(BWOG-30, Rev. 0)

TSTF-159, Rev. 1

Industry/TSTF Standard Technical Specification Change Traveler

LCO 3.1.6 Applicability Modification

Priority/Classification: 1) Correct Specifications

NUREGS Affected: 😴 1430 📄 1431 📄 1432 📋 1433 📋 1434

Description:

Modify Applicability of LCO 3.1.6 to specify Modes 1 and 2. Remove additional specified condition wording of "when the APSRs are not fully withdrawn."

Justification:

Modify Applicability of LCO 3.1.6 to specify MODES 1 and 2. The additional specified condition of "when the APSRs are not fully withdrawn" is inconsistent with the requirements of the LCO. After APSR withdrawal near the end of the operating cycle, the APSRs must still be aligned to within 6.5% of its group average height. Further, after APSR withdrawal, SR 3.1.6.1 is not required to be performed even though it verify that the individual APSRs are within their alignment limits. Changing the ITS LCO 3.1.6 Applicability to Modes 1 and 2 establishes an Applicability consistent with other control rod related LCOs.

Revision History

OG Revision 0	Revision Status: Closed
Revision Proposed by A	NO-I
Revision Description: Original Issue	
Owners Group Revie	w Information
Date Originated by OG:	01-Oct-96
Owners Group Comments Designated ANO-1-09	
Owners Group Resolution:	Approved Date: 17-Sep-96
TSTF Review Inform	ation
TSTF Received Date: 01	-Nov-96 Date Distributed for Review 05-Dec-96
OG Review Completed: 🔽	BWOG $\overline{\mathbf{z}}$ WOG $\overline{\mathbf{z}}$ CEOG $\overline{\mathbf{z}}$ BWROG
TSTF Comments:	
CEOG - Not applicable, ac	cepts
BWROG - Not applicable,	accepts
Additional comments received	ved from the BWOG on 1/13/97. On hold for resolution.
TSTF Resolution: Appro	oved Date: 07-Jan-97

					(BWOG-30, Rev. 0)	TSTF-159, Rev.
OG R	evision 0		Revisio	n Status: Closed		
	NRC Revi	iew Infor	mation			
	NRC Receiv	ed Date:	24-Jan-97	NRC Reviewer:	Tjader, R.	
	NRC Comm	ents:				
	NOTE: TST NRC was inf	F-155 throu formed in F	igh 160 were ina ebruary to ignor	dvertently submitted to e the travelers until BV	o the NRC without BWOG a VOG review and approval co	pproval. The ould be obtained.
	Final Resolu	tion: TS	STF Withdraws		Final Resolution Da	ate: 27-Mar-97
TSTF	Revision 1		Revisio	n Status: Active	Next Action:	NRC
	Revision Pro	posed by	BWOG			
	Revision Des After further was issued to	scription: review, BV facilitate t	WOG-30 (TSTF- racking.	159), was approved by	the BWOG without changes	s. Revision 1
	Owners G	roup Rev	view Informa	tion		
	Date Origina	ted by OG	: 06-Nov-97			
	Owners Grou (No Commer	ip Commen its)	its			
	Owners Grou	p Resolutio	on: Approved	Date: 06-Nov-97	, 	
	TSTF Rev	iew Infor	rmation			
	TSTF Receiv	ed Date:	06-Nov-97	Date Distributed	for Review 15-Jun-98	
	OG Review O	Completed:	$\overline{\mathbf{x}}$ bwog $\overline{\mathbf{x}}$	WOG 😿 CEOG 😠	BWROG	
	TSTF Comm 11/6/97 - Orig 2/6/98 - Sugg and determine 3/1/98 - B&W 6/15/98 - Red TSTF Resolut	ents: ginal TSTF gestion that e best cours V reconside listributed to tion: An	distribution the Condition sh e of action. red and determin o TSTF proved Date	ould be revised instead ned Traveler is correct :: 10-Jul-98	d of the Applicability. B&W as written. TSTF to reconsid	' to look at TSTF der.
Incorp	oration Int	o the NU	REGs			
File to Bl	BS/LAN Date	•	TSTF In	formed Date:	TSTF Approved D	Date:
NUREG	Rev Incorpora	ated:				
Affecte	d Technica	l Specific	cations			
	6	APSR Align	ment Limits			
Appl. 3.1.0						

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9/22/98

APSR Alignment Limits 3.1.6 TSTF-1S9, Rev. 1

3.1 REACTIVITY CONTROL SYSTEMS

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3.1.6 AXIAL POWER SHAPING ROD (APSR) Alignment Limits

LCO 3.1.6 Each APSR shall be OPERABLE and aligned within [6.5]% of its group average height.

APPLICABILITY:	MODES 1	and	20 Whe	n the	APSRs	Are	not	fully	withdrawn.)
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CONDITION			REQUIRED ACTION	COMPLETION TIME
Α.	One APSR inoperable, not aligned within its limits, or both.	A.1 Align the APSR group to within [6.5]% of the inoperable or misaligned rod, while maintaining the APSR insertion limits in the COLR.		2 hours
		<u>AND</u> A.2	Prevent movement of the APSR group, while the rod remains inoperable or misaligned.	2 hours
в.	Required Action and associated Completion Time not met.	B.1	Be in MODE 3.	6 hours

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	APSR Alignment Limits B 3.1.6	
BASES	TS7F159, Re	v (
LCO (continued)	value is established based on the distance between reed switches, with additional allowances for uncertainty in the absolute position indicator amplifiers, group maximum or minimum synthesizer, and asymmetric alarm or fault detector outputs. The position of an inoperable rod is not included in the calculation of the rod group's average position.	
	Failure to meet the requirements of this LCO may produce unacceptable power peaking factors, and LHRs, which may constitute initial conditions inconsistent with the safety analysis.	
APPLICABILITY	The requirements on APSR OPERABILITY and alignment are applicable in MODES 1 and 3 when the APSRs are not fully withdrawn because these are the only MODES in which neutron (or fission) power is generated, and the OPERABILITY and alignment of rods have the potential to affect the safety of the plant. OPERABILITY and alignment of the APSRs are not required when they are fully withdrawn because they do not influence core power peaking. In MODES 3, 4, 5, and 6, the alignment limits do not apply because the reactor is shut down and not producing fission power, and excessive local LHRs cannot occur from APSR misalignment.	
ACTIONS	The ACTIONS described below are required if one APSR is inoperable. The plant is not allowed to operate with more than one inoperable APSR. This would require the reactor to be shut down, in accordance with LCO 3.0.3.	
	A.1_and A.2	
	An alternate to realigning a single misaligned APSR to the group average position is to align the remainder of the APSR group to the position of the misaligned or inoperable APSR, while maintaining APSR insertion, in accordance with the limits in the COLR. This restores the alignment requirements. Deviations up to 2 hours will not cause significant xenon redistribution to occur. Required Action A.1 assumes the APSR group movement does not cause the limits of LCO 3.2.2, "AXIAL POWER SHAPING ROD (APSR) Insertion Limits," to be exceeded. For this reason,	
	(continued)	