



## ANTHONY G. SARRACK

### Senior Principal Consultant

B. S. in Nuclear Engineering, Rensselaer Polytechnic Institute

#### Areas of Practice

Anthony Sarrack works in the BakerRisk San Antonio office in the Process Safety Group. He has over twenty-five years of experience in process safety and risk analysis.

#### Experience

- Three years of experience in control room operations at a nuclear reactor facility.
- Process safety experience includes participation on hazard analysis teams, both as contributor and team lead.
- Risk analysis experience includes development of accident event trees and fault trees, equipment reliability studies, and failure data. He has also performed source term and consequence analyses.
- Developed cost vs. benefit analyses for proposed facility modifications, provided technical risk analysis expertise to numerous plant decision processes.
- Developed risk management guidelines, as well as implementing procedures for performance of facility siting studies and QRAs for several companies.
- Gained extensive experience in modeling and testing of toxic shelters and developing toxic risk mitigation strategies. Published several papers related to toxic risk management.
- Produced BakerRisk Engineering Guidance Paper, Shelter-in-Place for Industrial Facilities
- Designed test rig and developed test program for permeation and infiltration reduction testing
- Gained extensive experience working with consequence and risk analysis tools including CAFTA, ETA, EOOS, PRAQuant, MAAP 5, MACCS-II, SafeSite<sub>3G</sub><sup>®</sup>, and QRATool<sup>®</sup>.

#### Professional Chronology

Westinghouse Savannah River Site (Control Room Supervisor, 1988 – 1991); Westinghouse Savannah River Site (Risk Analyst 1991 – 1997), Sigma Science, Inc. (Senior Risk Analyst 1997 – 1999), Nuclear Management Company (Senior Risk Analyst 1999 - 2006), Baker Engineering and Risk Consultants, Inc. (Senior Consultant, 2006-2007, Principal Consultant, 2008-2020, Senior Principal Consultant, 2020 - present)