KENAN STEVICK



CCPSC • Process Safety Expert Witness

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45 Years	90%	2 Books	5 Cases	20	Fortune 50
Industry Experience	Tier 1 Inc. Reduction	CCPS Published	Expert Witness	Exec Workshops	Chief PSE • Dow

PROFESSIONAL SUMMARY

- I am a recognized thought leader in process safety — co-author of two CCPS publications that help define the standard of care in process safety litigation and governance: *Process Safety: Leadership from the Boardroom to the Front Line* (Wiley/CCPS, 2019) and *Guidelines for Process Safety in Outsourced Manufacturing, 2nd Edition* (CCPS, 2026). When opposing counsel challenges the standard of care, my opinions carry the weight of the CCPS frameworks I helped author.
- My standard-of-care approach is grounded in 45 years of hands-on experience — 21 of them in direct operational roles including Plant Manager, Production Leader, and Site Director — running the chemical facilities where process safety is won or lost at the front line. That operational foundation distinguishes my analysis from purely academic or staff-function experts.
- At Dow Chemical (Fortune 50), across two positions I led the corporate initiative that achieved a cumulative 90% reduction in Tier 1 incidents over ten years — including a 75% reduction in Tier 1 and Tier 2 incidents in my first four years as Chief Process Safety Engineer. These results remain industry benchmarks.
- I have been retained as testifying expert in five process safety cases — involving refinery and chemical manufacturing facility fires, explosions, chemical exposures, fatalities, and property losses. Two depositions completed.
- My analytical framework is the CCPS Risk Based Process Safety methodology — applied to organizational and management system failures that create conditions for catastrophic incidents. My opinions are grounded in what actually works in practice, not merely what satisfies a standard on paper.
- I have demonstrated the replicability of my approach through 20 executive leadership workshops conducted for CCPS and adopted by the American Chemistry Council, with participating organizations reporting measurable improvement in process safety performance.
- I am a Fellow of CCPS (elected 2015) and hold the CCPS Certified Process Safety Professional (CCPSC) designation. Available as retained testifying expert (plaintiff or defense), consulting expert, deposition, trial, arbitration, and regulatory proceedings.

Detailed case citations and attorney references available upon request.

PUBLICATIONS & SCHOLARLY CONTRIBUTIONS

- **K. Stevick, S. Berger,** Guidelines for Process Safety in Outsourced Manufacturing, 2nd Edition, John Wiley and Sons / CCPS, 2026
- **K. Stevick, S. Berger,** Process Safety: Leadership from the Boardroom to the Front Line, John Wiley and Sons / CCPS, 2019
- **K. Stevick,** "Next Generation Root Cause Investigation and Analysis," 11th Global Congress of Process Safety, Austin Texas, 2015

- **K. Stevick, S. Kadri,** "Process Safety Leading Indicators Survey," Process Safety Progress, AIChE/Wiley, 2014

PROFESSIONAL EXPERIENCE

Principal & President *Apr. 2016 – Present*

KPS Inc. — Chemical Process Safety & Risk Management Solutions

Independent process safety practice serving chemical, petrochemical, and pharmaceutical clients across three integrated service areas. All engagements delivered personally.

- Expert witness testimony in process safety litigation: five cases retained, two depositions completed
- I co-developed and personally deliver the CCPS executive leadership workshop on process safety governance, based on the book I co-authored; 20 workshops conducted for executive teams including CEOs; adopted by the American Chemistry Council as a standard intervention for member companies
- Instructor for 15 CCPS Fundamentals of Risk Based Process Safety courses, providing foundational process safety training to industry practitioners
- Board and executive process safety governance assessments against CCPS standard of care frameworks
- Board-commissioned PSMS assessment across multiple U.S. sites and corporate headquarters for a major specialty chemical company, using the CCPS Risk Based Process Safety framework; company achieved 50% reduction in Tier 1 & 2 incidents within three years; ongoing executive advisory relationship
- Incident investigation and root cause analysis with MS corrective actions driving improved performance
- Outsourced manufacturing safety governance and CMO process safety audit programs
- M&A due diligence for process safety risk assessment and post-acquisition integration
- Select clients: Eastman Chemical, Mitsubishi Chemical (Lucite), Monument Chemical, Brenntag

Senior Director, Projects & Technical Programs *May 2025 – Oct. 2025*

American Institute of Chemical Engineers (AIChE) / Center for Chemical Process Safety (CCPS)

Senior leadership role overseeing strategic technical programs and standard-of-care publications at CCPS.

