

PPPL	PRINCETON PLASMA PHYSICS LABORATORY ES&H DIRECTIVES	
	ES&HD 5008 SECTION 5, Chapter 5 FIRE SAFETY ASSESSMENTS	
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CHAPTER 5 FIRE SAFETY ASSESSMENTS

5.1 Background

5.1.1 The principal objective of a fire safety assessment is to identify significant fire safety deficiencies that would prevent the achievement of DOE's fire safety policy objectives.

5.1.2 Facility and programmatic assessments should be performed by a fire protection engineer with an appropriate level of knowledge and experience in the application of fire safety codes and standards. Fire department assessments should be performed by an individual with an appropriate level and knowledge and experience in fire department organization, equipment, and operations.

5.1.3 Assessments should encompass the following elements of the fire protection program:

5.1.3.1 Program- related:

- Comprehensiveness of the fire protection program
- Procedures for engineering design and review
- Procedures for maintenance, testing, and inspection
- Fire protection engineering staff (number, qualification, training)
- Fire suppression organization (personnel and training)
- Emergency medical response organization
- Hazardous material release containment and emergency cleanup organization
- Fire suppression mutual aid agreements
- Management support
- Exemptions and documented equivalencies

5.1.3.2 Facility-related:

- Fire protection of safety class equipment
- Life safety considerations
- Fire protection of vital programs
- Fire protection of high-value property
- Fire suppression equipment
- Water runoff
- Pre-fire plans
- Fire apparatus accessibility
- Completeness of fire hazard analyses
- Fire barrier integrity
- Completeness of fire loss potential (MFPL) determinations
- Fire safety training

5.1.3.3 Combined Aspects (Program and Facility)

- Conformance with applicable Orders, codes and standards
- Inspection, testing, and maintenance reports
- Adequacy of facility appraisal reports
- Tests, inspections, procedures, and records for maintaining fire protection systems and features
- Administrative controls
- Temporary protection and compensatory measures
- Status of findings from previous assessments

5.2 Frequency

5.2.1 A self-assessment shall be performed every two (2) years.

5.2.2 The assessment shall be comprehensive and documented, which includes all aspects, program and facility, of the fire protection program.