

SAFETY SUBCOMMITTEE OF THE ETHYLENE PRODUCERS COMMITTEE

September 25, 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>
3.	<p>Discussion about Possible Presentations for 2015 Safety Session – Attachment 3</p> <p>The possibility of an update on NOX gums issues was discussed. David Gent will follow up on this possibility.</p> <p>Rob asked each of the contact individuals listed for the presentations shown as “green” to get in touch with the authors and let them know that their papers have been accepted – they should proceed.</p>
5.	<p>Review of Action Register – see Attachment 2.</p> <p>The action register was reviewed and updated; a four new entries were made.</p>
6.	<p>Remaining 2014-2015 Meeting Dates</p> <ul style="list-style-type: none"> • August 14, 2014 • September 25, 2014 • November 13, 2014 • January 15, 2015 • March 5, 2015 (if necessary)

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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				
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)				✓					
Mullenix, David (Sasol) → Trobie Thompson				✓					
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			✓	✓	✓				
Trobie Thompson (Sasol)			-	-	✓				
Zych, Larry (BASF)									

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Attachment 2 - Action Register			
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.
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.
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.
9/25/14	Follow up on possibility of update from NOX gums subcommittee	David Gent	
9/25/14	Follow up on the possibility of a review pertaining to line blinds by a BASF representative (Tim Zigula)	Rob Nussbaum	
9/25/14	Issue another plea for paper possibilities	Rob Nussbaum	
9/25/14	Consider possibility of a teleconference to increase member participation.	Rob Nussbaum	

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Attachment 3 – Possible Safety Presentations for 2015 Ethylene Producers’ Conference			
Session Chair – Johnathan Sterne (Eneos)			
Session Co-Chair – Rob Fox (LyondellBassell) and Sankar Mahalingam (Technip)			
	Paper Topic	Presenter and Subcommittee Contact Person	Comments
	Evaluating The Potential For Cold Brittle Fracture in Ethylene Plants through Dynamic Simulation	Presenter - André Bernard, Process Design Engineer, NOVA Andre.Bernard@novachem.com Contact – David Gent David.Gent@novachem.com	Draft abstract in hand. 8/14/14: David reiterated that Andre can provide this presentation.
	Mechanical Aspects of Brittle Fracture	Presenter - Kannan Subramanian, Stress Engineering Services Contact - Sankar Mahalingam smahalingam@technip.com	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.
	Brittle Fracture of Ethylene Vaporizers	Presenter – Shrutika Agrawal, Reliance Industries, shrutika.agrawal@ril.com Contact – Rob Fox	8/14/14: e-mail address in hand, Rob Fox to contact Shrutika. 9/25/14: Abstract received was “Failure Analysis of Methanol Evaporators.” This one does not seem to be related to ethylene production and also does not have a strong process safety bent. Rob Fox is to get back in touch with Shrutika.
	Incident Analysis of a Steam Line Failure at LyondellBasell European Cracker	Presenter – Anne-Sophie (Lyondell Bassell) Contact – Rob Fox (Lyondell Bassell) Rob.Fox@lyondellbasell.com	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.

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
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Corrosion Under Insulation (CUI) Test Methods for Complicated Pipe Branches	Presenter – Astor Harris, Phoenix Park Gas Processors Ltd., email? Contact – Johnathan Sterne	8/14/14: Johnathan to follow up, he believes he has e-mail. 9/25/14: Attempted contacts by Johnathan Sterne, both by phone and e-mail, have been unsuccessful.
Corrosion Under Insulation (CUI)	Presenter – Mike Milanowski, SASOL, email? Contact – David Mullinex - david.mullenix@us.sasol.com	8/14/14: David indicated that this entry represented a desire to hear a presentation, not give a presentation.
Cold Box Failure Mechanism and Prediction	Presenter – Mike Milanowski, SASOL, email? Contact – David Mullinex - david.mullenix@us.sasol.com	8/14/14: David indicated that this entry represented a desire to hear a presentation, not give a presentation.
Review of Williams Incident with Focus on Learnings for the Industry	Presenter – Contact – Jake Berrett, jake.berret@williams.com	Probably not going to be allowable; CSB must finish their investigation first and issue the corresponding report.
Lessons Learned through Commissioning New Ethane Cracking Facilities at Ineos	Contact – Johnathon Sterne	9/25/14: Johnathon indicated that this presentation was discussed in-house and conclusion reached that there really isn't anything meaningful to present.
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.
Design Considerations for Switching a Furnace between Normal Operation and Decoke Mode	Ravi Lal (Technip) - rlal@technip.com	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

	Denotes paper is a “go.”
	Denotes paper is a “maybe.”

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 Denotes paper is a “no go.”