



## Fire and Life Safety: Risk Assessment

Arora's fire and life safety engineers provide comprehensive risk assessment services for all occupancies that manufacture, process, handle, and store hazardous liquids and materials. Our registered Fire Protection Engineers (FPEs) combine risk assessment and code analysis to provide a code compliance strategy for our clients. Our proposed strategies and mitigation plans are always backed by thorough qualitative and quantitative analyses documented for historical record. Arora's FPEs develop documents and calculations clearly outlining the risk-based analyses and assessments for presentation to the applicable Authorities Having Jurisdiction (AHJs) for review. Arora's FPEs have experience working with and presenting to AHJs for successful presentation and acceptance of risk-analysis analyses, strategies and associated system designs.

### Key Services

- + Use Group and Hazardous Area identification and strategy development for compliance with IBC, IFC, NFPA 1 and NFPA 101 requirements
- + Maximum Allow Quantity (MAQ) analysis and planning
- + Material Safety Data Sheet (MSDS) accounting, classification and assessment
- + Electrical area classification per NFPA 70 requirements
- + Fire alarm, detection, and protection systems design utilizing risk-based approaches along with prescriptive system design
- + Facility surveys and assessments
- + Combustible dust analysis, mitigation, and explosion system design
- + Specification and design of gas detection systems

### Staff Client Experience

- + DuPont
- + Chemours
- + Croda
- + QC Supply
- + General Services Administration
- + US Department of Navy
- + Bettis Atomic Power Laboratory
- + Baystate Medical Center/Baystate Health

