

EPC Safety Subcommittee Minutes

Thursday, November 18, 2021 4:00 PM held via MS TEAMS Virtual Meeting

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

Planning and preparing for Thanksgiving Holiday in an operating facility

Planning/topic buckets for 2022 conference

Review below table for updates on potential paper topics

| Description | Comments | Responsible Person | Likelihood of Paper for Sessio |
|--|--|----------------------------|--------------------------------|
| Low Temperature Embrittlement Sub-Committee | Piping and temporary setup focus, reminder to send in participation for 50%. So far 10/20 confirmed. Target mid November meeting. Abstract submitted. Training with sub-committee for more data. | Selma Kwok, Siva Nayarajan | High |
| Mercury in Cold Boxes | Limited interest | Exxon | Low |
| Acetylene precipitation in Cold Box | Limited interest | ? | Low |
| Safety issues from winter freeze - Loss of Nitrogen, winterization | Next year more possible | LBI, Shell, CPChem | No paper |
| Burner Management - Furnace Safety | Backburner | ? | Low |
| Furnace Flooding with examples | Abstract submitted | Exxon | High |
| Detonations at Ground Flare | Backburner | NOVA, Sasol, ? | Low |
| PQE Inlet Cone Failure | Still working - May not back 2022 session | NOVA | Low |
| Lessons Learned from Furnace Switching | Abstract not received | SABIC | Low |
| Combustion safety tutorial - BMS, Flares, Furnace Flooding | CPC tutorial and reaching out to John Zink to try and engage | CPChem | Medium |
| Exothermic Runaway in Reactor Feed Heater | LBI to follow-up. LBI to follow up | Sasol, LBI | Low |
| Light Ends Fouling | ? | Sasol | Low |
| Deadlegs | interest from team, tie with winterization? | ? | Low |
| Low cycle fatigue failure | Abstract submitted | Exxon | High |
| Hot Tap Safety | ? | ? | Low |
| Valve education/issues (failure of valve packing during repump) | Running down potential source | Dow | Medium |
| Pyrophoric polymers - trays vs. packing - chemical cleaning | ? | ? | Low |
| Controllers in Manual | PSM implications? | Eastman | 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 |
| Warm Experience | Abstract submitted | NOVA | High |
| LPG Dryer Swapping | Update from a 2017 paper To Err is Human, how to increase automation to minimize human error | Eastman | High |
| EPC papers? | | | |

4 papers have been submitted. Further work needed quickly to generate more abstracts

Action - Subcommittee members to work with their organizations to “mine” for abstracts for topics centered on process safety, if possible, on one of the topic above; however, any good topics will definitely be considered.

Key Dates

Committee /Subcommittee meetings –

12-Aug

14-Oct

28-Oct

18-Nov

9-Dec

10-Feb

Date of Conference

April 10-14 San Antonio