3121 Reducing Human Error in Process Safety
1-Day Course
Instructor: Mr. A. W. Armstrong

Program Content:
Human error is a contributing factor in 80-percent of process safety incidents. While significant advances have occurred on the engineering 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

Who Should Attend?
Process safety management coordinators, risk management planning coordinators, and new health, safety, and environment auditors

Dates:
October 18, 2011
March 27, 2012

Location:
Phoenix Contact Customer Technology Center; Houston, TX

0.7 CEUs	7 PDHs