

- 1) at a pressure 50 psig greater than the maximum available pressure at that hose station, or
  - 2) annually at the applicable service test pressure as listed in Table 821 of the "Standard for Care, Maintenance and Use of Hose" NFPA No. 198-1972, or
- c. by replacing each hose with a new or used hose which has been hydrostatically tested in accordance with the pressures specified in 4.12.D.3.b.

#### E. HALON SYSTEM

The Halon System for the Cable Spreading Room shall be OPERABLE with each of the five(5) storage tanks charged to at least 95% of the minimum quantity of Halon (217 lbs. per tank) necessary to extinguish a fire, and minus or plus 10% of the pressure stamped on the Data Plate on the tank corresponding to an ambient temperature of 70°F. Detectors associated with the automatic initiation of the Halon System shall be operable, except that an individual detector may be inoperable if the other detector in the same bay is operable and both detectors in ALL adjacent bays are operable.

#### APPLICABILITY

At all times when the safety related equipment in the Cable Spreading Room is required to be operable.

#### ACTION

- a. Within one (1) hour from and after the time that the system is found to be inoperable, establish a continuous fire watch with backup fire suppression equipment.

#### E. HALON SYSTEM

The Halon System shall be demonstrated OPERABLE:

1. At least once per month by verifying the Halon storage tank pressure and that the control panel is in the automatic mode.
2. At least once per 6 months by verifying the quantity of Halon in the storage tank(s).
3. a. At least once per refueling outage verifying that the system and associated devices actuate upon receipt of a simulated actuation signal, and
  - b. Performance of an inspection to assure the nozzles are unobstructed.

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BASES:

3/4.12A FIRE DETECTION INSTRUMENTATION

OPERABILITY of the fire detection instrumentation ensures that adequate warning capability is available for the prompt detection of fires. This capability is required in order to detect and locate fires in their early stages. Prompt detection of the fires will reduce the potential for damage to safety related equipment and is an integral element in the overall facility fire protection program.

In the event that a portion of the fire detection instrumentation is inoperable, increasing the frequency of fire watch patrols in the affected areas is required to provide detection capability until the inoperable instrumentation is returned to operability.

3/4 12B, C, D, E FIRE SUPPRESSION SYSTEMS

The OPERABILITY of the fire suppression systems ensures that adequate fire suppression capability is available to confine and extinguish fires occurring in any portion of the facility where safety related equipment is located. The fire suppression system consists of the water system, spray and/or sprinklers, the Halon System and fire hose stations. The collective capability of the fire suppression systems is adequate to minimize potential damage to safety related equipment and is a major element in the facility fire protection program.

The surveillance requirements provide assurances that the minimum OPERABILITY requirements of the fire suppression systems are met. The allowance is based on the minimum quantity of Halon necessary to extinguish a fire. The minimum quantity is 217 lbs. per tank, and the system requires a minimum of 5 tanks at all times. This is in accordance with the National Fire Codes. Operability is assured by verifying the quantity of Halon and pressure in the tank(s).

In the event that portions of the fire suppression system are inoperable, alternate backup fire fighting equipment is required to be made available in the affected areas until the affected equipment can be restored to service.

In the event that portions of the fire suppression water system become inoperable, alternate backup fire fighting equipment is required to be made available in the affected areas until the affected equipment can be restored to service.

In the event that the fire suppression water system becomes inoperable, immediate corrective measures must be taken since this system provides the major fire suppression capability of the plant.