

Suggested Outline Changes to IP 71111.05XT

(Note: the structure shown for Section 01.01 would carry through the document for the remaining sections.)

71111.05-01 INSPECTION OBJECTIVES

01.01 The inspection team will evaluate the licensee's fire protection program from the perspectives of design, installation, operational status, testing, and material condition to verify that the licensee's program is **sufficiently implemented and maintained** to satisfy the fundamental fire protection program and design elements; and the nuclear safety and radioactive release goals, objectives, and performance criteria for all operation modes and plant configurations by verification of the following:

- a. Fundamental Fire Protection Program Elements and Minimum Design Requirements:
 - 1) Fire Protection Plan: The fire protection plan, including implementing procedures, complies with the approved fire protection program as modified by the NFPA 805 change process.
 - 2) Prevention: The fire prevention program implements the approved fire protection program as modified by the NFPA 805 change process. (See NFPA 805 section 3.3)
 - 3) Industrial Fire Brigade: (See NFPA 805 section 3.8)
 - 4) Water Supply: A fire protection water supply to comply with the requirements of NFPA 805 Section 3.5 is designed and installed to the approved fire protection program as modified by the NFPA 805 change process.
 - 5) Standpipe and Hose Stations: Standpipe and hose stations required to comply with the requirements of NFPA 805 Section 3.6 are designed and installed to the approved fire protection program as modified by the NFPA 805 change process.
 - 6) Fire extinguishers: Fire extinguishers where provided comply with the requirements of NFPA 805 Section 3.7 are designed and installed to the approved fire protection program as modified by the NFPA 805 change process.
 - 7) Fire Alarm and Detection Systems: Fire alarm and detection systems required to comply with the performance or deterministic requirements of NFPA 805 Chapter 4 are designed and installed to the approved fire protection program as modified by the NFPA 805 change process. (See NFPA 805 section 3.8)
 - 8) Automatic and manual Water-based Fire Suppression Systems: Automatic or manual water-based fire suppression systems required to comply with the performance or deterministic requirements of NFPA 805 Chapter 4 are designed and installed to the approved fire protection program as modified by the NFPA 805 change process. (See NFPA 805 section 3.9)
 - 9) Gaseous Fire Suppression Systems: Gaseous fire suppression systems required to comply with the performance or deterministic requirements of NFPA 805 Chapter 4 are designed and installed to the approved fire protection program as modified by the NFPA 805 change process. (See NFPA 805 section 3.10)

- 10) Passive Fire Protection Features: Passive fire protection feature required to comply with the performance or deterministic requirements of NFPA 805 Chapter 4 are designed and installed to the approved fire protection program as modified by the NFPA 805 change process. (See NFPA 805 section 3.11)
- b. Nuclear Safety Capability Assessment
 - 1) Methodology
 - 2) Fire Area Compliance
 - i. Deterministic Compliance with NFPA 805 Section 4.2.3
 - ii. Performance-based Compliance with NFPA 805 Section 4.2.4
 - iii. Non-power operational modes
- c. Radioactive Release Assessment
 - 1)
- d. Programmatic Details
 - 1) Engineering Analyses
 - 2) Monitoring
 - 3) Program Documentation, Configuration Control and Quality
- e. License Conditions
 - 1) Change Evaluations

02.02 Fire Protection Inspection Requirements. This inspection verifies that the ...