

1. ONE emergency containment cooling unit may be out of service for a period of 24 hours. Prior to initiating maintenance the other TWO units shall be tested to demonstrate operability.
2. ONE containment spray pump may be out of service provided it is restored to operable status within 24 hours. The remaining containment spray pump shall be tested to demonstrate operability before initiating maintenance of the inoperable pump.
3. Any valve in the system may be inoperable provided repairs are completed within 24 hours. Prior to initiating repairs, all valves that provide the duplicate function shall be tested to demonstrate operability.

3. EMERGENCY CONTAINMENT FILTERING SYSTEM

- a. The reactor shall not be made critical, except for low power physics tests unless:
  1. THREE emergency containment filtering units are operable.
  2. All valves, interlocks and piping associated with the above components and required for post-accident operation, are operable.
- b. During power operation:
  1. ONE unit may be inoperable for a period of 7 days if the other TWO are operable.
  2. Any valve in the system may be inoperable provided repairs are completed within 7 days. Prior to initiating maintenance, all valves that provide the duplicate function shall be tested to demonstrate operability.
  3. If after 7 days the unit is still inoperable Specification 3.0.1 applies to 3.4.3.b.

~~4. COMPONENT COOLING SYSTEM~~

- ~~a. The reactor shall not be made critical, except for low power physics tests unless the following conditions are met:~~
- ~~1. THREE component cooling pumps are operable.~~
  - ~~2. THREE component cooling heat exchangers are operable.~~
  - ~~3. All valves, interlocks and piping associated with the above components are operable.~~

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See page 3.4-4a

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### 3.4 Engineered Safety Features

#### 3.4.4 Component Cooling Water System

The component cooling water system shall be operable with:

- a) Three operable component cooling water pumps
- b) Three operable component cooling water heat exchangers
- c) All valves, interlocks, and piping associated with the above components operable.

Applicability: Modes 1, 2, 3 and 4

Action:

- 1. With one CCW pump inoperable, restore the pump to OPERABLE status within 7 days, or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- 2. With two CCW pumps inoperable, within 24 hours either restore one CCW pump to OPERABLE status and follow action statement 1 above for the other pump, or restore both CCW pumps to OPERABLE status, or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- 3. With one CCW heat exchanger inoperable, restore the heat exchanger to OPERABLE status within 72 hours, or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.
- 4. With any of the components specified in 3.4.4.c above inoperable, declare the associated component inoperable and follow the appropriate action statement for the respective component.



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- b. During power operation, the requirements of 3.4.4.a may be modified as stated below. If the system is not restored to meet the conditions of 3.4.4.a within the time period specified, the reactor shall be placed in the hot shutdown condition. If the requirements of 3.4.4.a are not satisfied within an additional 48 hours, the reactor shall be placed in the cold shutdown condition. Specification 3.0.1 applies to 3.4.4.b.

1. ONE pump may be out of service for 7 days.

2. ONE additional pump and ONE heat exchanger may be out of service for period of 24 hours.

5. INTAKE COOLING WATER SYSTEM

- a. The reactor shall not be made critical unless the following conditions are met:

1. THREE intake cooling water pumps and TWO headers are operable.

2. All valves, interlocks and piping associated with the operation of these pumps, and required for post accident operation, are operable.

- b. During power operation, the requirements of 3.4.5.a., above, may be modified to allow any one of the following components to be inoperable provided the remaining systems are in continuous operation. If the system is not restored to meet the requirements of 3.4.5.a. within the time period specified, the reactor shall be placed in the hot shutdown condition. If the requirements of 3.4.5.a are not satisfied within an additional 48 hours, the reactor shall be placed in the cold shutdown condition. Specification 3.0.1 applies to 3.4.5.b.

1. One of the two headers may be out of service for a period of 24 hours.

2. One intake cooling water pump may be out of service for a period of 24 hours.

