Improving Process Safety by Reducing Human Error
December 7, 2010
7 PDHs/0.7 CEUs – 1-day

Human error is a contributing factor in 80-percent of process safety incidents. While significant advances have occurred on the engineered side of process safety (e.g., the design and construction of material and equipment), the human side is not as well understood and therefore often not as well managed. Investigation of human factors provides a systematic process that companies can employ to identify the underlying causes which lead to human error within their operations. When aggregated, the results of these investigations yield a set of leading indicators which can be used to monitor process safety performance and identify improvement opportunities across many elements of a process safety management system.

This course will outline how a human factors investigation process can be integrated into the analysis of process safety incidents and how these data can be used within a process safety management system to achieve continual performance improvements.

Topics:
- Overview of Human Error Theories
- Conducting Human Factor Investigations
- Using Human Factor Investigations to Identify Leading Process Safety Metrics
- Integrating Human Factor Investigation Data into Safety Management Systems

Bio:
A.W. Armstrong is a Principal with Kestrel Management Services in Austin, Texas. A.W. helps clients identify the underlying causes and factors that contribute to human error within their operations and to use the resultant data to improve their safety management systems.

Audience:
The course would provide value to professionals responsible for process safety, risk management and/or continual improvements within their organizations.

Register online at: http://engrevent.tamu.edu/event/100653
Early registration ends November 9th!