

**ETHYLENE PRODUCERS COMMITTEE
SAFETY SUBCOMMITTEE**

November 21, 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	n/a			
Toby Darbonne (Westlake)			✓	✓	X			
David Gent (Nova)			✓	✓	✓			
Michael Kennedy (LyondellBasell)			✓	✓	✓			
Roy Lucas (Lummus)			X	X	X			
Sankar Mahalingam(Technip)			✓	✓	X			
Jeff Melching (Dow)			✓	✓	X			
Michael Moran (Exxon-Mobil)			✓	X	✓			
David Mullenix (Sasol)			✓	✓	X			
Rob Nussbaum (Eastman), chair			✓	✓	✓			
David Smith (BASF)			X	X	X			
Johnathan Sterne (INEOS)			✓	X	✓			
Rick Swain (Shell), session chair			X	X	X			
Jack Tindel (DuPont)			✓	X	X			
Larry Zych (BASF)			X	✓	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>Updates on Planned Safety Sessions – Rick and Anne.</p> <p>Anne indicated that the six papers represented in Attachment 3 have been accepted. Anne indicated that she does not have any concerns about the General Safety Session.</p> <p>Rick was not available to talk about the afternoon session pertaining to Low-temperature Embrittlement, but there are no known concerns that Anne or Rob are aware of. There is a need to finalize the panel discussion participants</p>
3.	<p>Other Business</p> <p>Some discussion took place about the possible need to enroll some other subcommittee members in either extended abstract review or logistical issues at the conference. Rob will issue a corresponding e-mail to Rick to initiate activity along these lines. This could include the possibility of “planting questions” for the panel discussion.</p>
4.	<p>Review of Action Register – see Attachment 1.</p>
5.	<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 or Advaja advaja@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 Yost) to follow up on this.
6/6/13	Contact members of the NOX Subcommittee to determine their planned path forward.	Rick Swain	11/21/13: Mike Moran indicated that the NOX group has been idle for several months and he “owns” the follow-up on this (will initiate activity once travel schedule subsides).
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 Hulsasky	11/19/13: Complete, Rick has been in contact with Ralph and Mike Kennedy will perform some follow-up
8/22/13	Contact Robert Kennedy (Dow) at RKenned@dlw.com about the auto-refrigeration topic planned by the Technology Subcommittee	Rick Swain	11/19/13: Complete, Rick has been in contact with Robert
10/1/13	Invite Ralph King to attend workshop presentation since Ralph and Mike were previously co-workers	Mike Kennedy	11/19/13: Complete, Ralph King workshop is included in the afternoon session
10/1/13	Contact all committee members for electronic versions of the abstracts and upmost abstracts (excluding the potential workshop) by the October 28 deadline	Rick Swain	11/21/13: Complete
11/21/13	Contact Rick Swain to ensure that the embrittlement workshop has been finalized and locked down. There is also a need to finalize the panel discussion participants if not already done.	Rob Nussbaum	
11/21/13	Contact Christoph Breitkopf to confirm his plan to be the presenter for the Eneos-related item in the General Safety Session	Johnathan Sterne	11/22/13, Jonathan Sterne: Rob, I exchanged some emails with Christoph this morning. He is still planning on attending the EPC and presenting his paper.

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Attachment 2 - Member List for EPC Safety Subcommittee

