

Application of Fire Risk Assessment

Course Description

This two-day course following a brief overview of the Guide, participants will be divided into working groups which will be tasked with applying the SFPE Guide to a specific project. Groups will be able to choose from a selection of projects that include: historic building, a high-rise residential occupancy, or a petroleum industry facility. In addition to applying the Guide to their specific project, participants will also review the work of others groups to broaden their understanding of the concepts of a fire risk assessment.

Course Objectives:

Upon completion of this course participants will be able to:

- Describe the various steps associated with a fire risk assessment, as outlined in the SFPE Engineering Guide to Fire Risk Assessment.
- Evaluate a project, prepare representative goal statements, objective statements, boundary conditions, and assumptions.
- Prepare a fire hazard assessment for a designed project.
- Identify a minimum of eight fire scenarios that need to be included in the fire risk assessment.
- Identify the data needs and potential sources of the data needed.
- Evaluate various tools and methods available to assist in preparing a fire risk assessment and determine the appropriate one to be used for a given project.

Prerequisite

Participants should have a fundamental understanding of the SFPE Engineering Guide to Fire Risk Assessment. Participants are encouraged to take the free SFPE Online Course <https://sfpe.site-ym.com/?page=FireRiskAssessment> to obtain an understanding (or refresh their understanding) of the SFPE Engineering Guide to Fire Risk Assessment.

Who will benefit: Experience Level Intermediate

FPEs, Code Officials, Facility Engineers, Plan Reviewers, Design Professionals (Architects/Engineers)

Materials Needed

SFPE Engineering Guide to Fire Risk Assessment.

Course assessment

Participants will be assessed via a written exam upon completion of the course. A passing score of 70% will be required to obtain a Certificate of Completion.

Professional Development Hours

Upon completion each participant qualifies for 14 PDHs or 1.4 CEUs. A Certificate of Attendance will be awarded.