

5.5 Programs and Manuals

5.5.15 Containment Leakage Rate Testing Program

A program shall be established to implement the leakage rate testing of the containment as required by 10 CFR 50.54(o) and 10 CFR 50, Appendix J, Option B, as modified by approved exemptions. This program shall be in accordance with the guidelines contained in Regulatory Guide 1.163, "Performance-Based Containment Leak Test Program, dated September 1995" as modified by the following exception:

ANS 56.8-1994, Section 3.3.1: WCCPPS isolation valves are not Type C tested.

NEI 94-01-1995, Section 9.2.3: The first Type A test performed after the December 2, 1990 Type A test shall be performed no later than December 1, 2005.

The maximum allowable primary containment leakage rate, L_a , at a minimum test pressure equal to P_a , shall be 0.1% of primary containment air weight per day. P_a is the peak calculated containment internal pressure related to the design basis accident.

Leakage acceptance criteria are:

- a. Containment leakage rate acceptance criterion is $\leq 1.0 L_a$. During the first unit startup following testing in accordance with this program, the leakage rate acceptance criteria are $\leq 0.60 L_a$ for the Type B and C tests and $\leq 0.75 L_a$ for Type A tests;
- b. Air lock testing acceptance criteria are:
 - 1) Overall air lock leakage rate is $\leq 0.05 L_a$ when tested at $\geq P_a$.
 - 2) For each door, leakage rate is $\leq 0.01 L_a$ when pressurized to $\geq P_a$.
- c. Isolation Valve Seal Water System leakage rate acceptance criterion is $\leq 14,700$ cc/hr at $\geq 1.1 P_a$.
- d. Acceptance criterion for leakage into containment from isolation valves sealed with the service water system is ≤ 0.36 gpm per fan

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cooler unit when pressurized at $\geq 1.1 P_a$. This limit protects the internal recirculation pumps from flooding during the 12-month period of post accident recirculation.

The provisions of SR 3.0.3 are applicable to the Containment Leakage Rate Testing Program.

Nothing in these Technical Specifications shall be construed to modify the testing Frequencies required by 10CFR50, Appendix J.

The peak calculated containment internal pressure for the design basis main steam line break, P_a , is 42.40 psig. The minimum test pressure is 42.42 psig.

The maximum allowable primary containment leakage rate, L_a , at P_a , shall be 0.1% of primary containment air weight per day.
