

SURVEILLANCE REQUIREMENTS (Continued)

2. For the HPCI system, verifying that:

- a) The system develops a flow of at least 5600 gpm against a test line pressure corresponding to a reactor vessel pressure of  $\geq 200$  psig plus head and line losses, when steam is being supplied to the turbine at  $200 + 15, - 0$  psig.\*\*
- b) The suction is automatically transferred from the condensate storage tank to the suppression chamber on a condensate storage tank water level - low signal and on a suppression chamber water level - high signal.

Refer to PORC  
Position # 19

- 3. Performing a CHANNEL CALIBRATION of the CSS, LPCI, and HPCI system discharge line "keep filled" alarm instrumentation.
- 4. Performing a CHANNEL CALIBRATION of the CSS header  $\Delta P$  instrumentation and verifying the setpoint to be  $\leq$  the allowable value of 4.4 psid.
- 5. Performing a CHANNEL CALIBRATION of the LPCI header  $\Delta P$  instrumentation and verifying the setpoint to be  $\leq$  the allowable value of 3.0 psid.

d. For the ADS:

- 1. At least once per 31 days, performing a CHANNEL FUNCTIONAL TEST of the accumulator backup compressed gas system low pressure alarm system.
- 2. At least once per 24 months:
  - a) Performing a system functional test which includes simulated automatic actuation of the system throughout its emergency operating sequence, but excluding actual valve actuation.
  - b) Manually opening each ADS valve when the reactor steam dome pressure is greater than or equal to 100 psig\*\* and observing that either:
    - 1) The control valve or bypass valve position responds accordingly, or
    - 2) There is a corresponding change in the measured steam flow.
  - c) Performing a CHANNEL CALIBRATION of the accumulator backup compressed gas system low pressure alarm system and verifying an alarm setpoint of  $90 \pm 2$  psig on decreasing pressure.

Verify that when tested pursuant to Specification 4.0.5 that each ADS valve is capable of being opened.

\*\* The provisions of Specification 4.0.4 are not applicable provided the surveillance is performed within 12 hours after reactor steam pressure is adequate to perform the test. If HPCI or ~~ADS OPERABILITY~~ is not successfully demonstrated within the 12-hour period, reduce reactor steam dome pressure to less than 200 psig or 100 psig, respectively, within the following 72 hours.

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EMERGENCY CORE COOLING SYSTEMS  
SURVEILLANCE REQUIREMENTS (Continued)

Refer to PORC  
Position # 19

2. For the HPCI system, verifying that:
    - a) The system develops a flow of at least 5600 gpm against a test line pressure corresponding to a reactor vessel pressure of  $\geq 200$  psig plus head and line losses, when steam is being supplied to the turbine at  $200 + 15, - 0$  psig.\*\*
    - b) The suction is automatically transferred from the condensate storage tank to the suppression chamber on a condensate storage tank water level - low signal and on a suppression chamber water level - high signal.
  3. Performing a CHANNEL CALIBRATION of the CSS, LPCI, and HPCI system discharge line "keep filled" alarm instrumentation.
  4. Performing a CHANNEL CALIBRATION of the CSS header  $\Delta P$  instrumentation and verifying the setpoint to be  $\leq$  the allowable value of 4.4 psid.
  5. Performing a CHANNEL CALIBRATION of the LPCI header  $\Delta P$  instrumentation and verifying the setpoint to be  $\leq$  the allowable value of 3.0 psid.
- d. For the ADS:
1. At least once per 31 days, performing a CHANNEL FUNCTIONAL TEST of the accumulator backup compressed gas system low pressure alarm system.
  2. At least once per 24 months:
    - a) Performing a system functional test which includes simulated automatic actuation of the system throughout its emergency operating sequence, but excluding actual valve actuation.
    - b) 

Manually opening each ADS valve when the reactor steam dome pressure is greater than or equal to 100 psig\*\* and observing that either:

      - 1) The control valve or bypass valve position responds accordingly, or
      - 2) There is a corresponding change in the measured steam flow.
    - c) Performing a CHANNEL CALIBRATION of the accumulator backup compressed gas system low pressure alarm system and verifying an alarm setpoint of  $90 \pm 2$  psig on decreasing pressure.

Verify that when tested pursuant to Specification 4.0.5 that each ADS valve is capable of being opened.

\*\* The provisions of Specification 4.0.4 are not applicable provided the surveillance is performed within 12 hours after reactor steam pressure is adequate to perform the test. If ~~ADS or~~ HPCI OPERABILITY is not successfully demonstrated within the 12-hour period, reduce reactor steam dome pressure to less than ~~100 psig or~~ 200 psig, ~~respectfully,~~ within the following 72 hours.