ORDER FOR MODIFICATION OF LICENSE

(EVENT V)

SAN ONOFRE UNIT 1

DOCKET NO. 50-206

Insert the enclosed pages in the Appendix A Technical Specifications.

Pages
25a
25b
46c

3.3.4 Primary Coolant System Pressure Isolation Valves
(Limiting Condition for Operation)

Applicability:

Operational Modes 1, 2, 3 (Power Operation, Startup, and Hot Shutdown) 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 inter-system loss of coolant accident.

Specification:

1. The integrity of all pressure isolation valves listed in Table 3.3.4-1 shall be demonstrated by specification 4.2.2. Valve leakage shall not exceed the amounts indicated in Table 3.3.4-1.

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.

NRC Order dated
April 20, 1981

TABLE 3.3.4-1

PRIMARY COOLANT SYSTEM PRESSURE ISOLATION VALVES

System	Valve No.	Maximum Allowable Leakage (a)
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.

4.2.2 Primary Coolant System Pressure Isolation Valves
(Surveillance Requirement)

Applicability

Operational Modes 1, 2, 3 (Power Operation, Startup, and Hot Shutdown) 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 inter-system loss of coolant accident.

Specification:

1. Periodic leakage testing [(a)] on each valve listed in Table 3.3.4-1 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.

(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.