


# Meeting Minutes

Meeting Held: September 20, 2019

**Subject:** EPC Rotating Equipment Subcommittee Meeting (2019/20 Season)

Attendees:

Shane Harvey - Elliott	Bryan Barrington - Lyondell	
Clayton Jurica - MHI	Kevin Kisor - Man Turbo	
Smitha Vadrevu - McDermott	Luke Woodside - BHGE	
	Kazim Akhtar	
	Jim Saccone - BHGE	

Item No.	Report	Action Required By	Date
1	Safety Moment		
2	EPC heads per the following: Chair – Shane Harvey (sharvey@elliott-turbo.com) Co-Chair – Clayton Jurica ( <a href="mailto:clayton_jurica@mhicompressor.com">clayton_jurica@mhicompressor.com</a> ) Secretary – Smitha Vadrevu – McDermott (smitha.vadrevu@mcdermott.com)		
3	<b>2020 Spring Meeting and 16th Global Congress on Process Safety Houston, TX – Hilton Americas (Downtown)</b>  <ul style="list-style-type: none"> <li>- <b>Call for Abstracts Opens – Open</b></li> <li>- <b>Call for Abstracts Closes – 22 November, 2020</b></li> <li>- <b>Accept / Reject Abstracts – 13 December, 2020</b></li> <li>- <b>Schedule Ready – 8 January, 2020</b></li> <li>- <b>Program Goes Live – 17 January, 2020</b></li> <li>- <b>Draft of paper due for review – Early February 2020</b></li> <li>- <b>Final paper due for review and inclusion in pre-conference proceedings – End of February 2020</b></li> <li>- <b>Draft slides are due – Mid March 2020</b></li> <li>- <b>Conference in New Orleans – March 29-April 2<sup>nd</sup>, 2020</b></li> </ul>		
4	<ul style="list-style-type: none"> <li>- <b>Spring 2019 EPC Review of Feedback &amp; Ideas of 2020 Topics</b> <ul style="list-style-type: none"> <li>o 2019 EPC - Session Survey Results and Session Questions</li> </ul> </li> </ul>  2019 EPC - Session Survey Results and S		
5	<b>Potential Topics for Abstracts</b> Clayton to follow up with Motiva and CCC Shane to follow up on Torquemeters (Craig Holmes), Rushi Gandhi @ Linde, Dow on Noise study, CFD person at Elliott Kevin Kisor to follow up on ECT Smitha to follow up on Bloomfield Turnaround duration – Bryan Barrington Rotodynamics – How do you use software (Kelm Engineering) - Bryan Barrington to reach out		
6	Future Meeting Dates - EPC Subcommittee Meeting  <ul style="list-style-type: none"> <li>- <b>Oct 11<sup>th</sup> – McDermott to host the meeting. Meeting invite to follow (MAN, Brookshire, Texas will host)</b></li> </ul>		

## Meeting Notes

Meeting Date: November 2<sup>nd</sup>, 2018

Item No.	Report	Action Required	
		By	Date
7	<p style="text-align: center;"><b><u>Ethylene Producers Committee</u></b> <b><u>Anti-Trust Agreement</u></b></p> <p>No activity of the Committee shall involve the exchange, collection or dissemination among competitors of information, or be used 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>		

### Appendix A:

#5a	"Really good; liked bringing in operator; also, lots of examples!"
#5b	"Very good! he's a good speaker!"
#5c	"Very good subject! Too many acronyms; can it work for other CV's?"
#5d	"Subject is too common!"
#5c	"What needs to be installed physically to monitor?"
\$5c	"Not an area relevant to me; so I learnt a lot!"
#5d	"A bit too much info presented – hard to keep up!"
#5d	"Excellent presentation – good job covering topic w/o becoming sales pitch!"
#5a	"More details of implementation required!"

#33b	"If it was a "101" course, could have been more technical!"
#33c	"More of an advertisement or history; not really technical/problem highlights!"
#33d	"Very relevant, timely, insightful!"
#33c	"Nice summary of recent improvements!"
#33d	"Energy impact? Cost ratios?"
#33a	"Best paper ever on wash oil!"
#33d	"I want one!"
#33d	"Thanks!"

