakers being greeted by a member of the Safety Subcommittee. Johnathon and the two co-chairs will work together to make sure that happens.</li> <li>➤ Johnathon to arrange “practice session” with the presenters to familiarize all with the meeting room, microphone arrangements, and so forth.</li> <li>➤ Johnathon get electronic copies of the presentations to Walter or Sasha in Austin.</li> </ul>
4.	<p>New Business</p> <ul style="list-style-type: none"> <li>➤ Jake volunteered to be the next committee co-chair</li> </ul>
5.	<p>Review of Action Register – The action register was reviewed and updated; see Attachment 2.</p>
6.	<p>Next Meeting</p> <p>The next meeting will be June 18 (same date as the next EPC meeting).</p>

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## Attachment 1 - Member Contact Info & Meeting Attendance Record

Member	e-mail address	Work Phone Cell Phone	6-Jun-14	14-Aug-13	25-Sep-14	13-Nov-14	26-Feb-15		
Balinsky, Anne (Chevron Phillips)			✓	✓		✓	✓		
Berret, Jake (Williams)							✓		
Darbonne, Toby (Westlake)						✓			
Fox, Rob (LyondellBassell) Session Co-chair				✓	✓	✓	✓		
Gent, David (Nova)			✓	✓	✓		✓		
Kelley, Gwen (Shell)			-	✓		✓	X		
Mahalingam, Sankar (Technip) Session Co-chair			✓		✓	✓	✓		
Melching, Jeff (Dow)				✓		✓	X		
Nussbaum, Rob (Eastman) Subcommittee Chair				✓	✓	✓	✓		
Schmidt, Mark (DuPont)			-	✓	✓	✓	✓		
Simon, Bob (Huntsman)									
Smith, David (BASF)			-						
Smith, Michael (ExxonMobil)			-			✓			
Sterne, Jonathan (Ineos) Subcommittee Co-Chair and Session Chair			✓	✓	✓	✓	✓		
Thompson, Trobie (Sasol)			-	-	✓	✓	X		
Zych, Larry (BASF)									

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<b>Attachment 2 - Action Register</b>			
Date Added	Action Item	Steward	Status
6/12/14	Guidelines and requirements for “extended abstract” submittal. Guidelines and Requirements for “extended abstract” submittal will be provided at the next meeting.	Anne Balinsky	8/14/14: Pending-provide at next meeting. 11/13/14: Item completed.
6/12/14	Sankar Mahalingam will follow up with Kannan Subramanian of Stress Engineering Services regarding specific brittle fracture topic and ability to deliver a formal paper.	Sankar Mahalingam	8/14/14: Complete, abstract has been submitted to the subcommittee.
6/12/14	David to follow up with Andre Bernard (Nova) on possibility of doing a paper on a process focused embrittlement scenario analysis.	David Gent	8/14/14: Complete, draft abstract submitted to the subcommittee.
6/12/14	Solicit topics/papers from respective companies on ethylene safety topics.	All	8/14/14: In progress, papers still needed.
8/14/14	Contact Shrutika Agrawal of Reliance Industries, shrutika.agrawal@ril.com, about presentation, “Brittle Fracture of Ethylene Vaporizers.”	Rob Fox	9/25/14: Complete.
8/14/14	Follow up with colleagues at LyondellBassell (and Legal Department) about the possibility of a presentation, “Incident Analysis of a Steam Line Failure at LyondellBasell European Cracker”	Rob Fox	9/25/14: Complete.

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8/14/14	Follow up with Astor Harris of Phoenix Park Gas Processors Ltd. about the possibility of a presentation, "Corrosion Under Insulation (CUI) Test Methods for Complicated Pipe Branches"	Johnathan Sterne	9/25/14: Contacts have not been successful, Johnathan to follow up again. 11/13/14: Additional attempt at contact made but unsuccessful. Last report.
8/14/14	Follow up with colleagues as Ineos (and Legal Department) about the possibility of a presentation, "Lessons Learned through Commissioning New Ethane Cracking Facilities at Ineos."	Johnathan Sterne	9/25/14: Possibility rejected, but replacement presentation possibility has been submitted. 11/13/14: Ineos presentation will not be included in the 2015 conference. Last report.
9/25/14	Follow up on possibility of update from NOX gums subcommittee	David Gent	10/30/14, David Gent: I did consult with Greg Yeo on the status and determined that there was not likely to be anything new from that group. Last report.
9/25/14	Follow up on the possibility of a review pertaining to line blinds by a BASF representative (Tim Zigula)	Rob Nussbaum	10/30/14: Complete, interest level is moderate (probably not a 2015 conference item).
9/25/14	Issue another plea for paper possibilities	Rob Nussbaum	11/13/14: Cancel for the 2014/2015 cycle. Last report.
9/25/14	Consider possibility of a teleconference to increase member participation.	Rob Nussbaum	11/13/14: Considered but plans are to stay with the in-person approach to these meetings. Last report.
11/13/14	Contact David Gent about his role as the contact person for the Nova presentations and to advise him of the reviewer assignments	Rob Nussbaum	Complete.

