

EPC Safety Subcommittee Meeting Minutes

Place: Double Tree Hilton – Greenway Plaza

Time: June 18, 2015, 4:30 – 5:30

1. Welcome / Review Agenda – J. Sterne

2. Reading of the Anti-Trust Statement – J. Sterne

“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.”

3. Review committee membership & Update

Member	e-mail address	Work/Cell	6/18	8/13	9/24	10/29	12/10	2/4/16
Balinsky, Anne (Chevron Phillips)								
Berret, Jake (Williams)			X					
Darbonne, Toby (Westlake)			X					
Fox, Rob (LyondellBassell)			X					
Gent, David (Nova)			X					
Kelley, Gwen (Shell)								
Mahalingam, Sankar (Technip)			X					
Melching, Jeff (Dow)								
Nussbaum, Rob (Eastman)								
Schmidt, Mark (DuPont)			X					
Smith, Michael (ExxonMobil)			X					
Sterne, Jonathan (Ineos)			X					
Thompson, Trobie (Sasol)								

4. Discuss committee leadership – Session Chair & Co-Chair

1. Jake Berret will commit to being the committee Co-Chair.

2. Mark Schmidt volunteered to be session chair.

5. Review 2015 session feedback & 2016 plans

Papers offered to date:

- A Novel Approach to Furnace Isolation – Bert Johnson, Smith Flow Control & Tim Zygula, BASF
 - Looked to be a good paper. Abstract is in hand. Jonathan to follow up with Tim Zygula to get the contact information and confirm availability

Papers offered from European EPC:

- Process Safety Training, Geert Vercruyssen, BASF
 - Looked to be a good paper. Presentation and abstract are in hand. Jonathan to follow up with Tim Zygula to get the contact information and confirm availability.

Ideas for new topics from the feedback

- Would a survey of EPC companies be of interest?
 - The use of onus blinds. Seems like there are mixed perceptions within industry
 - Alarm Management Metrics?
 - What are the top 5 risks?
- Examples of brittle fracture scenarios and remedial measures - Amish Jani, Reliance Industries
- Cold safety - development of scenarios and scenario analysis, like the bimetallic example in 178c - Jennifer Port, ExxonMobil
- How to keep O₂ out of system and reactor runaways and mitigation systems - Tho Tran, INEOS
- DCS operation problems and improvement - Lee Yong Gak, YNCC (Korea)
- Kindly include safety incidents that happened in new generation technologies (post-2000) in naphtha cracker plants - Tapan Mankad, Ril-Hazira India
- Fouling in CGC area - RCA & Measures - Schulze, Linde

New ideas discussed by the committee

- The use of onus blinds. Seems like there are mixed perceptions within industry and it may be good idea to hear the pros and cons
- Alarm Management Metrics
- What are the top 5 risks?
- Any examples of cause mapping on operational issues that weren't incidents.
- Any changes in the places that people are finding NORM with shale gas. Is there a paper from Sasol who found it in the furnace refractory?

Additional Paper Ideas

- Williams - Catastrophic failure of tandem seals in a propylene pump. Jake Berret will need to get legal approval. He thinks that this is 90% probability
- Williams - looking at embrittlement scenarios. He could discuss the methodology employed and the unexpected scenarios. He thinks that this has a 50% probability

Potential Themes

- NOx Gums - Is there anything new from that committee? Jonathan to ask if the NOx committee has anything new.
- Panel Session - Sounds like a good idea. No themes yet.

6. Action items

- Jonathan Sterne - Follow up with Tim Zygula to see about having the Furnace Isolation and Training Paper. Is there anything at INEOS on the DCS mistake proofing? Ask the main committee who is on the Nox subcommittee and if there is anything new.
- Jake Berret - Follow up with legal at Williams about the seal failure. Contact Think Engineering for potential papers regarding cause mapping.
- Entire committee – Continue to develop ideas for themes, ideas for panel sessions, ideas for surveys, ideas for papers from their organization.