Industry/TSTF Standard Technical Specification Change Traveler

Correct Applicability for LTOP specifications

Priority/Classification 1) Correct Specifications

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

Description:

The Applicability of NUREG-1431, Specification 3.4.12, LTOP System, is corrected to state, "MODE 4 when any RCS cold leg temperature is <= [275] F" instead of "MODE 4 when all RCS cold leg temperature is <= [275] F"

Justification:

The current Mode 4 Applicability for Specification 3.4.12 is incorrect. The Bases state that the Applicability is Mode 4 with any RCS cold leg temperature less than or equal to [275] F. The use of the coldest leg to determine the Applicability is also consistent with the BWOG and CEOG LTOP specifications. This also consistent with similar specifications, such as SR 3.4.2.1, Minimum Temperature for Criticality, which is applicable when any RCS loop is below a certain temperature; LCO 3.4.10, Pressurizer Safeties, Condition B which is applicable when any RCS loop is below the LTOP arming temperature, and the LTOP related LCO Notes to Specifications 3.4.6 and 3.4.7. This change corrects this error.

Revision History

OG Revision 0 **Revision Status: Active** **Next Action: NRC**

Revision Proposed by: Shearon Harris

Revision Description:
Original Issue

Owners Group Review Information

Date Originated by OG: 14-Jan-97

Owners Group Comments
(No Comments)

Owners Group Resolution: Approved Date: 14-Jan-97

TSTF Review Information

TSTF Received Date: 14-Jan-97 Date Distributed for Review 06-Jan-98

OG Review Completed: ☑ BWOG ☑ WOG ☑ CEOG ☑ BWROG

TSTF Comments:

2/5/98 - WOG only. Add to justification that the change makes the LTOP Applicability consistent with the RCS Loops Specifications.

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

Appl. 3.4.12 LTOP System

TSTF-243

3.4 REACTOR COOLANT SYSTEM (RCS)

3.4.12 Low Temperature Overpressure Protection (LTOP) System

LCO 3.4.12 An LTOP System shall be OPERABLE with a maximum of [one] [high pressure injection (HPI)] pump [and one charging pump] capable of injecting into the RCS and the accumulators isolated and either a or b below.

a. Two RCS relief valves, as follows:

1. Two power operated relief valves (PORVs) with lift settings within the limits specified in the PTLR, or

[2. Two residual heat removal (RHR) suction relief valves with setpoints ≥ [436.5] psig and ≤ [463.5] psig, or]

[3. One PORV with a lift setting within the limits specified in the PTLR and one RHR suction relief valve with a setpoint ≥ [436.5] psig and ≤ [463.5] psig].

b. The RCS depressurized and an RCS vent of ≥ [2.07] square inches.

APPLICABILITY: MODE 4 when any RCS cold leg temperature is ≤ [275]°F,
MODE 5,
MODE 6 when the reactor vessel head is on.

---NOTE---
Accumulator isolation is only required when accumulator pressure is greater than or equal to the maximum RCS pressure for the existing RCS cold leg temperature allowed by the P/T limit curves provided in the PTLR.
