



FIRE HAZARD ANALYSIS

RJ Bartlett Engineering Ltd can perform fire safety analyses comprised of quantitative fuel loading assessments, fire hazard analyses, heat transfer analyses, application of computer fire models, structural fire-resistance analyses, and fire behaviour principles.

Fire safety analyses are used in reconstructing fire scenes, in establishing equivalencies to building code requirements and for evaluating fire hazards, as they relate to building and industrial complexes for determining the risk of fire losses. **RJ Bartlett Engineering Ltd** employs fire dynamics, computer modeling, and mathematical modeling, to evaluate possible fire scenarios and effectiveness of fire protection measures being provided.

Typical projects include:

- Reconstructing a fire scene through the use of computer fire models to validate witness statements.
- Hazard segregation and calculating safe separation distances for plant siting layout.
- Using transient heat transfer and fire spread models for design and evaluation of fire barriers.
- Determining storage height and arrangement effects on the sprinkler activation time and fire growth rates for warehouse storage.
- Flammable liquid storage and fire suppression and control.



RJ Bartlett Engineering Ltd

FIRE PROTECTION IS OUR BUSINESS

RJ Bartlett Engineering Ltd has been providing fire protection engineering solutions since 1987.

Services are provided for clients and projects throughout Canada, several US states, Bermuda, the Caribbean, and Europe from its offices in Fredericton, NB and Halifax, NS.

RJ Bartlett Engineering Ltd specializes in fire protection engineering, building code consulting, and investigative engineering. Capabilities include design of fire protection systems, building and fire code consulting, development of alternative solutions, fire hazard analysis, fire safety planning, commissioning, and investigative engineering.

The goal of **RJ Bartlett Engineering Ltd** on any project is to ensure that the overall design meets both the fire protection and life safety objectives of the Codes and Standards as well as the requirements of the client/owner from both an economic and design standpoint.

Our Quality Management System (QMS) for all levels of the organization enables our commitment to a program of continuous improvement. This commitment to quality supports our goal of remaining an industry leader in providing quality fire protection engineering and building code consulting services.

Please refer to our website at www.rjbartlett.com for more information.

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"Their familiarity and expertise in building codes and international standards has been instrumental in the success of recent projects."

—Jimmy Karountzos, Doric Management