

**ETHYLENE PRODUCERS COMMITTEE
SAFETY SUBCOMMITTEE**

August 22, 2013 Meeting Minutes

Subject: EPC Safety Subcommittee Meeting
Location: Hilton Doubletree Greenway Plaza

Date: August 22, 2013 @ 4:30 p.m.

Meeting Attendance (alphabetically by last name)	
✓ Anne Balinsky (Chevron Phillips) Jake Barrett (Williams) ✓ Toby Darbonne (Westlake) ✓ David Gent (Nova) ✓ Michael Kennedy (LyondellBasell) Roy Lucas (Lummus) ✓ Sankar Mahalingham (Technip) ✓ Jeff Melching (Dow)	✓ Michael Moran (Exxon-Mobil) ✓ David Mullenix (Sasol) ✓ Rob Nussbaum (Eastman) David Smith (BASF) ✓ Johnathan Sterne (INEOS) Rick Swain (Shell) ✓ Jack Tindel (DuPont) Larry Zych (BASF)

<p>2014 Ethylene Producer’s Conference Safety Session Key Summary Information</p> <p>Session Chair: Rick Swain (Shell) Session Co-chair: Anne Balinsky (Chevron Phillips) Number of Potential Papers: 6 (August, 2013)</p>
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Agenda Items Discussed

#	Description
1.	Welcome and introduction of Jonathan Sterne (Ineos) – Rob Nussbaum
2.	Antitrust Statement – Rob Nussbaum. The antitrust statement shown below was read at the start of the meeting. “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.”

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3.	Update on Paper Possibilities – all. See Attachment 3. At this point, six papers appear to be strong possibilities (those with green highlighting). Sankar Mahalingham volunteered to replace Rick Swain as the contact person for Technip paper pertaining to relief valve sizing (since Sankar is employed by Technip). All subcommittee members listed as the contact person were requested to work toward having an abstract in hand for the next subcommittee meeting on October 10.
4.	Other Business Anne Balinsky (Chevron Phillips) volunteered to serve as the acting co-chair of the subcommittee since Rob Nussbaum is serving as the acting chair.
5.	Review of Action Register – see Attachment 1.
6.	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: <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 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 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	
8/22/13	Consider the possibility of Ralph King conducting a workshop on auto-refrigeration	Rick Swain/ Anne Balinsky	
8/22/13	Contact Robert Krinock (Dow) at RJKrinock@dow.com about the auto-refrigeration topic planned by the Technology Subcommittee	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)	rnluccas@cbl.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	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.
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.
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.
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.
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 incident that occurred at his firm which involved a tank nearly failing from external pressure as the result of a mud-dopper.
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

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		8/22/12: Ralph has agreed to write a paper or lead a 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.
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 Molecular Sieve and Catalyst	Rick Swain	6/6/13: Rick to contact Ajay Vaja ajay.vaja@ril.com 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@ril.com advaja@yahoo.com 8/22/13: Rick has sent an e-mail but no reply received.