

TEMPORARY CHANGE REQUEST

TCR NO. **TCR ESHD 5008, SECT. 5, CHAPT. 5, R3-001**

The Temporary Change Request (TCR) Form is to be used to process urgent or minor changes for PPPL Policies, Organization/Mission Statements and Procedures. The TCR should be used when changes are:
1) urgent, and can not wait the 2-4 week period for Department Head review/comment, or
2) minor, and do not warrant Department Head review.

Person Requesting Change: Jamie Dunnigan

Phone Ext: 2314

Department Name: ESH&S/Site Protection Division

Document Number: ESHD 5008 SECTION 5, CHAPTER 5

Revision No.: 3

Document Title: Fire Safety Assessments

Reason for change:

1. DOE O420.1C Attachment 2, Chapter II. Fire Protection, Section 3-B (2) states that "A documented comprehensive self-assessment of the fire protection program must be performed at least every **three** years."
2. The most recent Fire Hazard Assessment has indicated the need to include two additional points in Section 5.1.3.2 Facility-Related Elements: (1) Review of temporary protection and interim compensatory measures and (2) Security coordination.

Change description: (Summarize and attach changed pages, with changes clearly indicated)

Section 5.2.1 - changed to reflect the three-year review frequency stated in DOE O420.1C (changed from two-year review to three-year review).

Section 5.1.3.2 "Facility-Related Elements" - Add two additional elements.

1. Does this TCR significantly alter the intent or scope of the document? YES: NO: X

2. Does this TCR significantly impact **ES&H**? YES: NO: X

If 1 or 2 is **YES**, Explain why the changes should not be routed for Department Head review:

Jerry Levine

5/9/14

Department/Division Head Approval

Date:

John DeLooper

5/12/14

Head, Best Practices and Outreach/designee

Date:

Release/Effective date of this TCR: 5/12/14

Incorporate this TCR into next revision of this document?

YES: X NO:

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
- Review of temporary protection and interim compensatory measures
- Security coordination

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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

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

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