

EPC Safety Subcommittee Minutes

Thursday, August 4, 2022 4:30 PM held at Doubletree Hotel – Greenway Plaza

Anti-trust statement

“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.”

Safety Moment

Newer operators: nothing replaces experiences. Trying to do more mentoring via situational discussion (i.e. red tag drills where experienced folks go to the field, tag the valves and show the newer operators how they carry out the procedures).

Heat safety: self awareness is important. If get too far along with heat related illness, it becomes more difficult in being aware and addressing it. Heat acclimation can be lost over a few days.

2023 Session and Committee Chair/Co-Chair

After voting and confirming among the attending members, the following persons were selected:

- **Selma Kwok - Chair Committee**
- **Jeff Elam - Chair Session**
- **Norman - Co-Chair Session**
- **Sivakumar Nayarajan - Co-Chair Committee**

Planning/topic buckets for 2022 conference

The following topics were reviewed at the meeting. Ones highlighted in yellow were selected for abstracts submission, which will be reviewed at the 10/11/22 meeting. If your name is next to the topic, please upload the abstract to the EPC site, or notify the subcommittee that the paper/presentation will unlikely progress by 10/11/22. You can also bring the abstract to the 10/11/2022 meeting. We are targeting 6 topics for the conference. Jeff Elam will be happy to help upload the abstracts when ready.

Description	Comments	Responsible Person	Likelihood	Point of Contact
Norm Experience - where norm is observed, geographical difference.	Will try to pursue this year. Abstract by 10/11.	NOVA	Medium	David Gent
Norm Experience - Measurements, Mitigation		LBI	Medium	Norman
Combustion safety tutorial - BMS, Flares, burner management	CPC tutorial and reaching out to John Zink to try and engage	CPChem	Medium	Alli
Hot Tap Safety - Vendor - TDW?	Interest	Exxon, LBI	Medium	Selma, Norman
PCP Near Miss - Shell	Will investigate	Shell	Medium	Siva
Steam Blow - Flow induced vibration		Exxon	Medium	Selma
Hot Restart following a Furnace Trip	Pyrolysis	EM	Medium	Selma
Furnace cross over piping incident - PAS stress corrosion piping		INEOS	Medium	Jeff
Acoustic vibration failure		INEOS	Low	Jeff
TPC Port Neches Incident - CSB	Investigation conclude summer 2021. Need to wait til inv	Jake Barret - CSB	Low	Jake
Coke Erosion - TLE pluggage	Interest	Eastman	Low	Darryl
Reactions in Dryers during Regeneration - Process safety for contamination	No paper	Shell, Dow, NOVA?	Low	
Mercury in Cold Boxes - Hg tolerant cold box	Limited interest	Exxon	Low	
Acetylene precipitation in Cold Box	Limited interest	?	Low	
Burner Management - Furnace Safety	Combined with Combustion safety tutorial	CPChem	Low	
Detonations at Ground Flare	2024 potential paper. Need downtime to investigate.	NOVA, Sasol, ?	Low	
Lessons Learned from Furnace Switching	Abstract not received	SABIC	Low	
Exothermic Runaway in Reactor Feed Heater	Interest high, likelihood low.	LBI	Low	
Light Ends Fouling	?	Sasol	Low	
Deadlegs	Interest from team, tie with winterization?	?	Low	
Pyrophoric polymers - trays vs. packing - chemical cleaning, TA/Maintenance	?	?	Low	
Controllers in Manual	PSM implications?	Eastman	Low	
A)Core process specific safety B) Training/retention of knowledge (people	Cold Safety. LBI and CPChem unable to shepherd	LBI (CPChem, Dow, Eastman)	Low	
NOx Subcommittee	Limited interest		Deferred	
PQE Inlet Cone Failure	Deferred	NOVA	Deferred	
Popcorn polymer - EEPC (looking to update guidelines)				
Safety issues from winter freeze - Loss of Nitrogen, winterization	Next year more possible	LBI, Shell, CPChem	No paper	
Salt Dome Storage Regen System—Change of Heating Medium	Different category	Eastman	N/A	

Key Dates

Next Subcommittee Meeting – 11-October

Abstracts Close – 25-October