

TABLE OF CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
TECHNICAL SPECIFICATIONS		
1.	DEFINITIONS	1-1
1.1	Safety Limits	1-1
1.2	Limiting Safety System Settings	1-1
1.3	Limiting Conditions for Operation	1-1
1.4	Operable	1-1
1.5	Containment Integrity	1-2
1.6	Protective Instrumentation Logic	1-2
1.7	Instrumentation Surveillance	1-3
1.8	Shutdown	1-3
1.9	Power Operation	1-4
1.10	Refueling Operation	1-4
1.11	Rated Power	1-4
1.12	Thermal Power	1-4
1.13	Design Power	1-4
1.14	(Deleted)	1-5
1.15	Power Tilt	1-5
1.16	Interim Limits	1-6
1.17	Low Power Physics Tests	1-6
1.18	RCS Pressure Boundary Integrity	1-6
2	SAFETY LIMITS AND LIMITING SAFETY SYSTEM SETTINGS	2.1-1
2.1	Safety Limit, Reactor Core	2.1-1
2.2	Safety Limit, Reactor Coolant System Pressure	2.2-1
2.3	Limiting Safety System Setting, Protective Instrumentation	2.3-1
3	LIMITING CONDITIONS FOR OPERATION	3.1-1
3.1	Reactor Coolant System	3.1-1
	Operational Components	3.1-1
	Pressure-Temperature Limits	3.1-2
	Leakage	3.1-4
	Maximum Reactor Coolant Activity	3.1-5
	Reactor Coolant Chemistry	3.1-6
	DNB Parameters	3.1-7
3.2	Control Rod and Power Distribution Limits	3.2-1
	Control Rod Insertion Limits	3.2-1
	Misaligned Control Rod	3.2-2
	Rod Drop Time	3.2-2
	Inoperable Control Rods	3.2-2
	Control Rod Position Indication	3.2-3
	Power Distribution Limits	3.2-3
	In-Core Instrumentation	3.2-7
	Axial Offset Alarms	3.2-8
3.3	Containment	3.3-1
3.4	Engineered Safety Features	3.4-1
	Safety Injection and RHR Systems	3.4-1
	Emergency Containment Cooling Systems	3.4-3
	Emergency Containment Filtering System	3.4-4
	Intake Cooling Water System	3.4-5
3.5	Instrumentation	3.5-1
3.6	Chemical and Volume Control System	3.6-1

1.16 REACTOR COOLANT PUMPS

The reactor shall not be operated with less than three reactor coolant pumps in operation.

1.17 LOW POWER PHYSICS TESTS

Low power physics tests are tests below a nominal 5% of rated power which measure fundamental characteristics of the reactor core and related instrumentation.

1.18 REACTOR COOLANT SYSTEM PRESSURE BOUNDARY INTEGRITY

For purposes of low temperature RCS overpressure protection, the RCS will have pressure boundary integrity UNLESS the RCS is open to containment and the minimum area of the RCS opening is greater than 2.20 square inches.

3.15 OVERPRESSURE MITIGATING SYSTEM

Applicability: Establishes operating limitations to assure that the limits of 10 CFR 50, Appendix G, are not exceeded.

Objectives: To minimize the possibility of an overpressure transient which could exceed the limits of 10 CFR 50, Appendix G.

- Specification:
1. At RCS temperature less than or equal to 380°F and with RCS pressure boundary integrity, valves MOV--843A, and MOV--843B shall be closed and their breakers racked out, and MOV--869 shall be closed and tagged "closed" at the control switch.
 2. If any of the valves listed in 3.15.1 are found to be open when required to be closed by 3.15.1, perform at least one of the following within the next 8 hours:
 - a. block the corresponding flow path to the reactor vessel, or
 - b. close the valve, or
 - c. depressurize and vent the RCS through an opening with an area of at least 2.20 square inches, or
 - d. verify at least one pressurizer power operated relief valve is maintained open.
 3. At RCS temperature less than or equal to 275°F with RCS pressure boundary integrity established, two pressurizer power operated relief valves shall be operable at the low setpoint range.
 - a. If one power operated relief valve required by 3.15.3 is inoperable, perform at least one of the following within 7 days:
 - (1) restore operability of the power operated relief valve, or
 - (2) depressurize and vent the RCS through an opening with an area of at least 2.20 square inches, or
 - (3) verify at least one pressurizer power operated relief valve is maintained open.
 - b. If both power operated relief valves required by 3.15.3 are inoperable, perform at least one of the following within the next 24 hours:
 - (1) restore operability of at least one power operated relief valve, or
 - (2) depressurize and vent the RCS through an opening with an area of at least 2.20 square inches, or
 - (3) verify at least one pressurizer power operated relief valve is maintained open.



4.16 OVERPRESSURE MITIGATING SYSTEM

Applicability: Applies to periodic surveillance of the Overpressure Mitigating System.

Objective: To demonstrate operability of the Overpressure Mitigating System.

Specification:

1. Within 1 month prior to operation in a condition where the PORV would be required to be operable per 3.15, the pressurizer power operated relief valve actuation circuitry shall be functionally tested. The functional test need not include actual valve operation.
2. While valves MOV-*-843A, MOV-*-843B and MOV-*-869 are required to be closed by Specification 3.15.1, they shall be verified closed daily.
3. While the pressurizer power operated relief valves are required to be operable by Specification 3.15.3, verify weekly that the isolation valve for each operable pressurizer power operated relief valve is open.
4. While the pressurizer power operated relief valves are required to be operable by Specification 3.15.3, the operable pressurizer power operated relief valve actuation circuitry shall be functionally tested monthly. The functional test need not include actual valve operation.
5. While the pressurizer power operated relief valves are required to be operable by specification 3.15.3, the operational readiness of the backup air supply corresponding to the operable pressurizer power operated relief valve shall be verified daily.
6. Testing shall be in accordance with approved plant procedures.

BASES FOR LIMITING CONDITIONS OF OPERATION, OVERPRESSURE MITIGATING SYSTEM

The operability of two PORV's or an RCS vent opening of greater than or equal to 2.20 square inches ensures that the RCS will be protected from pressure transients which could exceed the limits of Appendix G to 10 CFR Part 50 when one or more of the RCS cold legs are \leq 275°F. Either PORV has adequate relieving capability to protect the RCS from overpressurization when the transient is limited to either (1) the start of an idle RCP with the secondary water temperature of the steam generator \leq 50°F above the RCS cold leg temperature (includes margin for instrument error) or (2) the start of a HPSI pump and its injection into a water solid RCS.

