

Industry/TSTF Standard Technical Specification Change Traveler

Change to Frequency of SR 3.1.8.1

Priority/Classification 3) Improve Specifications

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

Description:

Change frequency of SR 3.1.8.1 from "[18 months]" to "Once prior to criticality after each removal of the reactor vessel head"

Justification:

SR 3.1.8.1 verifies that each DRPI agrees within 12 steps of the group demand position for the full indicated range of rod travel. This surveillance is performed during a plant outage or plant startup since there is potential for unnecessary plant transients if the SR is performed with the reactor at power. By not specifying a fixed frequency for this SR, any unit shutdown and reactor vessel head removal would require that the SR be performed again to verify that the operability of the rod position indicator systems has not been affected.

Revision History

OG Revision 0

Revision Status: Active

Next Action:

Revision Proposed by: Braidwood

Revision Description:

Original Issue

Owners Group Review Information

Date Originated by OG: 02-Apr-96

Owners Group Comments

Transmitted and approved by J. Andrachek

Owners Group Resolution: Approved Date: 02-Apr-96

TSTF Review Information

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

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

TSTF Comments:

NA CEOG, BWO, BWROG

TSTF Resolution: Approved Date: 28-May-96

NRC Review Information

NRC Received Date: 17-Jul-96

NRC Reviewer: R. Tjader

NRC Comments:

9/18/96 - Approved

Final Resolution: NRC Approves

Final Resolution Date: 18-Sep-96

Incorporation Into the NUREGs

4/2/98

File to BBS/LAN Date:

TSTF Informed Date:

TSTF Approved Date:

NUREG Rev Incorporated:

Affected Technical Specifications

SR 3.1.8.1 Rod Position Indication

SR 3.1.8.1 Bases Rod Position Indication

4/2/98

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.1.8.1 Verify each [D]RPI agrees within [12] steps of the group demand position for the [full indicated range] of rod travel.	<u>[18 months]</u>

Once prior to
Criticality after
each removal
of the reactor
head.

TSTF-89

BASES

ACTIONS
(continued)

C.2

Reduction of THERMAL POWER to $\leq 50\%$ RTP puts the core into a condition where rod position is not significantly affecting core peaking factor limits (Ref. 3). The allowed Completion Time of 8 hours provides an acceptable period of time to verify the rod positions per Required Actions C.1.1 and C.1.2 or reduce power to $\leq 50\%$ RTP.

D.1

If the Required Actions cannot be completed within the associated Completion Time, the plant must be brought to a MODE in which the requirement does not apply. To achieve this status, the plant must be brought to at least MODE 3 within 6 hours. The allowed Completion Time is reasonable, based on operating experience, for reaching the required MODE from full power conditions in an orderly manner and without challenging plant systems.

SURVEILLANCE
REQUIREMENTS

SR 3.1.8.1

Verification that the DRPI agrees with the demand position within [12] steps ensures that the DRPI is operating correctly. Since the DRPI does not display the actual shutdown rod positions between 18 and 210 steps, only points within the indicated ranges are required in comparison.

Insert →

The [18 month] Frequency is based on the need to perform this Surveillance under the conditions that apply during a plant outage and the potential for unnecessary plant transients if the SR were performed with the reactor at power. Operating experience has shown these components usually pass the SR when performed at a Frequency of once every [18 months.] Therefore, the Frequency was concluded to be acceptable from a reliability standpoint.

REFERENCES

1. 10 CFR 50, Appendix A, GDC 13.
 2. FSAR, Chapter [15].
 3. FSAR, Chapter [15].
-

Insert

This surveillance is perform prior to reactor criticality after each removal of the reactor head as there is the potential for unnecessary plant transients if the SR were performed with the reactor at power.