

# CONTROLLED COPY

TABLE 1.2

## OPERATIONAL CONDITIONS

<u>CONDITION</u>	<u>MODE SWITCH POSITION</u>	<u>AVERAGE REACTOR COOLANT TEMPERATURE</u>
1. POWER OPERATION	Run	Any temperature
2. STARTUP	Startup/Hot Standby	Any temperature
3. HOT SHUTDOWN	Shutdown# ***	> 200°F****
4. COLD SHUTDOWN	Shutdown# ## ***	≤ 200°F****
5. REFUELING*	Shutdown or Refuel** #	≤ 140°F

#The reactor mode switch may be placed in the Run or Startup/Hot Standby position to test the switch interlock functions provided that the control rods are verified to remain fully inserted by a second licensed operator or other technically qualified member of the unit technical staff.

##The reactor mode switch may be placed in the Refuel position while a single control rod drive is being removed from the reactor pressure vessel per Specification 3.9.10.1.

\*Fuel in the reactor vessel with the vessel head closure bolts less than fully tensioned or with the head removed.

\*\*See Special Test Exceptions 3.10.1 and 3.10.3.

\*\*\*The reactor mode switch may be placed in the Refuel position while a single control rod is being recoupled provided that the one-rod-out interlock is OPERABLE.

\*\*\*\*See Special Test Exception 3.10.7.



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## REACTIVITY CONTROL SYSTEMS

### CONTROL ROD MAXIMUM SCRAM INSERTION TIMES

#### LIMITING CONDITION FOR OPERATION

3.1.3.2 The maximum scram insertion time of each control rod from the fully withdrawn position to notch position 6, based on deenergization of the scram pilot valve solenoids as time zero, shall not exceed 7 seconds.

APPLICABILITY: OPERATIONAL CONDITIONS 1 and 2.

#### ACTION:

- a. With the maximum scram insertion time of one or more control rods exceeding 7 seconds:
  1. Declare the control rod(s) with the slow insertion time inoperable, and
  2. Perform the Surveillance Requirements of Specification 4.1.3.2c. at least once per 60 days when operation is continued with three or more control rods with maximum scram insertion times in excess of 7 seconds.

Otherwise, be in at least HOT SHUTDOWN within 12 hours.

- b. The provisions of Specification 3.0.4 are not applicable.

#### SURVEILLANCE REQUIREMENTS

4.1.3.2 The maximum scram insertion time of the control rods shall be demonstrated through measurement with reactor coolant pressure greater than or equal to 950 psig and, during single control rod scram time tests, the control rod drive pumps isolated from the accumulators:

- a. For all control rods prior to THERMAL POWER exceeding 40% of RATED THERMAL POWER following CORE ALTERATIONS\* or after a reactor shutdown that is greater than 120 days.
- b. For specifically affected individual control rods following maintenance on or modification to the control rod or control rod drive system \*\* which could affect the scram insertion time of those specific control rods, and
- c. For at least 10% of the control rods, on a rotating basis, at least once per 120 days of POWER OPERATION.

\*Except movement of SRM, IRM, or special movable detectors or normal control rod movement

\*\* Demonstration may be performed at reactor coolant pressure less than 950 psig provided the measured scram insertion times are within established limits based on reactor coolant pressure and provided the test is repeated at greater than 950 psig prior to exceeding 40% of RATED THERMAL POWER.

WASHINGTON NUCLEAR - UNIT 2

3/4 1-6

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## 3/4.9 REFUELING OPERATIONS

### 3/4.9.1 REACTOR MODE SWITCH

#### LIMITING CONDITION FOR OPERATION

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3.9.1 The reactor mode switch shall be OPERABLE and locked in the Shutdown or Refuel position. When the reactor mode switch is locked in the Refuel position:

- a. A control rod shall not be withdrawn unless the Refuel position one-rod-out interlock is OPERABLE.
- b. CORE ALTERATIONS shall not be performed using equipment associated with a Refuel position interlock unless at least the following associated Refuel position interlocks are OPERABLE for such equipment.
  1. All rods in.
  2. Refuel platform position.
  3. Refuel platform hoists fuel-loaded.
  4. Service platform hoist fuel-loaded.

APPLICABILITY: OPERATIONAL CONDITION 5\* #X, OPERATIONAL CONDITIONS 3 and

ACTION: 4 when the reactor mode switch is in the Refuel position.

- a. With the reactor mode switch not locked in the Shutdown or Refuel position as specified, suspend CORE ALTERATIONS and lock the reactor mode switch in the Shutdown or Refuel position.
- b. With the one-rod-out interlock inoperable, lock the reactor mode switch in the Shutdown position.
- c. With any of the above required Refuel position equipment interlocks inoperable, suspend CORE ALTERATIONS with equipment associated with the inoperable Refuel position equipment interlock.

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\* See Special Test Exceptions 3.10.1 and 3.10.3.

# The reactor shall be maintained in OPERATIONAL CONDITION 5 whenever fuel is in the reactor vessel with the vessel head closure bolts less than fully tensioned or with the head removed.

1. The first group of people who are interested in the study of the history of the United States are the people who are interested in the history of the United States. They are interested in the history of the United States because they want to know more about the United States. They want to know more about the United States because they want to know more about the United States.