Technical Progress Report
to
Office of Field Support
U. S. Department of Energy

Cooperative Agreement No. DE-FC02-96CH10850

Reporting Period: December 31, 1997 through February 22, 1998

Project Background
CCPS and the U. S. Department of Energy (DOE) entered into a cooperative agreement in March of 1996 to support the continued development of a novel measurement system for Process Safety Management. This project will focus attention on two of the twelve elements of process safety management, namely Management of Change and Training. The project includes the final development of performance indicators as well as testing of the performance measures at a number of industrial sites. This phase of the multi-phase project involves the development of generic PSM design and performance measure structure. Later the measurement system will be expanded to include 12 elements based on a generic PSM system. A subsequent phase will then finalize the specific measures for the 10 remaining elements.

Specific Tasks and Accomplishments
The work outlined in the cooperative agreement is complete, and the software supporting real-time measurement of the performance of the process safety element, Management of Change is available for use by DOE and industry. Copies of a paper describing the technical development of the measurement structure and a brochure describing the product of the cooperative agreement are enclosed with this report.

As envisioned in the cooperative agreement, the American Institute of Chemical Engineers is utilizing the knowledge gained to complete the measurement structure for the complete twelve-element Process Safety Management system. This work is funded by the Center for Chemical Process Safety and by the AIChE Foundation. The complete twelve-element product will be available in 2000.
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