

INDEX

LIMITING CONDITIONS FOR OPERATION AND SURVEILLANCE REQUIREMENTS

<u>SECTION</u>	<u>PAGE</u>
TABLE 3.7-3	STEAM LINE SAFETY VALVES PER LOOP3/4 7-3
	Auxiliary Feedwater System.....3/4 7-4
	Demineralized Water Storage Tank.....3/4 7-6
	Specific Activity.....3/4 7-7
TABLE 4.7-1	SECONDARY COOLANT SYSTEM SPECIFIC ACTIVITY SAMPLE AND ANALYSIS PROGRAM3/4 7-8
	Main Steam Line Isolation Valves3/4 7-9
	Steam Generator Atmospheric Relief Bypass Lines3/4 7-9a
3/4.7.2	DELETED3/4 7-10
3/4.7.3	REACTOR PLANT COMPONENT COOLING WATER SYSTEM ..3/4 7-11
3/4.7.4	SERVICE WATER SYSTEM3/4 7-12
3/4.7.5	ULTIMATE HEAT SINK.....3/4 7-13
3/4.7.6	DELETED3/4 7-14
3/4.7.7	CONTROL ROOM EMERGENCY VENTILATION SYSTEM.....3/4 7-15
3/4.7.8	DELETED3/4 7-18
3/4.7.9	AUXILIARY BUILDING FILTER SYSTEM3/4 7-20
3/4.7.10	SNUBBERS3/4 7-22
TABLE 4.7-2	SNUBBER VISUAL INSPECTION INTERVAL3/4 7-27
FIGURE 4.7-1	SAMPLE PLAN 2) FOR SNUBBER FUNCTIONAL TEST3/4 7-29
3/4.7.11	DELETED3/4 7-30
3/4.7.12	DELETED
TABLE 3.7-4	DELETED
TABLE 3.7-5	DELETED
3/4.7.13	DELETED
3/4.7.14	AREA TEMPERATURE MONITORING3/4 7-32
TABLE 3.7-6	AREA TEMPERATURE MONITORING3/4 7-33

INDEX

BASES

<u>SECTION</u>	<u>PAGE</u>
TABLE B 3/4.4-1 REACTOR VESSEL FRACTURE TOUGHNESS PROPERTIES	B 3/4 4-9
FIGURE B 3/4.4-1 FAST NEUTRON FLUENCE (E>1MeV) AS A FUNCTION OF FULL POWER SERVICE LIFE	B 3/4 4-10
3/4.4.10 DELETED	B 3/4 4-15
3/4.4.11 DELETED	B 3/4 4-15
<u>3/4.5 EMERGENCY CORE COOLING SYSTEMS</u>	
3/4.5.1 ACCUMULATORS	B 3/4 5-1
3/4.5.2 and 3/4.5.3 ECCS SUBSYSTEMS	B 3/4 5-1
3/4.5.4 REFUELING WATER STORAGE TANK	B 3/4 5-2
3/4.5.5 pH TRISODIUM PHOSPHATE STORAGE BASKETS	B 3/4 5-3
<u>3/4.6 CONTAINMENT SYSTEMS</u>	
3/4.6.1 PRIMARY CONTAINMENT	B 3/4 6-1
3/4.6.2 DEPRESSURIZATION AND COOLING SYSTEMS	B 3/4 6-2
3/4.6.3 CONTAINMENT ISOLATION VALVES	B 3/4 6-3
3/4.6.4 DELETED	
3/4.6.5 SUBATMOSPHERIC PRESSURE CONTROL SYSTEM	B 3/4 6-3d
3/4.6.6 SECONDARY CONTAINMENT	B 3/4 6-4
<u>3/4.7 PLANT SYSTEMS</u>	
3/4.7.1 TURBINE CYCLE	B 3/4 7-1
3/4.7.2 DELETED	B 3/4 7-7
3/4.7.3 REACTOR PLANT COMPONENT COOLING WATER SYSTEM	B 3/4 7-7
3/4.7.4 SERVICE WATER SYSTEM	B 3/4 7-7
3/4.7.5 ULTIMATE HEAT SINK	B 3/4 7-8
3/4.7.6 DELETED	B 3/4 7-10
3/4.7.7 CONTROL ROOM EMERGENCY VENTILATION SYSTEM	B 3/4 7-10
3/4.7.8 DELETED	B 3/4 7-17
3/4.7.9 AUXILIARY BUILDING FILTER SYSTEM	B 3/4 7-23
3/4.7.10 SNUBBERS	B 3/4 7-23

