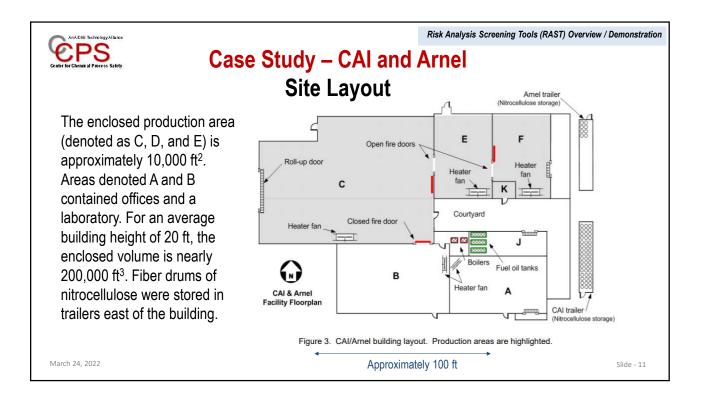
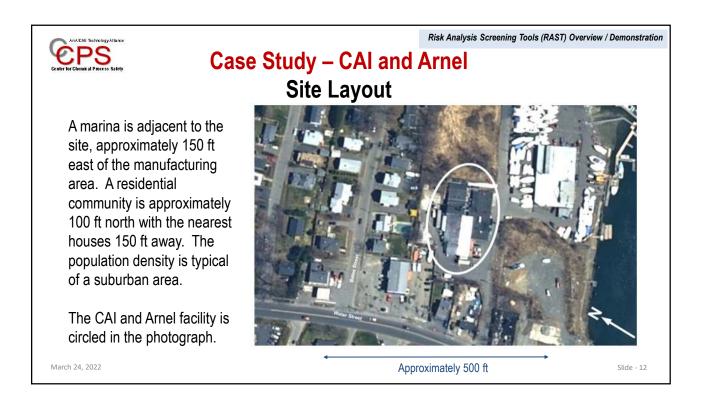
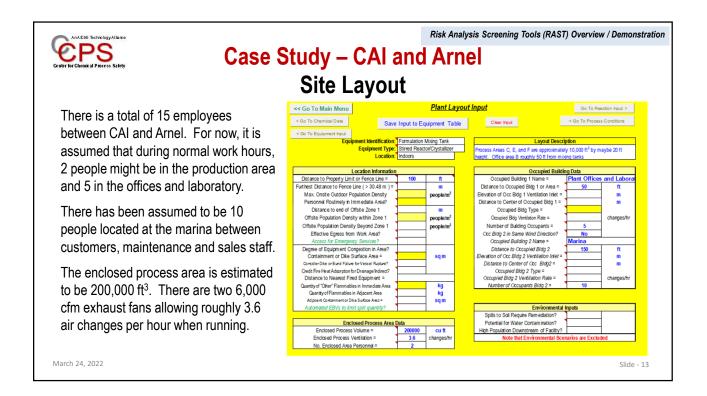
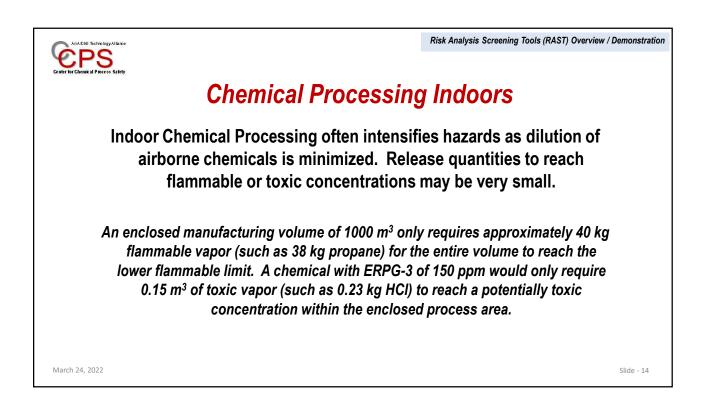


