

DUKE POWER COMPANY
OCONEE NUCLEAR STATION
ATTACHMENT 2
PROPOSED TECHNICAL SPECIFICATION REVISION

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4.4.1.5 Containment Air Lock Testing

4.4.1.5.1 Scope of Testing

The Personnel Air Lock and Emergency Air Lock shall be tested as required by the following:

4.4.1.5.2 Frequency of Test

- (a) The Personnel Air Lock and Emergency Air Lock shall be tested quarterly at an internal pressure of not less than 59 psig.
- (b) Air locks opened during periods when containment integrity is not required shall be tested at the end of such periods by a full hatch leak test at not less than 59 psig. If the full hatch test has been performed within the previous 3 days, the leak test can be performed between the double seal of the outer door at not less than 59 psig.
- (c) When containment integrity is required, either a full hatch leak test or a leak test of the outer door double seal will be performed within 3 days of initial opening, and during periods of frequent use, at least once every 3 days. Each leak test will be performed at not less than 59 psig.

4.4.1.5.3 Acceptance Criteria

The acceptance criteria for the air lock leakage test is as stated in Specification 4.4.1.2.3.

When containment integrity is established, the overall containment leak rate of 0.25 weight percent of containment air at 59 psig will assure that the limits of 10CFR100 will not be exceeded should the maximum hypothetical accident occur. In order to assure the integrity of the containment, periodic testing is performed at reduced pressure, 29.5 psig. The permissible leakage rate at this reduced pressure has been established from the initial integrated leak rate tests in conformance with 10CFR50, Appendix J.

The containment air locks (i.e., Personnel Hatch and Emergency Hatch) are tested on a more frequent basis than other penetrations. The air locks are utilized during periods of time when containment integrity is required as well as when the reactor is shutdown. Proper verification of door seal integrity is required to ensure containment integrity. Because the door seals are recessed, damage from tools due to air lock entry is improbable; however, a leak test of the outer door seals has been shown to be an acceptable alternative to the full hatch test to ensure air lock integrity.

REFERENCES

- (1) FSAR, Sections 5 and 13

ONS TECHNICAL SPECIFICATIONS
TABLE 4.4-1

PENETRATION NUMBER	SYSTEM	TYPE A TEST SYSTEM CONDITION	LOCAL LEAK TEST		REMARKS
			REQUIRED BY APPENDIX J	REQUIRED FOR OCONEE	
58 (All)	OTSG B	Note 1	Type C	Yes	Note 7b
(Unit 2,3)	sample line	Note 1	Type C	Yes	Note 2, 7b
59	Pressurizer sample line	Note 1	None	NA	Note 2, 8(14)
	CF tank				
	sample line				
60	RB sample line (outlet)	Note 1	Type B	Yes	Note 2, 7b, 9(9)
61	RB sample line (inlet)	Note 1	Type B	Yes	Note 3, 7b, 9(9)
62 (Units 2, 3 only)	DHR return line	Not Vented	None	NA	Note 4, 8(13)
	Personnel hatch	Vented	Type B	Yes	Note 6b
	Emergency hatch	Vented	Type B	Yes	Note 6b
	Equipment hatch	Vented	Type B	Yes	Note 6c
	Electrical penetration	Vented	Type B	Yes	Note 6a

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