

# SAFETY SUBCOMMITTEE OF THE ETHYLENE PRODUCERS COMMITTEE

November 13, 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>Discussion about Presentations for 2015 Safety Session – Attachment 3</p> <p>Attachment 3 has been updated to reflect the most current information available. In summary, the presentation by Eneos will drop out but a new submission from Nova and another from Technip were received since the last subcommittee meeting. Four abstracts have been uploaded to this point. The abstract from Technip has not yet been received but will be received by the end of next week per Ravi Lal; this will make a total of five uploaded abstracts. Johnathan Sterne will upload a “placeholder” abstract in the meantime to reserve a spot for Technip.</p> <p>Individuals volunteered to serve as paper reviewers and these individuals are reflected in Attachment 3. The reviewers are responsible for reviewing the corresponding papers when available and providing feedback to the key stakeholders (author of the paper and contact individual listed in Attachment 3). The contact individuals listed in Attachment 3 should also make plans to review the papers before they are formally uploaded.</p> <p>Discussion took place about the importance of the authors/presenters having an understanding of the guidelines and preferences (font size and so forth) pertaining to the papers and presentations. Johnathan Sterne will coordinate a teleconference (or teleconferences) with the authors to review the guidelines with them.</p> <p>Contact persons listed in Attachment 3 have the primary responsibility for working with the authors of the papers to get the papers completed and submitted. Contact persons should make plans to interface with the authors to ensure the dates listed in the next agenda item are met.</p>
3.	<p>Various Deadlines Pertaining to the Papers and Conference</p> <p>The group reached consensus on the following “due dates” pertaining to papers (extended abstracts):</p>

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	<ul style="list-style-type: none"> <li>➤ January 30, 2015 - rough draft submitted to contact person, session chairs, and reviewers.</li> <li>➤ February 27, 2015 – final paper submitted to “ .”</li> </ul> <p>The dates above provide about two weeks of contingency time before the official upload deadline of March 13.</p>
4.	<p>New Business – Next Training Module by the Ethylene Producer’s Committee</p> <p>Per the request of the Knowledge Management Subcommittee, the group brainstormed a list of proposed safety-related training modules to be considered for development. That list included the following (in order of items mentioned):</p> <ul style="list-style-type: none"> <li>. Ethylene Physical Characteristics and Decomposition Hazard</li> <li>. Propylene Physical Characteristics</li> <li>. NOX Gums Issues in Ethylene Plants</li> <li>. Burner Management Systems Overview</li> <li>. Butadiene Special Safety Considerations</li> <li>. Storage and Cleaning of (floating roof) Tanks</li> <li>. Emergency Isolation Valve Applicability in Ethylene Plants</li> </ul> <p>The group also discussed the possible wisdom of the Knowledge Management Committee simply selecting any previously-presented safety papers for conversion to a training module. One approach along these lines could be to just select the 20% “best” papers/presentations. Part of the logic here is that any safety topic suitable for presentation at a conference is probably suitable for a training module.</p>
5.	<p>Review of Action Register – The action register was reviewed and updated; see Attachment 2.</p>
6.	<p>Remaining 2014-2015 Meeting Dates</p> <ul style="list-style-type: none"> <li>• <del>August 14, 2014</del></li> <li>• <del>September 25, 2014</del></li> <li>• <del>November 13, 2014</del></li> <li>• <del>January 15, 2015*</del></li> <li>• <del>March 5, 2015 (if necessary)*</del></li> </ul> <p>* Consensus was reached during the main committee meeting to have only one more meeting prior to the April conference. That meeting will be on <b>Thursday, February 26</b>.</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			
Balinsky, Anne (Chevron Phillips)			✓	✓		✓			
Berret, Jake (Williams)									
Darbonne, Toby (Westlake)						✓			
Fox, Rob (LyondellBassell) Session Co-chair				✓	✓	✓			
Gent, David (Nova)			✓	✓	✓				
Kelley, Gwen (Shell)			-	✓		✓			
Mahalingam, Sankar (Technip) Session Co-chair			✓		✓	✓			
Melching, Jeff (Dow)				✓		✓			
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)			-	-	✓	✓			
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	

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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 <a href="mailto:Andre.Bernard@novachem.com">Andre.Bernard@novachem.com</a> Contact – David Gent <a href="mailto:David.Gent@novachem.com">David.Gent@novachem.com</a> Reviewer – Mark Schmidt <a href="mailto:mark.b.schmidt@dupont.com">mark.b.schmidt@dupont.com</a>	Draft abstract in hand. 8/14/14: David reiterated that Andre can provide this presentation. 11/13/14: Abstract uploaded to Confex.	Yes	Yes
	Assessment Methods to Prevent Brittle Fracture Failure	Presenter - Kannan Subramanian, Stress Engineering Services Contact - Sankar Mahalingam <a href="mailto:smahalingam@technip.com">smahalingam@technip.com</a> Reviewer – Trobie Thompson <a href="mailto:trobie.thompson@us.sasol.com">trobie.thompson@us.sasol.com</a>	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.	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) <a href="mailto:Rob.Fox@lyondellbasell.com">Rob.Fox@lyondellbasell.com</a> Reviewer – Jeff_Melching <a href="mailto:melchijs@dow.com">melchijs@dow.com</a>	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.	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: Johnathan 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) - <a href="mailto:rlal@technip.com">rlal@technip.com</a> Contact - Johnathon Sterne (Ineos) Reviewer - Gwen Kelley <a href="mailto:gwen.kelley@shell.com">gwen.kelley@shell.com</a>	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.	No	No
	Pre-Start Purge Procedure for Ethylene Cracking Furnaces	Contact – David Gent (Nova) Presenter - Jeff Crowe (Nova) <a href="mailto:Jeff.Crowe@novachem.com">Jeff.Crowe@novachem.com</a> 403-250-4766 Reviewer – Michael Smith <a href="mailto:micheal.e.smith@exxonmobil.com">micheal.e.smith@exxonmobil.com</a>	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.	Yes	Yes

Denotes paper is a “go.”

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	Denotes paper is a “maybe.”
	Denotes paper is a “no go.”