

## EPC Safety Subcommittee Minutes

Thursday, June 19, 2023 4:30 PM

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

Heat advisory – stay hydrated, difficult to assess when dehydration starts, dehydration can be cumulative, plan outside work during cooler times.

### Chairs and Co-chairs Election

Session Chair – Co-chair for the 2023 EPC Norman Wilhelm will assume the role of session chair for the 2024 EPC.

Session Co-Chair - TBD

Committee Chair – Co-chair for the 2023 EPC Sivakumar Nayarajan will assume the role of committee chair for the 2024 EPC.

Committee Co-chair – Committee elected Alli Myers.

### Refresh of Committee member list

The updated member list is attached as part of the attendance list to the email submitting this meeting minutes to EPC.

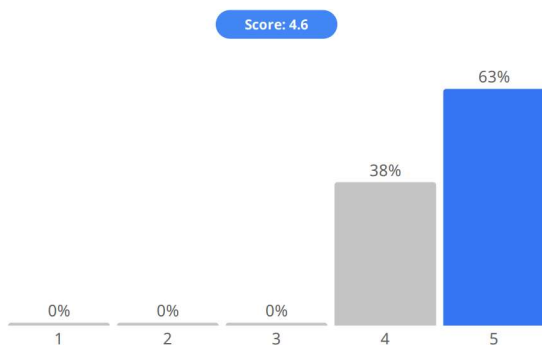
### Feedback from EPC Session

Overall, session was well attended and received (4.6/5.0). Responses were limited (8). Results are below.

Survey (1/5)

How would you rate the session overall?

0 0 8



Survey (3/5)

What topics would you like to see presented at future conferences?

0 0 2

- More education about NORM hazards and how it impact human and business
- Hazards of psv set points within 10% of the fluid critical pressure.

6 presentations and 4 papers were completed (following up on 1 paper). Slido was well used for questions.

Planning/topic buckets for 2024 conference

Committee reviewed the existing list of topics not presented from previous years. Interest level on each is noted below. Committee members are also asked to provide additional potential topics to be discussed at the next meeting.

Description	6/15/2023 Status/Comments	Responsible Person	Likelihood	SPOC	CER	Interest Level
TPC Port Neches Incident - CSB	Report published. Key learnings/causal factors and mitigations. Consider expanding beyond BD issue.	Jake Barret - CSB	Low	Jake		High
PCP Near Miss - Shell		Shell	Medium	Siva		High
Furnace cross over piping incident - PAS stress corrosion piping	Confirm for next meeting.	INEOS	Medium	Jeff		High
Acetylene precipitation in Cold Box	Limited interest. Potential tutorial.		Low			Med
NOx Subcommittee	Limited interest		Deferred	Micheal		Med
Safety Management system maintenance.	How to stay in compliance? SIL session in 2017.	Linde				Med
Steam Blow - Flow induced vibration	Paper presented at 2023 GCPS.	EM	High	Selma		Low
Coke Erosion - TLE pluggage	HEs in question does not have wide applicability. - low interest	Eastman	Low	Jake		Low
Mercury in Cold Boxes - Hg tolerant cold box	Limited interest	EM	Low			Low
Deadlegs	Interest from team, tie with winterization.	?	Low			Low
Pyrophoric polymers - trays vs. packing - chemical cleaning, TA/Maintenance activity, cleanliness standards.	Paper presented in recent EPC on EM tower incident.	?	Low			Low
Controllers in Manual	PSM implications?	Eastman	Low			Low
A)Core process specific safety B) Training/retention of knowledge (people aspect) cold safety as an example with panel	Cold Safety. LBI and CPChem unable to shepherd	LBI (CPChem, Dow, Eastman)	Low			Low
PQE Inlet Cone Failure		NOVA	Deferred			Low
Safety issues from winter freeze - Loss of Nitrogen, winterization		LBI, Shell, CPChem	No paper			Low
Popcorn polymer - EEPC (looking to update guidelines)						
Minimize Human Confined Space Entry	Not process safety.	Equate Petrochemical	Medium			?
Acoustic vibration failure		INEOS	Low	Jeff		?
Reactions in Dryers during Regeneration - Process safety for contamination with hot bed, liquid, overpressure		Shell, Dow, NOVA?	Low			?
Burner Management - Furnace Safety	Alli to provide additional detail	CPChem	Low	Alli		?
Lessons Learned from Furnace Switching		SABIC	Low			?
Exothermic Runaway in Reactor Feed Heater		LBI	Low			?
Light Ends Fouling		Sasol	Low			?
Detonations at Ground Flare	2024 potential paper. Need downtime to investigate. Information available until 2025.	NOVA, Sasol, ?	Low			NA

Key Dates

**2024 EPC**

- June 20, 2023                 Sessions and Session Chairs Due and in Confex
- June 22, 2023                 Call for Abstracts Opens
- October 25, 2023              Call for Abstracts Closes

**2023-24 EPC Cycle Dates**

Subcommittee Meeting

- ~~June 15, 2023~~
- August 10, 2023
- October 12, 2023
- December 7, 2023
- February 1, 2024

2024 AIChE Spring Meeting – New Orleans Ernest N. Morial Convention Center – March 24-28, 2024