
Industry/TSTF Standard Technical Specification Change Traveler

Relocate BIT SDM to COLR

Classification: 3) Editorial Change

Priority: 4) Edit/Bases

NUREGs Affected: ☐ 1430 ☒ 1431 ☐ 1432 ☐ 1433 ☐ 1434

1.0 Description

TSTF-9, approved by the NRC on 9/18/1996, relocated specific SHUTDOWN MARGIN values from the Technical Specifications to the COLR. One instance, the SDM to be achieved if the Boron Injection Tank (BIT) is inoperable and not restored, was overlooked in the preparation of TSTF-9. This change relocates this SDM value to the COLR.

2.0 Proposed Change

ISTS Required Action 3.5.6.B.2 is revised to state, "Borate to SDM provided in the COLR."

3.0 Background

TSTF-9 relocated the specific value for Shutdown Margin (SDM) located throughout the Technical Specifications to the COLR. SDM is a cycle-specific variable similar to Moderator Temperature Coefficient, Rod Insertion Limits, Axial Flux Difference, Heat Flux Hot Channel Factor, and Nuclear Enthalpy Rise Hot Channel Factor, which are currently contained in the COLR. In addition, there is an NRC-approved methodology for calculating SDM. TSTF-9 was requested because relocating SDM to the COLR will provide core design and operational flexibility that can be used for improved fuel management and to solve plant specific issues. TSTF-9 was approved by the NRC on 9/18/1996.

TSTF-9 overlooked the relocation of the specific SDM value in ITS 3.5.6, Boron Injection Tank. ITS 3.5.6, Required Action B.2 states, "Borate to an SDM equivalent to [1]% dk/k at 200 F." The bracketed SDM value is similar to the other bracketed SDM values which were relocated under TSTF-9.

Only two Westinghouse plants credit a Boron Injection Tank in their safety analyses. Both plants have concurred that this value is similar to other SDM values relocated under TSTF-9 and should have been relocated to the COLR in TSTF-9. This Traveler corrects that oversight.

This change is considered editorial as the justification and approval for TSTF-9 applies to this change.

Industry Contact:	Wideman, Steve	(316) 364-4037	stwidem@wcnoc.com
NRC Contact:	Tjader, Bob	(301) 415-1187	trt@nrc.gov

Revision History

OG Revision 0

Revision Status: Active

Next Action: TSTF

Revision Proposed by: North Anna

Revision Description:
Original Issue

11/24/2001

OG Revision 0**Revision Status: Active****Next Action: TSTF****Owners Group Review Information**

Date Originated by OG: 18-Jul-01

Owners Group Comments:
Editorial change.

Owners Group Resolution: Approved Date: 18-Jul-01

TSTF Review Information

TSTF Received Date: 01-Nov-01 Date Distributed for Review: 01-Nov-01

OG Review Completed: ☒ BWO ☒ WOG ☒ CEOG ☒ BWROGTSTF Comments:
(No Comments)

TSTF Resolution: Approved Date: 21-Nov-01

NRC Review Information

NRC Received Date: 30-Nov-01

NRC Comments:
(No Comments)

Final Resolution: NRC Action Pending

Final Resolution Date:

Incorporation Into the NUREGs

File to BBS/LAN Date:

TSTF Informed Date:

TSTF Approved Date:

NUREG Rev Incorporated:

Affected Technical Specifications

Action 3.5.6.B

BIT

11/24/2001

3.5 EMERGENCY CORE COOLING SYSTEMS (ECCS)

3.5.6 Boron Injection Tank (BIT)

LCO 3.5.6 The BIT shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. BIT inoperable.	A.1 Restore BIT to OPERABLE status.	1 hour
B. Required Action and associated Completion Time of Condition A not met.	B.1 Be in MODE 3.	6 hours
	<u>AND</u>	
	B.2 Borate to an SDM equivalent to [11% Akk at 200°F.] <u>provided in COLR.</u>	6 hours
	<u>AND</u>	
	B.3 Restore BIT to OPERABLE status.	7 days
C. Required Action and associated Completion Time of Condition B not met.	C.1 Be in MODE 4.	12 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.5.6.1 Verify BIT borated water temperature is $\geq [145]^{\circ}\text{F.}$	24 hours