

## **2018 CCPS Proposed Project**

**Proposal No.:** 1808

**Title:** Lessons Learned Years Later (the Aftermath of an Incident) – include CSB Videos

**Proposal:** Process Safety specialists have long used lessons from incidents to illustrate why it occurred and how to prevent recurrence. Our performance has generally improved to the point where large incidents are rare. A global operating company might not have experienced one in 10+ years. Using real world incidents “naturally” catch the listener’s attention and illustrate that such things really can happen. Sharing of incidents by operating companies has diminished in past 10 years

Anecdotal information indicates Attorneys are not approving dissemination due to concerns about legal Risks. Leading PS experts believe this will have an unintended cost to the industry from sharing of lessons. A form of “The Tragedy of the Commons”?

If we all wait for “the other guy” to share lessons, then soon we will only have internal lessons as examples. Small companies can’t afford to learn this way. They go out of business. But we all suffer a little when the Industry’s reputation suffers.

Many references are available for performing root cause failure analysis (RCFA), which is a powerful and recognized technique for incident investigation. However, many learnings from an incident are not fully revealed until years after the fact. This project would take existing information from multiple sources to identify lessons that were not readily available in the immediate aftermath of the incident, and develop techniques to identify and use information uncovered

**Benefits:** Having a good understanding of past incidents (what happened, how it happened, why it happened) leads us to understand how to prevent the incidents. Sharing across the industry increase knowledge and understanding. This project would supplement existing RCFA literature to extend learnings to the far aftermath of incidents

**Team Composition:**

CCPS Member company representatives, ideally skilled RCFA practitioners.

**Product:** Guideline Book; Tool;

**Recommended Development Approach:**

It is anticipated this project will be a traditional CCPS project, with a volunteer committee of subject matter experts from member companies, and a contractor or technical writer to prepare the material from the committee.

**Audience:** Process Safety Engineers and Practitioners and all personnel involved in investigating and implementing corrective actions after an incident

**Time:** 18 months to 2 years for outline development and writing, and tool development

**Cost Recovery Potential:**

Book Sales

**Sponsor:** Fred Henselwood, NOVA Chemicals

**Champion:** Pete Lodal, Eastman

**Potential Reference Materials:**

Incidents that Defined Process Safety 1<sup>st</sup> and 2<sup>nd</sup> Edition.