

TECHNICAL SPECIFICATION CHANGES

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REACTOR COOLANT SYSTEM

PRIMARY COOLANT SYSTEM PRESSURE ISOLATION VALVES LIMITING CONDITION FOR OPERATION

3.4.6.3 Reactor Coolant System Pressure Isolation Valves shall be operational.

- a. The integrity of all pressure isolation valves listed in Table 4.4-4 shall have been demonstrated, except as specified in "b". Valve leakage shall not exceed the amounts indicated.
- b. In the event that the integrity of any pressure isolation valve specified in Table 4.4-4 cannot be demonstrated, reactor operation may continue, provided that at least two valves in each high pressure line having a non-functional valve are in, and remain in, the mode corresponding to the isolated condition. (a)

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTION: If neither Condition "a" nor "b" can be met, an orderly shutdown shall be initiated within one hour and the reactor shall be in at least HOT STANDBY within 6 hours and in COLD SHUTDOWN within the following 30 hours.

SUPVEILLANCE REQUIREMENTS

- 4.4.6.3 a. Periodic leakage testing (b) on each valve listed in Table 4.4-4 shall be accomplished:
1. Each time the plant is placed in COLD SHUTDOWN condition for refueling.
 2. Each time the plant is placed in COLD SHUTDOWN condition for 72 hours if testing has not been accomplished in the preceding 12 months.

(a) Motor operated valves shall be placed in the closed position and power supplies deenergized.

(b) To satisfy ALARA requirements, leakage may be measured indirectly (as from the performance of pressure indicators) if accomplished in accordance with approved procedures and supported by computations showing that the method is capable of demonstrating valve compliance with the leakage criteria.

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3. Prior to returning the valve to service following maintenance, repair, or replacement work on the valve.
 4. The provision of specification 4.0.4 is not applicable for entry into Mode 3 or 4.
- b. Whenever integrity of a pressure isolation valve listed in Table 4.4-4 cannot be demonstrated, the integrity of the remaining valve in each high pressure line having a leaking valve shall be determined and recorded daily. In addition, the position of one other valve located in the high pressure line shall be recorded daily.

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Order dated April 20, 1981

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REACTOR COOLANT SYSTEM PRESSURE ISOLATION VALVES

<u>System</u>	<u>Valve No.</u>	<u>Maximum (a) (b) Allowable Leakage</u>
Low Pressure Safety Injection		
Loop 11, cold leg	11SJ56	≤5.0 GPM each valve
	11SJ43	≤5.0 GPM each valve
Loop 12, cold leg	12SJ56	≤5.0 GPM each valve
	12SJ43	≤5.0 GPM each valve
Loop 13, cold leg	13SJ56	≤5.0 GPM each valve
	13SJ43	≤5.0 GPM each valve
Loop 13, hot leg	13SJ156	≤5.0 GPM each valve
	13RH27	≤5.0 GPM each valve
Loop 14, cold leg	14SJ56	≤5.0 GPM each valve
	14SJ43	≤5.0 GPM each valve
Loop 14, hot leg	14SJ156	≤5.0 GPM each valve
	14RH27	≤5.0 GPM each valve
Intermediate Pressure Safety Injection		
Loop 11, cold leg	11SJ144	≤5.0 GPM each valve
Loop 11, hot leg	11SJ156	≤5.0 GPM each valve
	11SJ139	≤5.0 GPM each valve
Loop 12, cold leg	12SJ144	≤5.0 GPM each valve
Loop 12, hot leg	12SJ156	≤5.0 GPM each valve
	12SJ139	≤5.0 GPM each valve
Loop 13, cold leg	13SJ144	≤5.0 GPM each valve
Loop 13, hot leg	13SJ156	≤5.0 GPM each valve
	13SJ139	≤5.0 GPM each valve
Loop 14, cold leg	14SJ144	≤5.0 GPM each valve
Loop 14, hot leg	14SJ156	≤5.0 GPM each valve
	14SJ139	≤5.0 GPM each valve

- (a)
1. Leakage rates less than or equal to 1.0 gpm are considered acceptable. However, for initial tests, or tests following valve repair or replacement, leakage rates less than or equal to 5.0 gpm are considered acceptable.
 2. Leakage rates greater than 1.0 gpm but less than or equal to 5.0 gpm are considered acceptable if the latest measured rate has not exceeded the rate determined by the previous test by an amount that reduces the margin between measured leakage rate and the maximum permissible rate of 5.0 gpm by 50% or greater.
 3. Leakage rates greater than 1.0 gpm but less than or equal to 5.0 gpm are considered unacceptable if the latest measured rate exceeded the rate determined by the previous test by an amount that reduces the margin between measured leakage rate and the maximum permissible rate of 5.0 gpm by 50% or greater.
 4. Leakage rates greater than 5.0 gpm are considered unacceptable.

(b) Minimum differential test pressure shall not be less than 150 psid.