Process Safety Metrics: Considerations from an ASM Perspective

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Abstract

The Abnormal Situation Management (ASM) Consortium has identified a gap in the capabilities of plant incident reporting systems. Designed to support Process Safety Management (PSM) programs, current incident reporting systems do not support the plant’s need to understand and control the bottom layers of the Safety Pyramid – those dealing with near misses, unsafe behaviors, and insufficient operating discipline. These have been areas of focus in ASM research. The ASM Consortium believes that changes are needed in the process industry’s capability to identify, analyze and measure sources and impacts of abnormal situations in the plant. Moreover, advances in current practices are necessary for the successful integration of metric usage with daily work processes within the operations group to enhance operating team performance in anticipating and minimizing the impact of abnormal situations. The ASM Consortium sees an opportunity to improve the process industries alignment on metrics for process safety and abnormal situation management, particularly in the area of leading indicators and near-miss lagging indicators. The ASM Consortium sees an opportunity to improve the process industries alignment on metrics for process safety and abnormal situation management, particularly in the area of leading indicators and near-miss lagging indicators. This presentation will present the ASM perspective on metrics proposed by the CCPS.