Member	Company	e-mail Address	Work Phone	Cell Phone
Anne Balinsky	Chevron-Phillips	balinam@cpchem.com	281-359-6559	713-818-0437
Jake Berret	Williams	jake.berret@williams.com	225-642-2169	225-281-5805
Toby Darbonne	Westlake	tdarbonne@westlake.com		
David Gent	Nova	gentdr@novachem.com	403-754-4620	403-352-1586
Roy Lucas	Lummus	rlucas@cbi.com		
Michael Kennedy	LyondellBasell	michael.kennedy3@lyondellbasell.com	281-862-5145	281-684-2305
Sankar Mahalingam	Technip	smahalingam@technip.com	281-848-5169	713-972-5110
Jeff Melching	Dow	melchijs@dow.com	409-948-5395	832-419-8594
Michael Moran	ExxonMobil	michael.moran@exxonmobil.com	281-834-0480	281-772-4120
David Mullenix	Sasol	david.mullenix@us.sasol.com	713-570-0668 (primary) 337-494-5385 (secondary)	
Rob Nussbaum	Eastman	rnussbaum@eastman.com	903-237-6357	903-235-6822
David Smith	BASF	david.l.smith@basf.com		
Rick Swain	Shell	rick.swain@shell.com	281 544 7365	832 373 8341
Jack H Tindel	DuPont	Jack.H.Tindel-1@usa.dupont.com	409-886-6998	409-670-5601
Larry Zych	BASF	Laurence.zych@basf.com	409-960-5556	Cell -- N/A
Jonathan Sterne	Ineos	jonathan.sterne@ineos.com	832-377-6222	281-793-8181

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Attachment 3 - General Safety Session at 2014 Ethylene Producers' Conference		
Chair – Rick Swain (Shell) - rick.swain@shell.com		
Co-Chair – Anne Balinsky (Chevron Phillips) - balinam@cpchem.com		
Paper Topic	Presenters	Comments
Köln Ethylene Pipeline and Acrylonitrile Tank Fire	Christoph Breitkopf (Ineos)	Abstract has been uploaded. Jonathan Sterne indicated that Christoph has indicated intent to come to the conference to present. However, Jonathan is getting a little nervous because Christoph has been “absent” electronically Jonathan will follow up (and be the presenter as needed). 11/22/13, Jonathan Sterne: Rob, I exchanged some emails with Christoph this morning. He is still planning on attending the EPC and presenting his paper.
Hurricane Ike Recovery - Electrical & Instrument Systems	Frank Irving (DuPont)	Abstract has been uploaded.
Safety Considerations When Entering a Cold Box after an Exchanger Leak	Rick Swain and Greg Jones (Shell)	Abstract has been uploaded. Anne indicated that the presenter will be Greg Jones.
Ethylene Decomposition: A Review	Steve Coleman (Lyondell-Basell)	Abstract has been uploaded. Anne verified that Steve will be the presenter.
Pressure Relief Valve Sizing Concerns for Valves in Ethylene, Propylene, and Ethane Service	Dustin Smith (Smith&Burgess)	Abstract has been uploaded. Anne verified that Dustin Smith will be the presenter.
Prevention of Brittle Fracture Scenarios in Olefins Plants	Werner A. Verdurmen (Dow)	Abstract has been uploaded. Anne verified that Werner will be the presenter.

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Attachment 4 – Safety/Technology Joint Session: Low Temperature Embrittlement Workshop		
Chair – Rick Swain (Shell) - rick.swain@shell.com		
Co-Chair – Bob Krinock (Dow) - RJKrinock@dow.com		
Paper Topic	Presenters	Comments
PHA Methodology and Training Practices Addressing Auto-Refrigeration Brittle Fracture	Craig Thompson and Mike Korst (both with Equistar Chemicals)	New addition since last Subcommittee meeting. Mike Kennedy indicated that he is familiar with the incident that the presenters will be talking about; Mike Korst was actually present at that incident and thus has first-hand information (should be a very good presentation).
Tutorial on Auto-Refrigeration and Brittle Fracture Analysis (Part 1)	Ralph King (Stress Engineering Services)	
Tutorial on Auto-Refrigeration and Brittle Fracture Analysis (Part 2)	Ralph King (Stress Engineering Services)	
Low Temperature Embrittlement/Auto-Refrigeration Incidents Panel Discussion	Bob Krinock (Dow) and Rick Swain (Shell)	Anne indicated that this may be a presentation followed by a 5 th item for the panel discussion. This needs to be clarified. Additionally, there is a need to finalize the participants in the panel discussion. Rob will follow up with Rick Swain on this. Anne indicated that she believes Ralph King, Rick Swain, Craig Thompson, Mike Korst, and Werner Verdurmen will be the participants.