



## INFORMATION ONLY

### REACTOR COOLANT SYSTEM REACTOR COOLANT SYSTEM VENTS LIMITING CONDITION FOR OPERATION

3.4.11 The following reactor coolant system vent paths shall be operable:

- a. Reactor Coolant System Loop 1 with vent path through valves RC 4608A and RC 4608B.
- b. Reactor Coolant System Loop 2 with vent path through valves RC 4610A and RC 4610B.
- c. Pressurizer; with vent path through EITHER valves RC11 and RC 2A (PORV) OR valves RC 239A and RC 200.

APPLICABILITY: Modes 1, 2 and 3

#### ACTION:

- a. With one of the above vent paths inoperable, restore the inoperable vent path to OPERABLE status within 30 days, or, be in HOT STANDBY within 6 hours and in HOT SHUTDOWN within the following 30 hours.
- b. With two of the above vent paths inoperable, restore at least one of the inoperable vent paths to OPERABLE status within 72 hours or be in HOT STANDBY within 6 hours and in HOT SHUTDOWN within the following 30 hours.
- c. With three of the above vent paths inoperable, restore at least two of the inoperable vent paths to OPERABLE status within 72 hours or be in HOT STANDBY within 6 hours and in HOT SHUTDOWN within the following 30 hours.
- d. The provisions of specification 3.0.4 are not applicable.

### SURVEILLANCE REQUIREMENTS

4.4.11 Each reactor coolant system vent path shall be demonstrated OPERABLE at least once per 18 months by:

1. Verifying all manual isolation valves in each vent path are locked in the open position, and
2. Cycling each valve in the vent path through at least one complete cycle of full travel from the control room during COLD SHUTDOWN or REFUELING, and
3. Verifying flow through the reactor coolant vent system vent paths during COLD SHUTDOWN or REFUELING.

REACTOR COOLANT SYSTEM

BASES

3.4.4.10 STRUCTURAL INTEGRITY

The inspection programs for ASME Code Class 1, 2 and 3 components, except steam generator tubes, ensure that the structural integrity of these components will be maintained at an acceptable level throughout the life of the plant. To the extent applicable, the inspection program for these components is in compliance with Section XI of the ASME Boiler and Pressure Vessel Code.

The internals vent valves are provided to relieve the pressure generated by steaming in the core following a LOCA so that the core remains sufficiently covered. Inspection and manual actuation of the internals vent valves 1) ensure OPERABILITY, 2) ensure that the valves are not stuck open during normal operation, and 3) demonstrates that the valves are fully open at the forces equivalent to the differential pressures assumed in the safety analysis.

3.4.4.11 HIGH POINT VENTS

The Reactor Coolant System high point vents are installed per NUREG-0737 item II.B.1 requirements. The operability of the system ensures capability of venting steam or noncondensable gas bubbles in the reactor cooling system to restore natural circulation following a small break loss of coolant accident.

Replace with attached

#### 3/4.4.11 REACTOR COOLANT SYSTEM VENTS

The OPERABILITY of the reactor coolant system (RCS) vent paths (installed per NUREG-0737, Item II.B.1 requirements) ensures the capability of venting steam or noncondensable gas bubbles in the reactor cooling system to restore natural circulation following a small break loss-of-coolant accident.

The OPERABILITY of the pilot-operated relief valve (PORV) flow path (through valves RC 11 and RC 2A) ensures the availability of a relief path during the off design basis "feed and bleed" mode of core cooling in the unlikely event of a total loss of all feedwater.

The OPERABILITY of a pressurizer vent path (through either valves RC 11 and RC 2A, or valves RC 239A and RC 200) ensures the availability of an alternate means of depressurizing the RCS in the event of a steam generator tube rupture or natural circulation cooldown.

The OPERABILITY of the PORV flow path (valves RC 11 and RC 2A) ensures that challenges to the pressurizer code safety valves will be minimized, and provides an alternate means of limiting RCS pressure excursions. In the event of excessive seat leakage of the PORV (RC 2A), or a stuck open PORV, the OPERABILITY of the PORV block valve (RC 11) provides a means of isolating the PORV flow path.

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