ABSTRACT

While dust explosion incidents are generally low probability events they can result in high consequence and can cause significant business interruptions and the reputation of the company. Several major dust accidents have occurred in the US which caused the CSB to conduct a comprehensive investigation. The CSB found that if the requirements of National Fire Protection Association (NFPA) 654 had been implemented at West Pharmaceutical Services and CTA Acoustics the incidents could have been avoided or the consequences minimized. This presentation will share an approach to developing an effective management system to prevent dust explosion, the company’s journey towards implementing and minimizing dust explosivity risks, and a few case studies.