

ATTACHMENT (1)

UNIT 1  
TECHNICAL SPECIFICATION  
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CONTAINMENT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- b. At least once per refueling interval, during shutdown, by:
1. Verifying that each automatic valve in the flow path actuates to its correct position on ~~Safety Injection~~ *the appropriate ESFAS* ~~Actuation~~ test signal.
  2. Verifying that each spray pump starts automatically on ~~Containment Spray Actuation~~ test signal. *the appropriate ESFAS*
- c. At least once per 5 years by performing an air or smoke flow test through each spray header and verifying each spray nozzle is unobstructed.

## CONTAINMENT SYSTEMS

### CONTAINMENT COOLING SYSTEM

#### LIMITING CONDITION FOR OPERATION

3.6.2.2 Two independent groups of containment air recirculation and cooling units shall be OPERABLE with two units to each group.

APPLICABILITY: MODES 1, 2 and 3.

#### ACTION:

- a. With one group of required containment air recirculation and cooling units inoperable and both containment spray systems OPERABLE, restore the inoperable group of air recirculation and cooling units to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within 12 hours.
- b. With three required containment air recirculation and cooling units inoperable and both containment spray systems OPERABLE, restore at least one required air recirculation and cooling unit to OPERABLE status within 8 hours or be in at least HOT SHUTDOWN within 12 hours. Restore both above required groups of containment air recirculation and cooling units to OPERABLE status within 7 days or be in at least HOT SHUTDOWN within 12 hours.
- c. With one group of required containment air recirculation and cooling units inoperable and one containment spray system inoperable, restore the inoperable containment spray system to OPERABLE status within 72 hours or be in at least HOT SHUTDOWN within 12 hours. Restore the inoperable group of containment air recirculation and cooling units to OPERABLE status within 7 days of initial loss or be in at least HOT SHUTDOWN within 12 hours.

#### SURVEILLANCE REQUIREMENTS

4.6.2.2 Each containment air recirculation and cooling unit shall be demonstrated OPERABLE:

- a. At least once per 31 days on a STAGGERED TEST BASIS by:
  1. Starting each unit from the control room.
  2. Verifying that each unit operates for at least 15 minutes.
  3. Verifying a cooling water flow rate of  $\geq 2000$  gpm to each cooling unit when the full flow service water outlet valves are fully open.
- b. At least once per 18 months by verifying that each unit starts automatically on a ~~Containment Spray Actuation~~ test signal.

*the appropriate ESFAS*

## CONTAINMENT SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

Subsequent to reinstalling the adsorber tray used for obtaining the carbon sample, the filter train shall be demonstrated OPERABLE by also verifying that the charcoal adsorbers remove  $\geq 99\%$  of a halogenated hydrocarbon refrigerant test gas when they are tested in-place in accordance with Regulatory Positions C.5.a and C.5.d of Regulatory Guide 1.52 Revision 2 March 1978 while operating the filter train at a flow rate of 20,000 cfm  $\pm 10\%$ .

d. At least once per refueling interval by:

1. Verifying that the pressure drop across the combined HEPA filters and charcoal adsorber banks is  $< 6$  inches water Gauge while operating the filter train at a flow rate of 20,000 cfm  $\pm 10\%$ .

2. Verifying that the filter train starts on ~~a Containment~~ <sup>the appropriate ESFAS</sup> Isolation test signal.