

AIChE Process Safety Policy

Safe chemical processes and process operations are essential to the well-being of the workers who operate them, the communities in which they operate, the environment, and the organizations which own them. Advancing methods and education for process safety is among AIChE's highest priorities.

Process safety is "A disciplined framework for managing the integrity of operating systems and processes handling hazardous substances by applying good design principles, engineering, and operating practices." Chemical and biomolecular processes provide society with a wealth of essential and life-enhancing products. AIChE recognizes that these process operations often involve materials and energy that pose potential hazards to employees, communities, and the environment if not effectively managed.

AIChE, as the Global Home of Chemical Engineers, is committed to serving its worldwide members, industry stakeholders, related academic institutions, governmental entities, and non-governmental organizations. AIChE does this with quality technical tools, training, and information to properly identify, assess, reduce, and eliminate process-safety-related risks:

- ✓ AIChE created the Center for Chemical Process Safety (CCPS®) in 1985, as an industry technology alliance dedicated to providing relevant, vetted, quality information and tools for effective process safety management.
- ✓ AIChE's Safety and Chemical Engineering Education (SACHE®) Certificate Program is aimed to help students and educators learn process-safety fundamentals and to be recognized for their accomplishments.
- ✓ AIChE Academy develops and deploys high-quality process safety training relevant for all career stages and levels of experience.
- ✓ AIChE's Safety and Health division provides a forum for individual members "To support a connected and inclusive division membership in their effort to save lives, protect their communities, and prevent asset loss by doing their part in preventing process safety incidents."

AIChE is committed to creating a collaborative environment where all relevant stakeholders may contribute to the continual improvement of process safety performance. Continual innovation and creativity are required to improve process safety performance. AIChE recognizes that other groups, both within the chemical engineering community and in related engineering, scientific and managerial disciplines, are making significant contributions to process safety management. Progress in managing process safety is significantly enhanced through collaboration with academia, industry, trade and technical associations, insurers, and government regulators.

Through the awareness of common issues and sharing of lessons learned, our community will continue to work together to develop solutions for the greater good, manage the potential hazards, and continually improve as we manufacture essential and life-enhancing products.

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