DEFINITIONS

CONTAINMENT INTEGRITY

1.7 CONTAINMENT INTEGRITY shall exist when:

- a. All penetrations required to be closed during accident conditions are either:
 1. Capable of being closed by an OPERABLE containment automatic isolation valve system^{*}, or
 2. Closed by manual valves, blind flanges, or deactivated automatic valves secured in their closed positions, except for valves that are opened under administrative control as permitted by Specification 3.6.3.
- b. All equipment hatches are closed and sealed,
- c. Each air lock is in compliance with the requirements of Specification 3.6.1.3,
- d. The containment leakage rates are within the limits of the Containment Leakage Rate Testing Program, and
- e. The sealing mechanism associated with each penetration (e.g., welds, bellows, or O-rings) is OPERABLE.

CONTROLLED LEAKAGE

1.8 CONTROLLED LEAKAGE shall be that seal water flow supplied to the reactor coolant pump seals.

CORE ALTERATIONS

1.9 CORE ALTERATIONS shall be the movement of any fuel, sources, reactivity control components, or other components affecting reactivity within the reactor vessel with the vessel head removed and fuel in the vessel. Suspension of CORE ALTERATIONS shall not preclude completion of movement of a component to a safe position.

DOSE EQUIVALENT I-131

1.10 DOSE EQUIVALENT I-131 shall be that concentration of I-131 (microCurie/gram) which alone would produce the same CDE-thyroid dose as the quantity and isotopic mixture of I-131, I-132, I-133, I-134, and I-135 actually present. The thyroid dose conversion factors used for this calculation shall be those listed under "Inhalation" in Federal Guidance Report No. 11 (FGR 11), "Limiting Values of Radionuclide Intake and Air Concentration and Dose Conversion Factors for Inhalation, Submersion and Ingestion."

* In MODE 4, the requirement for an OPERABLE containment isolation valve system is satisfied by use of the containment isolation actuation pushbuttons.

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PROCEDURES AND PROGRAMS (Continued)

- 2) Pre-planned operating procedures and backup instrumentation to be used if one or more monitoring instruments become inoperable, and
- 3) Administrative procedures for returning inoperable instruments to OPERABLE status as soon as practicable.

f. 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.

The peak calculated containment internal pressure for the design basis loss of coolant accident, P_a , is 38.57 psig.

The maximum allowable containment leakage rate L_a , at P_a , shall be 0.3 percent by weight of the containment air per 24 hours.

Leakage rate acceptance criteria are:

- 1) Containment overall 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 $< 0.60 L_a$ for the combined Type B and Type C tests, and $\leq 0.06 L_a$ for all penetrations that are Secondary Containment bypass leakage paths, and $< 0.75 L_a$ for Type A tests;
- 2) Air lock testing acceptance criteria are:
 - a. Overall air lock leakage rate is $\leq 0.05 L_a$ when tested at $\geq P_a$.
 - b. For each door, seal leakage rate is $< 0.01 L_a$ when pressurized to $\geq P_a$.

The provisions of Specification 4.0.2 do not apply to the test frequencies specified in the Containment Leakage Rate Testing Program.

The provisions of Specification 4.0.3 are applicable to the Containment Leakage Rate Testing Program.

* An exemption to Appendix J, Option A, paragraph III.D.2(b)(ii), of 10 CFR Part 50, as approved by the NRC on December 6, 1985.