

**ETHYLENE PRODUCERS COMMITTEE
SAFETY SUBCOMMITTEE**

October 10, 2013 Meeting Minutes

Meeting Attendance

	7-Mar-13	6-Jun-13	22-Aug-13	10-Oct-13	21-Nov-13	30-Jan-14		
Anne Balinsky (Chevron Phillips), session co-chair			✓	X				
Jake Barrett (Williams)			n/a	n/a				
Toby Darbonne (Westlake)			✓	✓				
David Gent (Nova)			✓	✓				
Michael Kennedy (LyondellBasell)			✓	✓				
Roy Lucas (Lummus)			X	X				
Sankar Mahalingham (Technip)			✓	✓				
Jeff Melching (Dow)			✓	✓				
Michael Moran (Exxon-Mobil)			✓	X				
David Mullenix (Sasol)			✓	✓				
Rob Nussbaum (Eastman), chair			✓	✓				
David Smith (BASF)			X	X				
Johnathan Sterne (INEOS)			✓	X				
Rick Swain (Shell), session chair			X	X				
Jack Tindel (DuPont)			✓	X				
Larry Zych (BASF)			X	✓				

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>“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>

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2.	<p>Update on Paper Possibilities – all.</p> <p>See updates in Attachment 3. There are currently five abstracts in hand and Rick Swain has promised #6. Rick was assigned an action item to upload the abstracts to the Confex system; the deadline for uploads is October 31.</p>
3.	<p>Approach to Embrittlement Workshop</p> <p>Discussion took place about the approach to the embrittlement workshop. In particular, Rob mentioned that the Technology Subcommittee had indicated an interest in providing the primary coordination for the workshop. Members present indicated that sounded fine. In general, members present also made favorable comments about the possibility of this workshop (several were present at the previous workshop by Ralph King in the 2006 timeframe). Mike Kennedy indicated that he would be happy to contact Ralph for further confirmation; Mike will follow up accordingly,</p>
4.	<p>Other Business</p> <p>Paul was in the room and he indicated the session chair can upload the brief abstract on behalf of the author (no concern with that like there is with uploading the extended abstract). The deadline for abstract uploads is October 28. Rick Swain had previously indicated that he would carry out the upload function; Rick should contact other subcommittee members as needed for an electronic copy of the abstract.</p>
5.	<p>Review of Action Register – see Attachment 1.</p>
6.	<p>Next Meeting: The next meeting will coincide with the next Ethylene Producer’s Committee meeting and will take place at 4:30 pm at the same location. The scheduled dates are:</p> <ul style="list-style-type: none">• August 22, 2013• October 10, 2013• November 21, 2013• January 30, 2014

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Attachment 1 - Action Register			
Date Added	Action Item	Steward	Status
6/6/13	Contact prospective presenters for a brief abstract.	Rick Swain	8/22/13: Contacts attempted, feedback received from most. No response from Subhadra Devi subhadra.gollapalli@ril.com or Ajay Vaja ajay.vaja@ril.com advaia@yahoo.com
6/6/13	Raise with the main committee the issue of session chairs loading the papers (AICHE provided feedback that we are not supposed to do this).	Rob Nussbaum	6/6/13: Complete, action item taken by a main committee member (Greg Yeo) to follow up on this.
6/6/13	Contact members of the NOX Subcommittee to determine their planned path forward.	Rick Swain	
6/6/13	Subcommittee members seek paper recommendations/commitments within their respective companies	All	Complete.
8/22/13	Consider the possibility of Ralph King conducting a workshop on auto-refrigeration	Rick Swain/ Anne Balinsky	10/10/13: Complete, Rick has been in contact with Ralph and Mike Kennedy will perform some follow-up.
8/22/13	Contact Robert Krinock (Dow) at RJKrinock@dow.com about the auto-refrigeration topic planned by the Technology Subcommittee	Rick Swain	10/10/13: Complete, Rick has been in contact with Robert.
10/10/13	Contact Ralph King about the workshop potential since Ralph and Mike were previously co-workers	Mike Kennedy	
10/10/13	Contact subcommittee members for electronic versions of the abstracts and upload abstracts (six excluding the potential workshop) by the October 28 deadline.	Rick Swain	

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Attachment 2 - Member List for EPC Safety Subcommittee

Members:

Anne Balinsky	(E-mail)	balinam@cpchem.com
Jake Berret	(E-mail)	jake.berret@williams.com
Toby Darbonne	(E-mail)	tdarbonne@westlake.com
David Gent	(E-mail)	gentdr@novachem.com
Roy Lucas	(E-mail)	rnluucas@cbi.com
Michael Kennedy	(E-mail)	michael.kennedy3@lyondellbasell.com
Sankar Mahalingham	(E-mail)	smahalingam@technip.com
Jeff Melching	(E-mail)	melchijs@dow.com
Michael Moran	(E-mail)	michael.moran@exxonmobil.com
David Mullenix	(E-mail)	david.mullenix@us.sasol.com
Rob Nussbaum	(E-mail)	rnussbaum@eastman.com
David Smith	(E-mail)	david.l.smith@basf.com
Rick Swain	(E-mail)	rick.swain@shell.com
Jack H Tindel	(E-mail)	Jack.H.Tindel-1@usa.dupont.com
Larry Zych	(E-mail)	Laurence.zych@basf.com
Jonathan Sterne	(E-mail)	jonathan.sterne@ineos.com

