

Industry/TSTF Standard Technical Specification Change Traveler

3.4.5 and 3.4.6 - Omit LCO reference to "at least" per Writer's Guide

Priority/Classification 1) Correct Specifications

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

Description:

LCO 3.4.5 and LCO 3.4.6 are revised to omit "at least."

Justification:

The use of "at least" is unnecessary since it does not affect the requirement. These LCOs provide the minimum acceptable condition and do not prohibit additional operating components. This change provides consistency with similar requirements in LCO 3.4.7 and LCO 3.4.8 which also provide for two OPERABLE loops and one in operation (without specifying "at least" one). This change is also consistent with the NUMARC 93-03, Writers Guide for RSTS.

Revision History

OG Revision 0

Revision Status: Active

Next Action: NRC

Revision Proposed by: ANO-1

Revision Description:
Original Issue

Owners Group Review Information

Date Originated by OG: 06-Nov-97

Owners Group Comments
ANO-1-46

Owners Group Resolution: Approved Date: 06-Nov-97

TSTF Review Information

TSTF Received Date: 06-Nov-97 Date Distributed for Review 15-Dec-97

OG Review Completed: ☒ BWO ☒ WOG ☒ CEOG ☒ BWROG

TSTF Comments:

Applicable to BWO and CEOG for 3.4.6. Consistency and Standardization with Westinghouse and other NUREGs.

TSTF Resolution: Approved Date: 05-Feb-98

Incorporation Into the NUREGs

File to BBS/LAN Date:

TSTF Informed Date:

TSTF Approved Date:

NUREG Rev Incorporated:

Affected Technical Specifications

LCO 3.4.6	RCS Loops - MODE 4	NUREG(s)- 1430 1432 Only
LCO 3.4.5	RCS Loops - MODE 3	NUREG(s)- 1430 Only

4/22/98

TSTF-261

3.4 REACTOR COOLANT SYSTEM (RCS)

3.4.5 RCS Loops—MODE 3

LCO 3.4.5 Two RCS loops shall be OPERABLE and at least one RCS loop shall be in operation.

-----NOTE-----
All reactor coolant pumps (RCPs) may be de-energized for ≤ 8 hours per 24 hour period for the transition to or from the Decay Heat Removal System, and all RCPs may be de-energized for ≤ 1 hour per 8 hour period for any other reason, provided:

- a. No operations are permitted that would cause reduction of the RCS boron concentration; and
 - b. Core outlet temperature is maintained at least $[10]^{\circ}\text{F}$ below saturation temperature.
-

APPLICABILITY: MODE 3.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One required RCS loop inoperable.	A.1 Restore required RCS loop to OPERABLE status.	72 hours
B. Required Action and associated Completion Time of Condition A not met.	B.1 Be in MODE 4.	12 hours

(continued)

TSTF-261

3.4 REACTOR COOLANT SYSTEM (RCS)

3.4.6 RCS Loops—MODE 4

LCO 3.4.6 Two loops consisting of any combination of RCS loops and decay heat removal (DHR) loops shall be OPERABLE and at least one loop shall be in operation.

-----NOTE-----
All reactor coolant pumps (RCPs) may be de-energized for ≤ 8 hours per 24 hour period for the transition to or from the DHR System, and all RCPs and DHR pumps may be de-energized for ≤ 1 hour per 8 hour period for any other reason, provided:

- a. No operations are permitted that would cause reduction of the RCS boron concentration; and
- b. Core outlet temperature is maintained at least 10°F below saturation temperature.

APPLICABILITY: MODE 4.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<p>A. One required RCS loop inoperable.</p> <p><u>AND</u></p> <p>Two DHR loops inoperable.</p>	<p>A.1 Initiate action to restore a second loop to OPERABLE status.</p>	<p>Immediately</p>

(continued)

3.4 REACTOR COOLANT SYSTEM (RCS)

3.4.6 RCS Loops—MODE 4

LCO 3.4.6 Two loops or trains consisting of any combination of RCS loops and shutdown cooling (SDC) trains shall be OPERABLE and at least one loop or train shall be in operation.

NOTES

1. All reactor coolant pumps (RCPs) and SDC pumps may be de-energized for ≤ 1 hour per 8 hour period, provided:
 - a. No operations are permitted that would cause reduction of the RCS boron concentration; and
 - b. Core outlet temperature is maintained at least 10°F below saturation temperature.
2. No RCP shall be started with any RCS cold leg temperature $\leq [285]^{\circ}\text{F}$ unless:
 - a. Pressurizer water level is $< [60]\%$; or
 - b. Secondary side water temperature in each steam generator (SG) is $< [100]^{\circ}\text{F}$ above each of the RCS cold leg temperatures.

APPLICABILITY: MODE 4.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One required RCS loop inoperable. <u>AND</u> Two SDC trains inoperable.	A.1 Initiate action to restore a second loop or train to OPERABLE status.	Immediately

(continued)