



**DUANE L. REHMEYER**  
**Senior Principal Consultant**  
**BAKER ENGINEERING AND RISK CONSULTANTS, INC.**

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<b>Education:</b>	<b>B.S., Fire Protection Engineering, University of Maryland</b> <b>MBA, Business Administration, West Chester University</b>
<b>Areas of Practice:</b>	Duane Rehmeier is a remote staff member in BakerRisk's Process Safety Group. His 39-year career experience includes all aspects of industrial fire protection and process safety management. Major accomplishments include developing innovative risk assessment techniques and cost effective approaches to lowering process safety and fire risk in the petrochemical and refining industry. Duane's specific experience ranges from OSHA Process Safety Management (PSM) program development and compliance audits, EPA Risk Management Plan (RMP) reporting and auditing, process hazard analysis (PHA), insurance risk assessment surveys, fire investigations, assessment of fire protection system infrastructure and development of fire prevention and protection standards.
<b>Experience:</b>	<ul style="list-style-type: none"><li>• Worked on the implementation and rollout of OSHA's PSM and EPA's RMP regulation for a large U.S. domestic refiner. Duane has developed compliance audit protocols and has led and been a member of various teams for PSM, RMP, risk based PSM and API RP 751 compliance audits.</li><li>• This experience, in combination with four years of supervisory and operating experience in a gasoline reformer, light ends recovery unit and sulfur plant has provided the background for leading PHA teams using various PHA methodologies such as Hazard and Operability Studies (HAZOP), What-Ifs and LOPA.</li><li>• Completed insurance risk surveys, including qualitative risk assessments and providing risk reduction recommendations, for domestic and international upstream and downstream assets including offshore platforms, FPSOs, LNG plants, pipeline and marine terminals, refineries and chemical plants.</li><li>• Extensive training and experience in fire, explosion and vapor cloud dispersion modeling, and has used these models for incident investigations, reporting maximum credible releases for RMP and fire hazard assessments.</li><li>• Established fire protection system maintenance and inspection programs, integrated fire and gas detection systems with fire suppression and vapor dispersion systems, designed new fire water delivery systems, and evaluated existing facilities fire water delivery systems (Pipe2018TM). He has provided fire prevention and protection engineering for domestic and international facilities including upstream exploration and production operations such as offshore platforms and FPSOs, well-pad sites and downstream operations such as petrochemical plants, refineries and product transportation through pipeline, pump stations, marine and truck transportation terminals and retail marketing sites.</li></ul>
<b>Professional Chronology:</b>	Union Carbide Corporation, 1979-1982 (Fire Protection Engineer); Webb, Murray & Associates, Inc., 1982-1989 (Senior Engineer); Sunoco, Inc., 1989-1998 (Fire Protection Consultant); Sunoco, Inc., 1998-2000 (Process Safety/RMP Coordinator, and Manager of the Corporate Fire Protection Resource Center); Sunoco, Inc., 2000-2005 (Refinery Operations); Sunoco, Inc., 2005-2006 (Sr. Fire Protection Engineer); Baker Engineering and Risk Consultants, Inc., 2007 to present (Sr. Principal Consultant/Engineer)
<b>Professional Registrations/Certifications:</b>	Professional Engineer (Texas); Certified Fire and Explosion Investigator (CFEI); Certified Fire and Explosion Investigator Instructor (CFEII); BOSIET / HUET / EST Off-shore Certifications are all current
<b>Professional Memberships:</b>	Society of Fire Protection Engineers, National Fire Protection Association (NFPA), Salamander; a National Fire Protection Engineering Society, Member National Association of Fire Investigators (NAFI), NFPA Technical Committee on Flammable and Combustible Liquids (NFPA 30) representing BakerRisk since 2017 on Technical Committees on (1) Operations, (2) Storage and Warehousing of Containers and (3) Portable Tanks, and Tank Storage and Piping Systems. API Safety and Fire Protection Group, representing BakerRisk since 2013 responsible for review and approval of Safety and Fire Protection Group assigned API Standards and Recommended Practices (along with other group members).