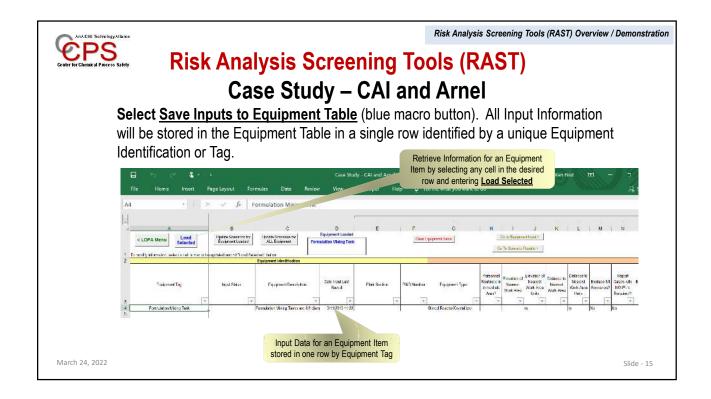
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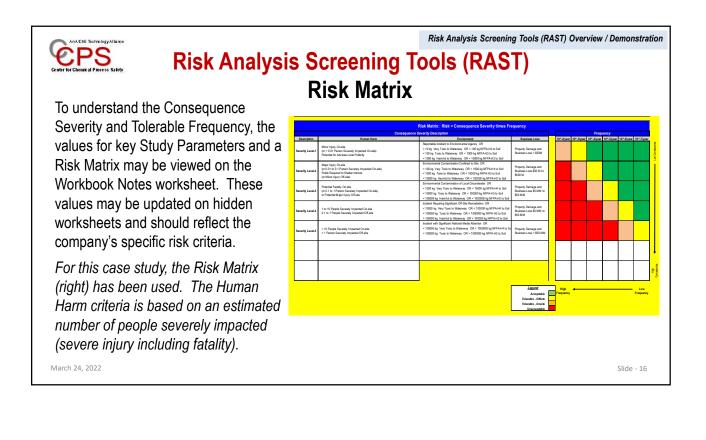