### Some suggestions for future papers:

<b>FROM SESSION [5]: "Reliability and Operability of Rotating Equipment in Ethylene Plants Session" Monday, April 23, 2018 09:30 AM - 11:30 AM; Orlando World Center Marriott- Room: Palms Ballroom ROYAL</b>				
MHI Machines difficulties and wrong design and how to deal with for example impellers issues and high delta P in extraction	NASER	SABIC SAUDI ARABIA	Tel: Fax: Email:	
- Water injection programs for compressors - Vibration mitigation tactics Other possibilities other than fouling	Tiffany Hester	Sasol	Tel: 601-528-0042 Fax: E-mail: <a href="mailto:tif.hester@gmail.com">tif.hester@gmail.com</a>	

## Meeting Notes

**Meeting Date: November 2<sup>nd</sup>, 2018**

Furnace mechanical issues, metallurgy, welding, refractory, counter-weights, sealing from air ingress, etc.	Cesar Torres	Ineos Olefins & Polymers 2 Miles South FM 2917 on FM 2004 Alvin, TX 77511	Tel: 281-581-3122 Fax: Email: <a href="mailto:cesar.torres@ineos.com">cesar.torres@ineos.com</a>	
Effect of water chemistry on CGC fouling	Mark Whitney	Linde Engineering	Tel: 281-717-9083 Fax: Email: <a href="mailto:mark.whitney@linde.com">mark.whitney@linde.com</a>	
Best practices regarding improved rotating equipment reliability	Nathan Reed	Westlake Chemicals	Tel: Fax: Email:	
- Compressor troubleshooting Inspections of rotating equipment	Kate Heymans	Dow Chemicals	Tel: Fax: Email:	
Need to see more field experience building on the current assets capability improvement without major hardware modification	Hussain Al Zahrani	SABIC/Sharq	Tel: Fax: Email: <a href="mailto:zahraniha@sharq.sabic.com">zahraniha@sharq.sabic.com</a>	
Solids carry over to the steam used to run those compressors	Fahad Al Milali	SABIC Saudi Arabia - Jubail	Tel: +966-5-4646-3608 Fax: Email: <a href="mailto:alfahad3608@hotmail.com">alfahad3608@hotmail.com</a>	
Surface condenser replacement overview, construction challenges etc	Megan Finstad	Dow Chemicals	Tel: 780-998-8822 Fax: Email: <a href="mailto:mfinstad@dow.com">mfinstad@dow.com</a>	

**FROM SESSION [33] "Ethylene Plant Rotating Equipment Panel Discussion" Monday, April 23, 2018 2:00 PM - 5:00 PM; Orlando World Center Marriott- Room: Palms Ballroom ROYAL**

Micheal Smith	ExxonMobil	Tel: 225-331-0122 Fax: Email: <a href="mailto:micheal.e.smith@exxonmobil.com">micheal.e.smith@exxonmobil.com</a>		
Marty Novak	Huntsman	Tel: 409-723-3425 Fax: Email: <a href="mailto:marty_novak@huntsman.com">marty_novak@huntsman.com</a>		

**FROM SESSION [78] "Ethylene Plant Operations Session", Tuesday, April 24, 2018: 8:00 AM - 11:00 AM; Orlando World Center Marriott- Room: Palms Ballroom SAGO**

Industry operating experience with SCR in ethylene furnaces	David Spicer	ExxonMobil Chemical 4500 Bayway Drive Baytown, TX 77520	Tel: 346-259-2660 Fax: Email: <a href="mailto:david.b.spicer@exxonmobil.com">david.b.spicer@exxonmobil.com</a>	
All troubleshooting subjects are greatly appreciated	Gwen Kelley	Shell	Tel: Fax: Email: <a href="mailto:gwen.kelley@shell.net">gwen.kelley@shell.net</a>	

## Meeting Notes

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Finally, some volunteers for future papers:

<b>FROM SESSION [5]: “Reliability and Operability of Rotating Equipment in Ethylene Plants Session” Monday, April 23, 2018 09:30 AM - 11:30 AM; Orlando World Center Marriott- Room: Palms Ballroom ROYAL</b>				
Yes; MHI machines and machinery concerns in olefin plants	Naser	SABIC Saudi Arabia	Tel: Fax: Email: <a href="mailto:mutairina@sharq.sabic.com">mutairina@sharq.sabic.com</a>	
Yes; Subjects: - <ul style="list-style-type: none"><li>• New anti-foulant chemistries</li><li>• Compressor anti-foulant strategies</li><li>• Nitrogen free anti-foulants</li><li>• Innovations in Furnace sulfiding agents</li></ul>	James Ondyak	Dorf Ketal 11200 Westheimer Rd. Suite 400 Houston, TX 77042	Tel: 713-419-3376 Fax: Email: <a href="mailto:james.ondyak@dorketal.com">james.ondyak@dorketal.com</a>	

<b>FROM SESSION [33] “Ethylene Plant Rotating Equipment Panel Discussion” Monday, April 23, 2018 2:00 PM - 5:00 PM; Orlando World Center Marriott- Room: Palms Ballroom ROYAL</b>				
7.	Compressor fouling and coatings	Francesca Monti	BHGE	Tel: Fax: Email: <a href="mailto:francesca.monti@ge.com">francesca.monti@ge.com</a>
8.	Unable to consider until after turnaround ending July	Marty Novak	Huntsman	Tel: 409-723-3425 Fax: Email: <a href="mailto:marty_novak@huntsman.com">marty_novak@huntsman.com</a>