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Attachment 3 – Possible Papers for Safety Session at 2014 Ethylene Producers’ Conference		
Paper Topic	Safety Subcom. Contact Person	Comments
EEPC Ineos Fire	David Gent Johnathan Sterne	6/6/13: David has forwarded a corresponding paper which was presented at the European conference. 8/22/13: Jonathon Sterne is to follow up internally; he indicated that he is fairly sure who he needs to contact within Ineos. 9/27/13: Abstract is in hand , direct contact (author?) is Dr. Christoph Breitkopf Christoph.Breitkopf@ineos.com
Dow Safety Reporting	Jeff Melching	6/6/13: Jeff recommends dropping this because the paper is quite old at this point
DuPont paper for Hurricane Ike recovery focusing on Mechanical and Instrumentation	Jack Tindel	6/6/13: Jack has an abstract available. This paper basically covers the actual recovery from Hurricane Ike. 8/22/13: Jack indicated that the paper is ready to go and has actually been presented before in another setting. 8/26/13: Abstract in hand (Frank Irving is the author/presenter).
LyondellBaselle Paper on safety practices to manage an ethylene decomposition hazard	Mike Kennedy	6/6/13: Mike indicated that he is familiar with this basic topic and paper. He will follow up. 8/22/13: Steve Coleman is the technical expert pertaining to this. He is willing but not eager due to current workload. Mike will do some “arm twisting” with Steve. 8/26/13, Mike Kennedy: I have already talked with Steve Coleman regarding a general safety paper on ethylene decomposition, including what it is, how to prevent, potential hazards, etc. He has agreed to write and deliver the paper for us. He will have abstract for me at our October meeting. 10/10/13: Abstract in hand (Mike handed out an abstract at the meeting).
Safety Considerations for Entering a Cold Box	Rick Swain	6/6/13: Rick may be the actual presenter or he may work with another individual to do that. 10/10/13: Rick has committed to writing the abstract and paper and to delivering the presentation.
Atmospheric Storage Tanks	?	6/6/13: Nobody present at the 6/6/13 meeting was familiar with this proposal. 8/22/13: Still nobody familiar with this one — scratch it. Mike Kennedy did share an

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		incident that occurred at his firm which involved a tank nearly failing from external pressure as the result of a mud-dobber.
1500 # Steam Line Failures	Toby Darbone?	8/22/13: Toby indicated that hairline crack occurred at his firm after 22 years of service. The problem was found as a small leak and repaired before an incident occurred. The cause of the crack was inconclusive.
Auto-refrigeration/ Brittle Fracture Prevention	Rick Swain	6/6/13: Rick to contact Ralph King ralph.king@stress.com 8/22/12: Ralph has agreed to write a paper or lead a workshop. 10/10/13: Rick has not received an abstract from Ralph King and is thus becoming somewhat concerned. However, an e-mail received from Ralph on 9/18/13 indicated that he is agreeable to conducting the workshop.
Relief Valve Sizing for Ethane, Ethylene, and Propylene Services	Sankar Mahalingham (Technip)	6/6/13: Rick to contact Charles Herzog cherzog@technip.com 8/22/13: Charles has submitted an abstract internally for approval. ~9/1/13: Abstract in hand (written by Charles Herzog). 9/17/13: Presentation cancelled because of work schedule and family issues.
Relief Valve Sizing Presentation by Smith & Burgess	Mike Kennedy	9/17/13: New possibility as a replacement paper for the previous entry which has fallen out. Mike Kennedy is to approach a Smith & Burgess representative during an upcoming training class conducted by that firm. 10/10/13: Abstract in hand (Mike handed out an abstract at the meeting).
Prevention of Brittle Fracture Scenarios in Olefins Plants (Dow)	Jeff Melching	9/11/13: Abstract in hand , author is Werner A. Verdurmen. 10/10/13: Jeff confirmed the plan during the meeting. He indicated that the bulk of the presentation will involve a brittle fracture failure associated with the base of a flare system.
Quench Tower Failure in Gas Cracker due to Quench Tower Design.	Rick Swain	6/6/13: Rick to contact Subhadra Devi subhadra.gollapalli@ril.com . 8/22/13: Rick has sent an e-mail but no reply received.
Loading and Unloading of	Rick Swain	6/6/13: Rick to contact Ajay Vaja ajay.vaja@ril.com

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Molecular Sieve and Catalyst		advaja@yahoo.com 8/22/13: Rick has sent an e-mail but no reply received.
Safe and Easy start-up of Ethylene Plant with Start-up Sequence	Rick Swain	6/6/13: Rick to contact Ajay Vaja ajay.vaja@nri.com advaja@yahoo.com 8/22/13: Rick has sent an e-mail but no reply received.