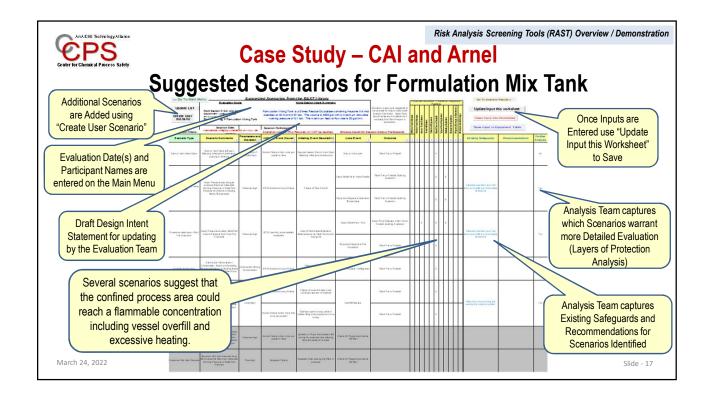


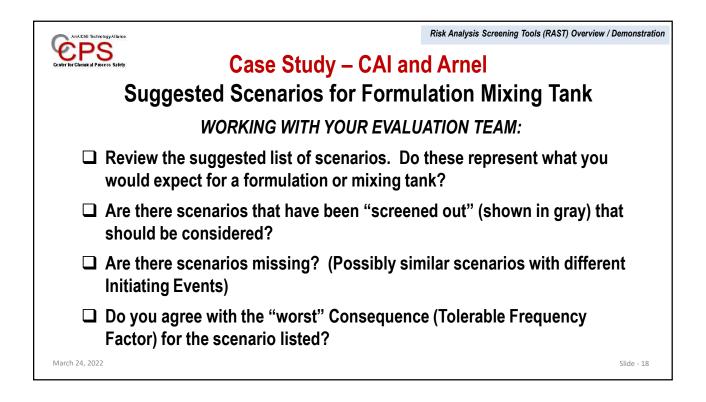


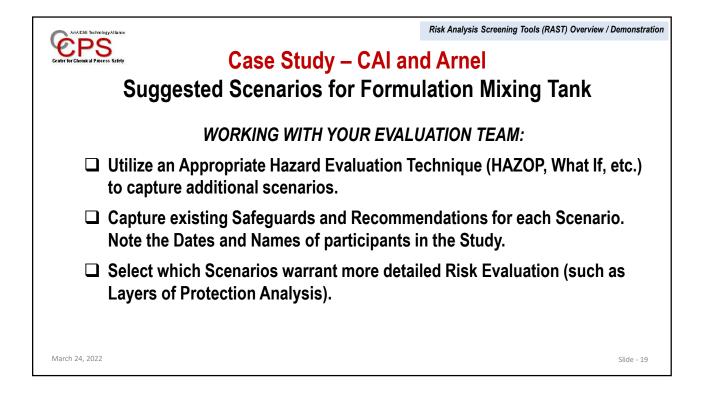


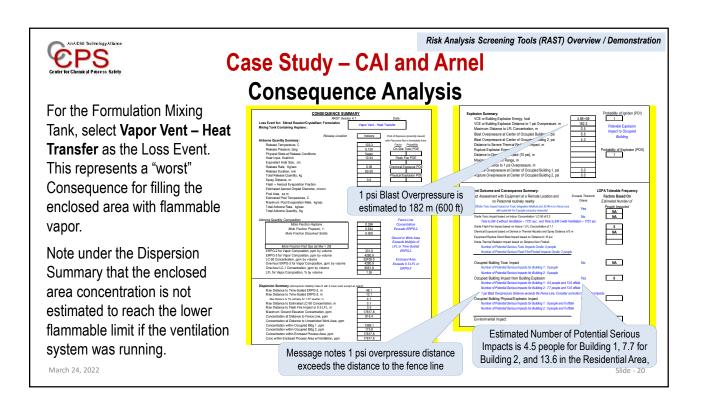


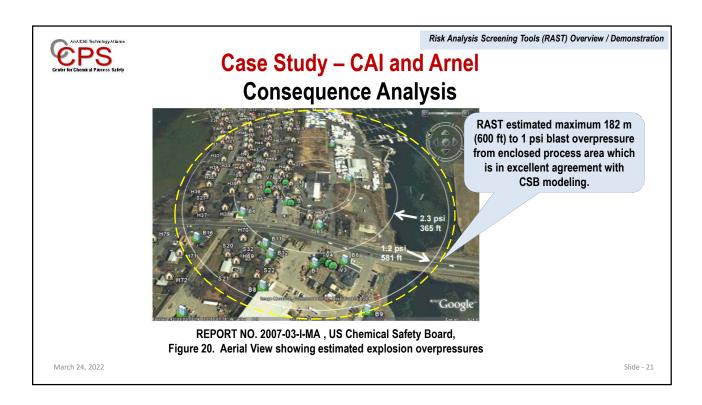


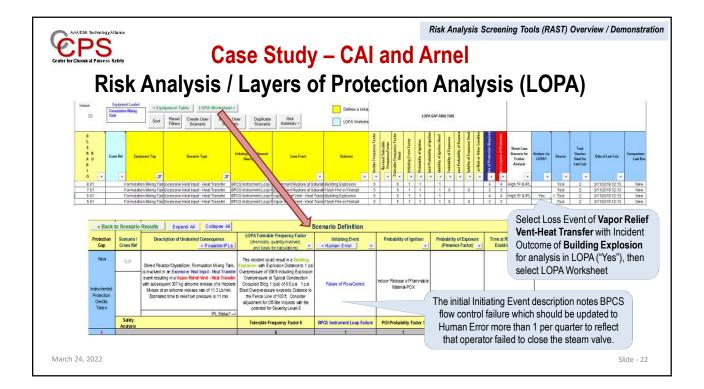


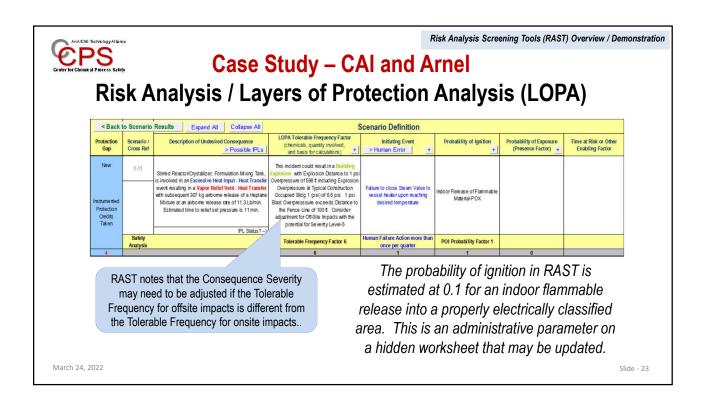


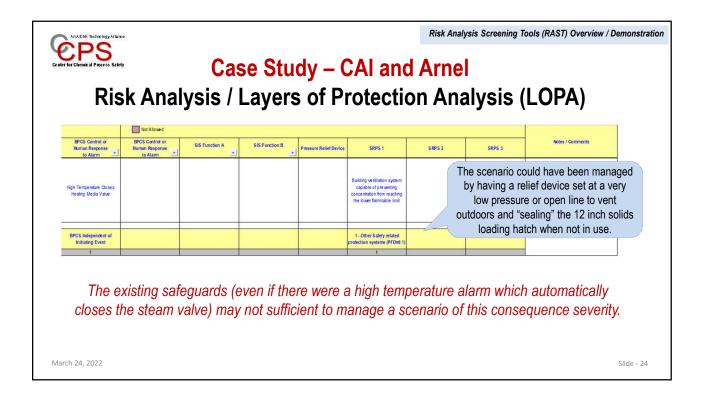














Risk Analysis Screening Tools (RAST) Overview / Demonstration

Risk Analysis Screening Tools (RAST) Case Study – CAI and Arnel

Risk Analysis and Incident Investigation often use similar methods to better understand the scenario. Risk Analysis "anticipates" what could go wrong and what the potential "worst" consequence severity may be. For Incident Investigation, the Incident Outcome and Consequences are known in addition to the actual weather conditions, wind direction, time of day, and other factors.

For the Formulation Mixing Tank, RAST did suggest Excessive H eating as one of many scenarios to consider. RAST also recognized that a Building Explosion could be a feasible Incident Outcome. The estimate blast overpressure from RAST was in excellent agreement with CSB modeling. RAST estimated 4.5 people within the enclosed process area, 7.7 in the adjacent marina, and 13.6 people in the residential area (26 people) as potential severe impacts. Fortunately, this incident occurred at night and resulted in no fatalities but 10 serious injuries, 24 houses, and 6 adjacent business destroyed.

