

3.19 SAFETY INJECTION SYSTEM

- Applicability: Applies to the condition of safety injection system.
- Objective: To define the condition of the safety injection system required during reactor operation.
- Specification:
- a) None of the following valves may be closed unless the reactor is subcritical:
 1. Any safety injection tank isolation valve (SIA-M-11, 21, 31)
 2. Any safety injection header isolation valve (HSI-16, 26, 36)
 3. Any loop isolation valve (RC-M-11,12, 21, 22, 31, 32)
 - b) The reactor shall not be critical unless the following conditions are met:
 1. The breakers shall be racked out and tagged open for the safety injection tank isolation valves, the power leads shall be removed from the breakers, the bare metal terminal ends taped, and the breakers locked out.
 2. The breakers for the loop isolation valves:
 - a) Shall be opened, and padlocked in the open position.
 - b) The breaker thermal overload links shall be physically removed from the breakers.
 - c) An entry describing the above action shall be placed in the Shift Supervisor's Log Book.

Exception: Breakers for loop isolation valves RC-M-21 and RC-M-22 need not be opened and padlocked and the thermal overload links for these valves need not be physically removed during the period between May 5, 1981 and May 9, 1981.

Basis: The position restrictions on the loop isolation valves, safety injection header isolation valves, and the safety injection tank isolation valves are necessary to assure that plant operation is restricted to conditions considered in the loss-of-coolant accident analysis.

The exception with respect to valves RC-M-21 and RC-M-22 ensures that loop two can be isolated rapidly following a postulated plant shutdown necessitated by degradation at the loop two reactor coolant pump seals.