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TRM

APPROVED AMENDMENT TO UNIT 1 TECHNICAL REQUIREMENTS MANUAL

EFFECTIVE DATE 04/15/2003

Replace the following pages of the Technical Requirements Manual with the enclosed pages. The revised pages are identified by Effective Date and contain vertical lines indicating the area of change.

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3.7 Plant Systems

3.7.10 Spent Fuel Storage Pools (SFSPs)

TRO 3.7.10 The following conditions shall be met when the Unit 1 and Unit 2 SFSPs are not cross-connected through the Cask Storage Pit.

- a. The Unit 1 SFSP water temperature is less than or equal to 115 °F.
- b. Both subsystems of the ESW system must have at least one pump and the respective flow path to the Spent Fuel Storage Pool OPERABLE.
- c. One RHR Fuel Pool Cooling subsystem must be OPERABLE. (Cannot be the same set of equipment used to meet item d.)
- d. RHR must have one subsystem of Suppression Pool Cooling OPERABLE. (Cannot be the same set of equipment used to meet item c.)
- e. Zone I is capable of being aligned to the Recirculation Plenum.

APPLICABILITY: MODES 1, 2, 3, and 4 when the analyzed nominal decay heat in one SFSP is $\leq 5.1 \times 10^6$ BTU/hr concurrent with the analyzed nominal decay heat in the other SFSP $\leq 3.1 \times 10^6$ BTU/hr.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Fuel pool water temperature > 115 °F.	A.1 Restore the temperature ≤ 115 °F.	12 hours
B. Less than two subsystems of ESW with at least one pump or the respective flow path to the Spent Fuel Storage Pool OPERABLE.	B.1 Restore two subsystems of ESW with at least one pump and the respective flow path to the Spent Fuel Storage Pool to OPERABLE status.	48 hours
C. No RHR Fuel Pool Cooling subsystem's OPERABLE.	C.1 Restore one subsystem to OPERABLE status.	7 days

(continued)

ACTIONS_ (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
D. No RHR Suppression Pool Cooling subsystem's OPERABLE.	D.1 Restore one subsystem to OPERABLE status.	7 days
E. Zone I not capable of being aligned to the Recirculation plenum.	E.1 Restore alignment capability.	7 days
F. Required Actions and associated Completion Times not met.	F.1 Initiate actions to cross-connect the Unit 1 and Unit 2 Spent Fuel Storage Pools through the Cask Storage Pit.	Immediately

TECHNICAL REQUIREMENT SURVEILLANCE

SURVEILLANCE	FREQUENCY
TRS 3.7.10.1 Verify the fuel pool temperature is less than or equal to 115 °F.	12 hours
TRS 3.7.10.2 Verify both subsystems of ESW have at least one pump and the respective flow path to the Spent Fuel Storage Pool OPERABLE.	Once within 12 hours after the SFSP is isolated from the Cask Storage Pit <u>AND</u> Once per 24 hours thereafter
TRS 3.7.10.3 Verify that an RHR Fuel Pool Cooling subsystem is OPERABLE.	Once within 12 hours after the SFSP is isolated from the Cask Storage Pit <u>AND</u> Once per 24 hours thereafter

(continued)

B 3.7.10 Spent Fuel Storage Pools

BASES

- TRO The design and licensing basis of SSES assumes that the Unit 1 and Unit 2 Spent Fuel Storage Pools (SFSP) are cross-connected through the Cask Storage Pit. This allows either Unit's Fuel Pool Cooling system and RHR Fuel Pool Cooling subsystem to provide cooling to the spent fuel stored in both units SFSP. In addition, cross-connected SFSP's allow make up water to be added to either unit's SFSP. If the SFSP are not cross-connected through the Cask Storage Pit, certain conditions must be maintained to assure the fuel pools remain within analyzed conditions. This TRO defines the required conditions and the actions required should the conditions not be met. The conditions applicable to SFSP's that are not cross-connected are:
- a. The Unit 1 SFSP water temperature is less than or equal to 115 °F. The Fuel Pool Cooling system analyses assume the fuel pool temperature is less than or equal to 115 °F. Normally, the Fuel Pool Cooling system is used to maintain the fuel pool temperature less than or equal to 115 °F.
 - b. Both subsystems of the ESW system must have at least one pump and the respective flow path to the SFSP to be considered OPERABLE for the ESW system fuel pool supply function. The ESW system provides the only safety-related source of make-up water to the SFSP.
 - c. The RHR Fuel Pool Cooling subsystem provides a safety-related source of cooling to the SFSP. The RHR Fuel Pool Cooling subsystem is considered OPERABLE when one of the pumps, one of the heat exchangers, associated piping, valves, instrumentation and controls are OPERABLE. Note that this cannot be the same set of equipment (pump, heat exchanger, piping, valves etc.) credited for an OPERABLE RHR Suppression Pool Cooling subsystem.

(continued)

B 3.11.2.6_ Radioactive Gaseous Effluent Monitoring Instrumentation

BASES (continued)

TRS The TRSs are defined to be performed at the specified Frequency to ensure that the monitoring instrumentation is maintained OPERABLE.

The TRSs shall be performed in accordance with the Technical Specification definition for the test with the following additional requirements:

The CHANNEL FUNCTIONAL TEST for all noble gas activity monitors, Iodine Monitors, and Particulate Monitors shall also demonstrate that control room alarm annunciation occurs if any of the following conditions exists:

1. Instrument indicates measured levels above the alarm/trip setpoint,
2. Circuit failure, and
3. Instrument indicates a downscale failure.

The initial CHANNEL CALIBRATION for all noble gas activity monitors, Iodine Monitors, and Particulate Monitors shall be performed using one or more of the reference standards certified by the National Institute of Standards and Technology (NIST) or using standards that have been obtained from suppliers that participate in measurement assurance activities with NIST. These standards shall permit calibrating the system over its intended range of energy and measurement range. For subsequent CHANNEL CALIBRATION, sources that have been related to the initial calibration may be used in lieu of reference standards associated with the initial calibration.

Particulate or iodine sampling required to be in continuous service will be considered to remain and have been in continuous service when its service is interrupted for a period of time not to exceed 1 hour per sampling period. For particulate and iodine sampling, this is a small fraction of the normal minimum analysis frequency.

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- REFERENCES 1. Technical Specification 5.5.4 - Radioactive Effluent Controls program.
 2. Technical Specification 5.5.1 - Offsite Dose Calculation Manual.
 3. 10 CFR Part 20.
 4. 10 CFR Part 50.
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