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2/26/15	Coordinate final conference arrangements with the presenters.	Johnathon Sterne	2/26/15: <ul style="list-style-type: none"><li>➤ Obtain bios for introductions.</li><li>➤ Make arrangement (with co-chairs) for each of the speakers to be greeted by a member of the Safety Subcommittee at the speakers' dinner.</li><li>➤ Arrange "practice session" with the presenters to familiarize all with the meeting room, microphone arrangements, and so forth.</li><li>➤ Work towards getting electronic copies of the presentations to Walter or Sasha during the conference.</li></ul>
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<b>Attachment 3 – Possible Safety Presentations for 2015 Ethylene Producers’ Conference</b>					
<b>Session Chair – Johnathan Sterne (Eneos)</b>					
<b>Session Co-Chair – Rob Fox (LyondellBassell) and Sankar Mahalingam (Technip)</b>					
	Paper Topic	Presenter and Subcommittee Contact Person	Comments	Abstract in Hand?	Abstract Uploaded?
	Evaluating The Potential For Cold Brittle Fracture in Ethylene Plants through Dynamic Simulation	Presenter - André Bernard, Process Design Engineer, NOVA Contact – David Gent Reviewer – Mark Schmidt	Draft abstract in hand. 8/14/14: David reiterated that Andre can provide this presentation. 11/13/14: Abstract uploaded to Confex. 2/26/15, David Gent: Paper has been prepared. Currently under internal review, no problems anticipated	Yes	Yes
	Assessment Methods to Prevent Brittle Fracture Failure	Presenter - Kannan Subramanian, Stress Engineering Services Contact - Sankar Mahalingam Reviewer – Trobie Thompson	8/13/14, Sankar: Rob, I am currently on an overseas business trip and will not be attending the meeting on Aug 14. I am following up with Kannan Subramanian, Stress Engineering and he confirmed that he is interested in presenting a paper on brittle failure and provide his proposal this week. 8/14/14: Abstract received. David Mullinex indicated this is the same company that Ralph King is with so there may be some risk of repeat, but probably still a workable presentation. 11/13/14: Abstract uploaded to Confex. 2/26/15, Sankar: Paper has been submitted to Sankar for review, no concerns.	Yes	Yes

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	Incident Analysis of a Steam Line Failure at LyondellBasell European Cracker	Presenter – Anne-Sophie (Lyondell Bassell) Contact – Rob Fox (Lyondell Bassell) Reviewer – Jeff Melching	8/14/14: Rob Fox to follow up on this possibility. 9/25/14: Abstract in hand, seems very applicable. Presenter is also LyondellBassell employee so this should be high probability of success. Legal Department has not yet been consulted but that is to occur. 11/13/14: Abstract uploaded to Confex. 2/26/15, Rob Fox: Paper is complete, currently under internal review. No concerns.	Yes	Yes
	Method for Evaluating the Severity of Over-pressurization Scenarios During a PHA (how to evaluate how “bad” an over-pressure incident’s consequences will be).	Contact – Johnathon Sterne (Ineos) Presenter – Carlos Sanchez or Johnathon Sterne	9/25/14: Project is considered to be a “go” assuming approval from the Legal Department is obtained. 11/11/14: Johnathon indicated this presentation may need to be cancelled – can’t get Legal approval.	No	No
	Design Considerations for Switching a Furnace between Normal Operation and Decoke Mode	Ravi Lal (Technip) - Contact - Johnathon Sterne (Ineos) Reviewer - Gwen Kelley	9/25/14: Ravi suggested this topic prior to the Ethylene Producer’s Committee meeting and indicated that the abstract is essentially ready to go. He will e-mail the abstract (or have presenter e-mail) to Rob Nussbaum 11/11/14: Rob sent reminder e-mail to Ravi. 11/13/14: Ravi promised abstract by the end of next week. 2/26/15, Johnathon Sterne: Paper has been received, comments have been sent back. No concerns.	No	No

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	Pre-Start Purge Procedure for Ethylene Cracking Furnaces	Contact – David Gent (Nova) Presenter - Jeff Crowe (Nova) 403-250-4766 Reviewer – Michael Smith	11/11/14: This abstract appeared in Confex, e-mail sent to David Gent to find out some information. 11/11/14, David Gent - you could include this paper for the Safety session. I will act as the Sponsor for it. 11/13/14: Abstract uploaded to Confex. 2/26/15, David Gent: Presentation has been prepared. The legal review has been completed. Initially thought to be some problems, but now deemed a “go.”	Yes	Yes
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	Denotes paper is a “go.”
	Denotes paper is a “maybe.”
	Denotes paper is a “no go.”