



**ROY I. MOSES, MBA, CFEI**  
**Principal Consultant**  
**Manager, Houston Operations**  
**BAKER ENGINEERING AND RISK CONSULTANTS, INC.**

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**Education:**

**B. S. in Chemical Engineering, Prairie View A&M**  
**Executive Masters of Business Administration, Prairie View A&M**

**Areas of Practice:**

Roy Moses is Operations Manager of BakerRisk's Houston office and works in the Process Safety Group. He has sixteen years of experience in the petroleum and chemical industries. He has extensive risk management experience in Process Hazard Analyses (HAZOP), both as a team member (during hazard identification process) and as a resolution owner, performing Facility Siting Studies, Quantitative Risk Analyses, Firewater System Surveys / Testing, SIS/SIL Studies, Insurance Risk Engineering, and Hazardous Area Classification Surveys.

**Experience:**

- Mr. Moses has developed/designed several projects based on safety, environmental, and economic incentives for a major industrial plant, using his experience, knowledge and understanding of operating practices and procedures required for major industrial facilities.
- Three years of hands-on, in-plant experience in process engineering, process safety, risk management, and consequence analysis with ExxonMobil Chemicals (Baytown Olefins Plant) as a process contact engineer.
- Experience in industrial emergency response, preliminary incident investigations, and incident escalation prevention. As a volunteer responder, he has received industrial fire-fighting training, HAZMAT response training, incident command training, and on-the job training (actual response to several vapor releases and a confined space fire). His responsibilities, training, and response experience have allowed him to become familiar with plant safety procedures, emergency response procedures, and incident prevention initiatives.
- Consequence modeling experience includes conducting toxic, fire, vapor cloud explosion, and indoor explosion scenarios modeling. He has worked on several facility-siting studies, including performing site surveys for congestion and confinement in industrial facilities. Roy is familiar with EPA, API, NFPA regulations and codes regarding consequence analysis and facility siting.
- Experience working with several dispersion models, including PHAST<sup>®</sup>, and BakerRisk dispersion and blast software tools, including SafeSite<sub>3G</sub><sup>®</sup>.

**Professional Chronology:**

ExxonMobil Chemicals Baytown Olefins Plant (Chemical Engineer/Process Contact Engineer, 1999-2002); Baker Engineering and Risk Consultants, Inc. (Chemical Engineer/Project Consultant, 2002-2007, Senior Consultant 2008-2011, Principal Consultant 2012-present).

**Professional Registrations/Certifications:**

Certified Fire and Explosion Investigator

**Professional Memberships:**

National Association of Fire Investigators (NAFI)