

Industry/TSTF Standard Technical Specification Change Traveler

LCO 3.0.4 exception added to Condition for two CVCS Isolation channels inoperable

Priority/Classification 2) Consistency/Standardization

NUREGs Affected: 1430 1431 1432 1433 1434

Description:

An LCO 3.0.4 exception was added to Specification 3.3.9, Condition C for two inoperable CVCS Isolation instrumentation channels.

Justification:

The Note was added to allow the changing of Modes even though two channels of CVCS Isolation instrumentation are inoperable, with one channel bypassed and the other channel tripped. Mode changes in this configuration are allowed because the protection system is operable with one-out-of-two logic. This change makes the CVCS Isolation Actions consistent with the RPS and ESFAS Actions when two channels are inoperable.

Revision History

OG Revision 0

Revision Status: Active

Next Action:

Revision Proposed by: Calvert Cliffs

Revision Description:
Original Issue

Owners Group Review Information

Date Originated by OG: 14-Mar-96

Owners Group Comments
(No Comments)

Owners Group Resolution: Approved Date: 14-Mar-96

TSTF Review Information

TSTF Received Date: 12-Apr-96 Date Distributed for Review 12-Apr-96

OG Review Completed: BWOG WOG CEOG BWROG

TSTF Comments:

NA WOG, BWOG, BWRs

TSTF Resolution: Approved Date: 14-May-96

NRC Review Information

NRC Received Date: 17-Jul-96 NRC Reviewer: C. Schulten

NRC Comments:

9/18/96 - Review pending.

3/14/97 - Approved.

Final Resolution: NRC Approves

Final Resolution Date: 14-Mar-97

Incorporation Into the NUREGs

4/2/98

File to BBS/LAN Date:

TSTF Informed Date:

TSTF Approved Date:

NUREG Rev Incorporated:

Affected Technical Specifications

Action 3.3.9.C CVCS Isolation Signal (Analog)

Action 3.3.9.C Bases CVCS Isolation Signal (Analog)

4/2/98

TSTF-84

3.3 INSTRUMENTATION

3.3.9 Chemical and Volume Control System (CVCS) Isolation Signal (Analog)

LCO 3.3.9 Four channels of West Penetration Room/Letdown Heat Exchanger Room pressure sensing and two Actuation Logic channels shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One Actuation Logic channel inoperable.	A.1 Restore the channel to OPERABLE status.	48 hours
B. One CVCS isolation instrument channel inoperable.	B.1 Place the channel in bypass or trip.	1 hour
	<u>AND</u>	
	B.2.1 Restore the channel to OPERABLE status.	48 hours
C. Two CVCS isolation instrument channels inoperable.	<u>OR</u>	
	B.2.2 Place the channel in trip.	48 hours
	C.1 Place one channel in bypass and place the other channel in trip.	1 hour
	<u>AND</u>	
		(continued)

---NOTE---
LCO 3.0.4 is not applicable.

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BASES

ACTIONS

B.1, B.2.1, and B.2.2 (continued)

The 1 hour Completion Time to bypass or trip the channel is sufficient time to perform the Required Actions.

Once the Required Action to trip or bypass the channel has been complied with, Required Action B.2.1 and Required Action B.2.2 provide for restoring the channel to OPERABLE status or placing it in trip within 48 hours. Required Action B.2.1 restores the full capability of the Function. Required Action B.2.2 places the Function in a one-out-of-three configuration. In this configuration, common cause failure of dependent channels cannot prevent CVCS isolation actuation. The Completion Time provides the operator with time to take appropriate actions and still ensures that any risk involved in operating with a failed channel is acceptable. It is improbable that a failure of a second channel will occur during any given 48 hour period.

C.1 and C.2

Condition C applies if two of the four CVCS West Penetration Room/Letdown Heat Exchanger Room Pressure—High channels are inoperable. The Required Actions are identical to those for other ESFAS Functions employing four redundant sensors in LCO 3.3.4.

Restoring at least one channel to OPERABLE status is the preferred Required Action. If this cannot be accomplished, one channel should be placed in bypass and the other channel in trip. The allowed Completion Time of 1 hour is sufficient time to perform the Required Actions.

Once the Required Action to trip or bypass the channel has been complied with, Required Action C.2 provides for restoring one channel to OPERABLE status within 48 hours. The justification of the 48 hour Completion Time is the same as for Condition B.

After one channel is restored to OPERABLE status, the provisions of Condition C still apply to the remaining inoperable channel.

INSERT
B33.9 C.1 & C.2 →

(continued)

INSERT B 3.3.9 C.1 and C.2

The Required Action is modified by a Note stating that LCO 3.0.4 is not applicable. The Note was added to allow the changing of MODES even though two channels are inoperable, with one channel bypassed and one tripped. MODE changes in this configuration are allowed to permit maintenance and testing on one of the inoperable channels. In this configuration, the protection system is in a one-out-of-two logic, and the probability of a common cause failure affecting both of the OPERABLE channels during the 48 hours permitted is remote.