



**Annette M. Kyle**  
Director, Americas  
Aon Energy Risk Engineering

## Experience

Ms. Kyle is a chemical engineer with over 25 years experience in chemical plant process safety, process optimization and technical/operations support. She has conducted audits and gap analyses for PSM and RMP. She has been the facilitator on over 100 Process Hazard Analyses (PHA) and Layer of Protection Analyses (LOPA). Ms Kyle has facilitated PHAs and LOPAs for numerous refinery and process units including: Polypropylene Unit; Ultra Low Sulfur Diesel, Gas Concentration, Benzene Hydrogenation, Catalytic Cracking, Crude, Coker, Extraction, LPG, Hydrotreating, and HF Alkyl Units; Phthalic Anhydride, Propyl Heptanol and Butyl Lithium Units; Biodiesel plants and Marine Loading sites.

Ms. Kyle joined Aon Energy Risk Engineer after working 19 years in the petrochemical industry, including process engineering, operations, and maintenance. Ms. Kyle has experience specifically in mechanical integrity, process hazards analysis, layer of protection analysis, facility siting, consequence assessment, and gap analysis. As site manager of Celanese Corporation's Southwest Terminals and Bayport Site, Ms. Kyle was responsible for employing 80-100 personnel. She developed a master plan for site improvements, Mechanical Integrity, and EHSA Compliance. She worked with USCG and obtained environmental permit for a major expansion of the terminal. Ms. Kyle also performed gap analysis and persuaded Business Units to spend the money to close them. Her work redesign was recognized industry wide and studied and documented by Harvard Business School. At Hoechst Celanese Ms. Kyle was Operations Section Leader of the Acetic Acid Unit where she led the team of supervisors, operators and technical support of the world's largest Acetic Acid unit. She also led PHA studies and ISO 9000 Certification efforts. Ms. Kyle worked with the Business team in Dallas to expand and increase efficiency with minimal risk to unit run time. She holds a group patent for improved catalyst. As Maintenance Instrument/Electrical Section Leader, she supervised foremen and specialists, with a work group of 40 crafts persons. She also participated in Process Safety reviews of all units in the plant.

## Education

Bachelor of Science, Chemical Engineering - Texas A&M University

## Selected Projects

- ConocoPhillips – Sweeny Refinery, Sweeny, Texas
- BASF – Pasadena, Texas & Freeport, Texas
- Suncor – Fort McMurray, AB

## Project Highlights

- Conducted audits and gap analyses for PSM and RMP and process hazards analysis
- Previous Terminal Manager for large chemical facility
- USCG and environmental permit obtained for major expansion of terminal in Texas
- Implemented PSM program for large terminal operation
- Develop mechanical integrity programs