- Oversaw technical program development, project management, and peer review across CCPS initiatives
- Initiated strategic review of CCPS activities with CCPS member companies and technical committee contributors

Chief Process Safety Engineer / Global Director of Process Safety *Aug. 2009 – Dec. 2015*

The Dow Chemical Company

Most senior process safety technical leadership role at a Fortune 50 global chemical company. Led 70-person Process Safety Technology Center responsible for global application of process safety technology, management systems, and hazard/risk assessment tools.

- Led Corporate Process Safety Tier 1 & 2 Incident Reduction team — achieved 75% reduction in four years. Combined with the preceding role, achieved a cumulative 90% Tier 1 reduction over ten years
- Delivered more than $50 million in reduced incident costs and insurance rates
- Defined and implemented corporate-wide Process Safety Tier 3 & 4 Metrics as leading indicators for Tier 1 & 2 incidents
- Coordinated Process Safety Management System Reviews with Dow's Senior Executives and Board of Directors
- Oversaw legal compliance and risk reduction capital program
- Achieved significant reduction in Dow's corporate risk profile through systematic governance and capital program oversight

Reactive Chemical, Mechanical Integrity & Process Safety Discipline Manager *Aug. 2002 – Aug. 2009*

The Dow Chemical Company

- Led Corporate Process Safety Tier 1 Incident Reduction team — achieved 40% reduction
- Developed technology, management systems, and hazard/risk assessment tools for reactive chemicals, mechanical integrity, and combustible dust disciplines
- Led teams to upgrade Mechanical Integrity, Combustible Dust, and Safety System Impairment Standards globally

Production / Site Director — Hebron, Ohio *Oct. 1998 – Aug. 2002*

The Dow Chemical Company

- Full operational responsibility for safe and efficient operation of Dow's Hebron, Ohio facility; 100 salaried personnel, 20 Contractors
- Achieved year-after-year yield and production records; facility designated preferred site for new product introduction

Global EH&S Business Operations Leader / Responsible Care Leader *Jul. 1995 – Oct. 1998*

The Dow Chemical Company

- Leveraged EHS&S programs across the Styrofoam business — 27 facilities globally
- Developed business-specific EH&S reduction plans; achieved 40% incident reduction in three years

Engineer / Supervisor / Project Manager / Plant Manager *Oct. 1981 – Jun. 1995*

The Dow Chemical Company

- Plant Manager: Styrofoam Plant (Hanging Rock OH) and EPS Plant (Midland MI)
- Project Manager: Design and construction of pharmaceutical manufacturing plant, Midland Michigan
- Engineering and supervisory roles: Phenol/Acetone Plant (Freeport TX), Epichlorohydrin/Glycerin Plant (Freeport TX), Pharmaceutical Plant (Midland MI)

EDUCATION & CERTIFICATIONS

- BS Chemical Engineering — Michigan Technological University, 1981
- Six Sigma Black Belt — 2005
- CCPS Certified Process Safety Professional (CCPSC) — Admitted 2019

PROFESSIONAL AFFILIATIONS & RECOGNITION

- Fellow of the Center for Chemical Process Safety (CCPS) — Elected 2015
- Emeritus Member of the Center for Chemical Process Safety (CCPS) — Appointed 2015

"Process safety failures are always measured in dollars. The first measurement is lives."

— Kenan Stevick, CCPSC | kenanstevick.com | 970-409-2528