

NRC INSPECTION MANUAL

INSPECTION PROCEDURE 64051

PROCEDURES - FIRE PREVENTION/PROTECTION

PROGRAM APPLICABILITY:

64051-01 INSPECTION OBJECTIVES

Ascertain whether approved controls exist relative to fire prevention, protection, and suppression at facilities under construction.

64051-02 INSPECTION REQUIREMENTS

02.01 Ascertain whether adequate and approved fire prevention procedures exist to control the following during construction activities:

- a. Storage, handling, and use of flammable materials.
- b. Storage, control, and use of combustible materials relative to locations of flammable materials and ignition sources.
- c. Use and control of open flames and other ignition sources which may be used in areas containing flammable materials.

02.02 Ascertain whether adequate and approved procedures exist relative to fire suppression during construction activities which use ignition sources and/or flammable materials, including:

- a. Use, testing, maintenance, and identification of fire suppression equipment.
- b. Use, testing, maintenance, and identification of related auxiliary equipment.

02.03 Ascertain whether approved procedures exist relative to fire fighting activities in the areas of:

- a. Supervision/control
- b. Action plan
- c. Communications

02.04 Ascertain whether approved procedures exist relative to training in the areas of fire prevention, protection, and suppression; ascertain whether training was conducted as specified.

02.05 Ascertain whether adequate and approved procedures exist for the control of the procedures identified in items 1 through 4, in the areas of:

- a. Revision
- b. Approval
- c. Distribution

02.06 If construction activities are in progress at a multi-unit facility where a unit has received an OL, ascertain whether additional procedures exist covering:

- a. Requirements to review, and take subsequent appropriate action, relative to construction activities which could adversely affect the safety of the operating unit.
- b. Use of an approved work authorization or similar permit arrangement which approves/restricts construction activities which interface with an operating unit.
- c. Periodic inspections/audits to assure that construction activities adhere to approved requirements and procedures related to items 6a and b.

02.07 Examine 10 fire suppression devices at the construction site and determine whether they have been tested within the specified time intervals and whether there is any evidence of deterioration.

02.08 Observe 3 activities utilizing ignition sources and ascertain whether the provisions of the procedures identified in item 02.01 are being followed.

64051-03 INSPECTION GUIDANCE

General Guidance. Applicable portions of the SAR should be reviewed during inspection preparation to determine licensee commitments in this area.

Where the phrase "adequate and approved procedures" is used in Section 02 of this procedure, it means procedures that meet NRC requirements and SAR commitments, and that the procedures have been reviewed and approved by responsible personnel.

03.01 Specific Guidance

- 1.c. - Welding, leak test and space heating equipment, for example.
- 2.b. - Auxiliary equipment: communications, masks, breathing equipment, lights, etc.
- 6. - Activities that could impact on an operating unit should be authorized by the operating organization (refer to Inspection Procedure 42702).
- 7. - This is to be a visual examination (e.g., CO₂ cannisters of correct weight and tested at prescribed intervals, condition of hoses, fire mains pressurized).

64051-04 REFERENCES

SAR, Chapter 9, including pertinent codes and standards referenced in the SAR.

IE Bulletin 75-04 and 75-04A, Cable Fire at Browns Ferry Nuclear Power Station.

Regulatory Guide 1.38, Quality Assurance Requirements for Packaging, Shipping, Receiving, Storage and Handling of Items for Water-Cooled Nuclear Power Plants.

Regulatory Guide 1.39, Housekeeping Requirements for Water-Cooled Nuclear Power Plants.

END