

3.3.5 Primary Coolant System Pressure Isolation Valves

Applicability:

Operational Modes 1, 2, 3 (Power Operation, Startup, and Hot Standby) applies to the operational status of the primary coolant system pressure isolation valves.

Objective:

To increase the reliability of primary coolant system pressure isolation valves thereby reducing the potential of an intersystem loss of coolant accident.

Specification:

1. The integrity of all pressure isolation valves listed in Table 3.3.5-1 shall be demonstrated by Specification 4.2.2. Valve leakage shall not exceed the amounts indicated in Table 3.3.5-1.
2. If Specification 1 cannot be met, an orderly shutdown shall be initiated and the reactor shall be in the cold shutdown condition within 24 hours.

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TABLE 3.3.5-1

PRIMARY COOLANT SYSTEM PRESSURE ISOLATION VALVES

<u>System</u>	<u>Valve No.</u>	<u>Maximum (a) Allowable Leakage</u>
Safety Injection		
Loop A, cold leg	867a	≤5.0 GPM
Loop B, cold leg	867b	≤5.0 GPM
Loop C, cold leg	867c	≤5.0 GPM

Footnote:

- (a)1. Leakage rates less than or equal to 1.0 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.

4.2

SAFETY INJECTION AND CONTAINMENT SPRAY SYSTEM

4.2.1

Safety Injection and Containment Spray System
Periodic Testing

Applicability: Applies to testing of the Safety Injection System and the Containment Spray System.

Objective: To verify that the Safety Injection System and the Containment Spray System will respond promptly and properly if required.

Specification: I. System Test

A. Safety Injection System

(1) During reactor shutdown at intervals not longer than the normal plant refueling intervals, a "no-flow" system test shall be conducted to demonstrate proper availability of the system. The test shall be performed in accordance with the following procedure:

- (a) The feedwater, safety injection, charging, condensate, and heater drain pumps shall not be operating. Their respective breakers shall be racked-out to the test position with control power available.
- (b) The flow path for condensate shall be positively blocked prior to the test.
- (c) Injection and recirculation system operation shall be initiated by instrumentation and controls installed in the control room.

(2) The test will be considered satisfactory if control board indication and visual observations indicate all components have operated and sequenced properly. That is, the appropriate pump breakers have opened and closed, and all valves have completed their travel.

(3) A test of the trisodium phosphate additive shall be conducted to demonstrate the availability of the system. The test shall be performed in accordance with the following procedure:

4.2.2 Primary Coolant System Pressure Isolation Valves

Applicability

Operational Modes 1, 2, 3 (Power Operation, Startup, and Hot Standby) applies to the operational status of the primary coolant system pressure isolation valves.

Objective:

To increase the reliability of primary coolant system pressure isolation valves thereby reducing the potential of an intersystem loss of coolant accident.

Specification:

1. Periodic leakage testing (a) on each valve listed in Table 3.3.5-1 shall be accomplished every time the plant is placed in the cold shutdown condition for refueling, each time the plant is placed in a cold shutdown condition for 72 hours if testing has not been accomplished in the preceeding 9 months, and prior to returning the valve to service after maintenance, repair or replacement work is performed.

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- (a) 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. The minimum test differential pressure shall not be less than 150 psid.