

**Kenan Stevick, CCPSC - Chemical Engineer, Principal**

**Bio/Summary:** 38 years of chemical industry leadership in Process Safety, Manufacturing, Project Management and EHS&S.

***Core competencies include:***

- Leadership coaching in Process Safety, Co-author of CCPS book “*Process Safety: Leadership from the Boardroom to the Front Line*”, John Wiley and Sons, 2019
- Building/strengthening Process Safety Culture through robust Management Systems
- Process Safety Risk Assessment/Management and Corporate Governance
- Production Management
- Process Engineering and Project Management
- Environmental, Health and Safety

***Demonstrated expertise and leadership in:***

- Working with executives and employees to systematically and significantly improve process safety performance in a sustainable fashion.
- Working with Industry partners globally to advance Process Safety Technology/Best Practices, Metrics, and Performance.
- Hazard and Risk Assessments: Identification and quantification of hazards/risks, definition of practical protection measures. Optimization of process/time to perform.
- Root Cause Analysis: Incident Investigation, determining the cause/effect relationship and defining effective preventive measures.

***Relevant Accomplishments***

- Developed Corporate Risk Management Program, Process Hazard Assessment (PHA) and Layer of Protection Analysis (LOPA) Management Systems and implementation strategy for small global chemical company.
- Led Dow Chemical’s Corporate Process Safety Tier 1 & 2 Incident Reduction team, achieving a 75 % reduction in 4 years and leading the industry in incident rate performance, impact more than \$50MM in reduced incident costs and insurance rates.
- Significant reduction in Dow Chemical’s Risk Profile through coordination and oversight of legal compliance and risk reduction capital program
- Coordination and facilitation of Process Safety Management System Reviews with Dow Chemical’s Sr. Executives and the Board of Directors
- Led teams to upgrade or develop and implement Dow Chemical’s Mechanical Integrity, Combustible Dust and Safety System Impairment Standards
- Led several teams to establish year after year yield and production records resulting in the site being the preferred site for introduction of new products

## *Work Experience*

### ***April 2016 – Present:*                      **President KPS Inc.****

Provide consultation in the areas of Chemical Process Safety and Risk Management

- Leadership coaching, building/strengthening Process Safety Culture through robust Management Systems
- Development of Risk Management Standards
- Hazard/Risk Analysis, Establishment of Risk Management Plans
- Incident Investigation
- Bottom Line Process Safety Performance Improvement
- Subject Matter Expert for Resolution of Legal Cases

### ***1981 – 2015:*                                      **Employed by the Dow Chemical Company****

*August 2009 – Dec 2015:*    **Chief Process Safety Engineer, Global Director of Process Safety**

Responsible for the development and application of technology, management systems, and hazard / risk assessment tools designed to protect people, property, and the environment by controlling the risks of unplanned events such as fires, explosions, reactive chemical incidents and chemical releases. Includes corporate stewardship responsibility to assure that these are appropriately applied in all businesses and applicable functions within the company.

Extensive expertise in working with stakeholders to evaluate risk/performance and success in guiding cross-functional teams in the design of pragmatic technology solutions / administrative controls and driving improved process safety and operational reliability performance.

- Manager of the Process Safety Technology Center consisting of 70 reports responsible for the development and global application of technology, management systems, and hazard / risk assessment tools
- Led Corporate Process Safety Tier 1 & 2 Incident Reduction team, achieving a 75 % reduction in 4 years and leading the industry in incident rate performance
- Defined and implemented corporate wide Process Safety Tier 3 & 4 Metrics as leading indicators for Tier 1 & 2 Incidents
- Coordination and oversight of legal compliance and risk reduction capital program
- Coordination and facilitation of facility/business risk classification system for review of facility / business Risk Management Plans with Sr. Executives.
- Coordination and facilitation of Process Safety Management System Reviews with Sr. Executives and the Board of Directors

*August 2002 – August 2009:*    **Reactive Chemical, Mechanical Integrity,  
Process Safety Discipline Manager**

- Direct responsibility for the development of technology, management systems, and hazard / risk assessment tools, led teams to upgrade or develop Mechanical Integrity, Combustible Dust and Safety System Impairment Standards

- Training of discipline and business technology practitioner on work processes and tools
- Led Corporate Process Safety Tier 1 Incident Reduction team, achieved 40 % reduction
- Leveraged Process Safety work processes/practices within the businesses consistent with Process Safety goals.

*October 1998 – August 2002: **Production / Site Leader***

- Responsible for the safe and efficient operation of the Hebron, Ohio Film Center.
- Coaching and development of 80 personnel, salaried environment.
- Achieved year after year yield and production records
- Preferred site for introduction of new products

*July 1995 – October 1998: **Global EH&S Business Operations Leader, Responsible Care Leader (EH&S Manager)***

- Leveraged EHS&S programs, work processes/practices and improving performance for the Styrofoam business across 27 facilities globally
- Developed business specific plans for achieving 10 year EH&S incident reduction goals, accountability for results. Achieved 40% reduction in 3 years.
- EHS&S Programs and Performance at the Hanging Rock, Ohio and Riverside, Missouri Sites
- Hanging Rock, Ohio Site Waste Water Treatment Plant Supervisor

*October 1981 - June 1998: **Engineer/Supervisor/Project Manager/ Plant Manager***

- Plant Manager: Styrofoam Plant - Hanging Rock Ohio and EPS Plant - Midland Michigan
- Project Manager for the design & construction of a pharmaceutical plant - Midland Michigan
- Held a series engineering and supervisory positions with increasing responsibility:
  - Phenol, Acetone Plant - Freeport Texas
  - Epichlorohydrin, Glycerine Plant - Freeport Texas.
  - Probucol, Terfinadine and Citrucel Pharmaceutical Plant - Midland Michigan

***Education***

- BS in Chemical Engineering from Michigan Technological University, 1981
- Six Sigma Black Belt, 2005

***Affiliations and Awards***

- CCPS Certified Process Safety Professional (Admitted 2019)
- Fellow of the Center for Chemical Process Safety (Elected 2015).
- Emeritus Member of Center for Chemical Process Safety (Appointed 2015).

***Publications***

- K. Stevick, S. Berger, CCPS book “*Process Safety: Leadership from the Boardroom to the Front Line*”, John Wiley and Sons, 2019
- K. Stevick, “*Next Generation Root Cause Investigation and Analysis*” 11<sup>th</sup> Global Congress of Process Safety”, Austin Texas, 2015
- Contributor on numerous CCPS publications on Process Safety including: Reactive Chemicals, Mechanical Integrity, Metrics, etc.
- J. Champion, K. Stevick, et al. “*Dow Learnings & Actions from the Deep Water Horizon Accident.*” 11<sup>th</sup> Global Congress of Process Safety, Austin Texas, 2015