

Mid-Atlantic Safety and Health Alliance Presentation Information and Abstract

Title of Presentation:

Continuously Improving Safety Performance with Human & Organizational Performance Fundamentals

Critical information for Introduction : (Presenter name, company being represented and position title, experience, degree information and/or certifications)

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B.S. Nuclear Engineering Pennsylvania State University
Certified Safety Professional and Associate Safety Professional
Experience in Safety at Beaver Valley Power Station (32 years), Fossil, Oil and Gas Power Stations (10 years) and President at Safety Performance LLC (7 years).

Abstract of Presentation: (300 words or less)

A systematic approach toward safety performance is a valuable strategy for any organization. A five-part safety performance model is presented. It is based on the philosophy that Human Performance **Tools** reduce errors & risks to hazards and **Defenses** (Hazard Mitigation Controls) eliminate events of consequence. Tools are focused on behaviors. Defenses “defend” against events when errors occur, or risks are taken. The systematic approach consists of the following:

Organizational Behaviors – the culture / climate of the organization.

Programs, Processes, Procedures, and Training – the foundation to achieve production and safety goals.

Hazard Risk Assessment - A risk assessment where mitigation controls, barriers, and oversight are needed to either eliminate or reduce the likelihood of an error or this risk to hazards.

Leader/Team Behaviors – Leaders are not just hierarchical (e.g., by title). Leaders are anyone willing to step up, even in the face of adversity, to do the right thing. Leaders influence every part of the systematic approach to safety performance. Teamwork is determined by how people are treated by its members, both by the supervisor and by peers.

Individual Behaviors - The word Individual can be defined as “being or characteristic of a single thing or person.” We focus on the individual when we want to reduce errors.

Learning Outcomes of the Presentation:

A safety initiative that focuses on a systematic process to improve and sustain safety performance derives its power from awareness and active participation of everyone in the organization. Active participation with the process creates a culture that is valued every day. Two learned outcomes:

- A tools and defenses approach can lead to reduced errors and zero events
- A systematic approach can yield improved safety performance.

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Any additional need for the presentation: (The RLA provides multi-media projection capability and a lapel microphone in the room)

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