

# CONTROLLED COPY

## REACTIVITY CONTROL SYSTEMS

### CONTROL ROD SCRAM ACCUMULATORS

#### LIMITING CONDITION FOR OPERATION

3.1.3.5 All control rod scram accumulators shall be OPERABLE.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2, and 5\*.

#### ACTION:

a. In OPERATIONAL CONDITIONS 1 or 2:

1. With one control rod scram accumulator inoperable, within 8 hours:

- a) Restore the inoperable accumulator to OPERABLE status, or
- b) Declare the control rod associated with the inoperable accumulator inoperable.

Otherwise, <sup>immediately place the reactor mode switch in the Shutdown position #</sup> ~~be in at least HOT SHUTDOWN within the next 12 hours.~~

2. With more than one control rod scram accumulator inoperable, declare the associated control rods inoperable and:

- a) ~~If the control rod associated with any inoperable scram accumulator is withdrawn, immediately verify that at least one control rod drive pump is operating by inserting at least one withdrawn control rod at least one notch or place the reactor mode switch in the Shutdown position.~~

Within 20 minutes,

ensuring pressure supplied to the charging water header is  $\geq 440$  psig.

- b) Insert the inoperable control rods and disarm the associated control valves either:

- 1) Electrically, or
- 2) Hydraulically by closing the drive water and exhaust water isolation valves.

Otherwise, <sup>immediately place the reactor mode switch in the Shutdown position #</sup> ~~be in at least HOT SHUTDOWN within 12 hours.~~

b. In OPERATIONAL CONDITION 5\*:

1. With one withdrawn control rod with its associated scram accumulator inoperable, insert the affected control rod and disarm the associated directional control valves within one hour, either:

- a) Electrically, or
- b) Hydraulically by closing the drive water and exhaust water isolation valves.

2. With more than one withdrawn control rod with the associated scram accumulator inoperable or no control rod drive pump operating, immediately place the reactor mode switch in the Shutdown position.

c. The provisions of Specification 3.0.4 are not applicable.

\*At least the accumulator associated with each withdrawn control rod. Not applicable to control rods removed per Specification 3.9.10.1 or 3.9.10.2.

# Not applicable if all inoperable control rod scram accumulators are associated with fully inserted control rods.

WASHINGTON NUCLEAR - UNIT 2

3/4 1-9

9103120330 910301  
PDR ADOCK 05000397-  
PDR



Insert 3

3. With one or more control rod scram accumulators inoperable with reactor steam dome pressure  $< 800$  psig, declare the associated control rods inoperable and:
- Immediately verify that at least one control rod drive pump is operating by ensuring pressure supplied to the charging water header is  $\geq 940$  psig.
  - Within 1 hour, insert the inoperable control rods and disarm the associated control valves either:
    - Electrically, or
    - Hydraulically by closing the drive water and exhaust water isolation valves.

Otherwise, immediately place the reactor mode switch in the Shutdown position. #



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### SURVEILLANCE REQUIREMENTS

4.1.3.5 Each control rod scram accumulator shall be determined OPERABLE:

a. At least once per 7 days by verifying that the indicated pressure is greater than 940 psig unless the control rod is inserted and disarmed or scrambled.

b. At least once per 18 months by

1. Performance of a:

a) CHANNEL FUNCTIONAL TEST of the leak detectors, and

b) CHANNEL CALIBRATION of the pressure detectors, and verifying an alarm setpoint of equal to or greater than 940 psig on decreasing pressure.

~~2. Measuring and recording the time for up to 10 minutes that each individual accumulator check valve maintains the associated accumulator pressure above the alarm setpoint with no control rod drive pump operating.~~