Industry/TSTF Standard Technical Specification Change Traveler

Add Note to Exclude Neutron Detectors from Channel Calibration

Priority/Classification 1) Correct Specifications

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

Description:

Add a Note to SR 3.3.11.2 to exclude Neutron Detectors from the Channel Calibration.

Justification:

The Neutron Detectors are used for various instrumentation specifications. Specifications 3.3.1, 3.3.2, 3.3.12, and 3.3.13 already include a Note excluding the Neutron Detectors from channel calibrations. The equivalent PAM surveillance in the CE analog specifications also includes this Note. Justification is provided in the Bases for these specifications which state that Neutron Detectors have minimal drift and changes in detector sensitivity can be compensated for with calorimetric calibration.

Revision History

OG Revision 0 Revision Status: Closed

Revision Proposed by: Palo Verde

Revision Description:
Original Issue

Owners Group Review Information

Date Originated by OG: 29-May-96

Owners Group Comments
(No Comments)

Owners Group Resolution: Approved Date: 04-Jun-96

TSTF Review Information

TSTF Received Date: 01-Jul-96 Date Distributed for Review 31-Jul-96

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

TSTF Comments:

BWOG - Not applicable, BWOG accepts
WOG - Not applicable, WOG accepts
BWROG - Not applicable, BWROG accepts

TSTF Resolution: Approved Date: 10-Oct-96

NRC Review Information

NRC Received Date: 22-Jan-97 NRC Reviewer: Schulten, C.

NRC Comments:

3/10/97 - Reviewer recommends editorial changes to the proposed Bases text to make it conform to the Bases text for the same Note in the CE analog specifications.
3/17/97 - To C. Grimes for disposition.
4/16/97 - NRC requests revision to SR 3.3.11.2 Bases to state, "A Note allows exclusion of the neutron ...." instead of "A Note excludes the neutron ....".

Final Resolution: Superceded by Revision Final Resolution Date: 24-Jun-97

TSTF Revision 1 Revision Status: Active Next Action:

Revision Proposed by: NRC

Revision Description:
Implements NRC requested revision to SR 3.3.11.2 Bases to state, "A Note allows exclusion of the neutron ...." instead of "A Note excludes the neutron ....".

TSTF Review Information

TSTF Received Date: 16-Apr-97 Date Distributed for Review 17-Apr-97

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

TSTF Comments:
(No Comments)

TSTF Resolution: Approved Date: 13-May-97

NRC Review Information

NRC Received Date: 24-Jun-97 NRC Reviewer: Schulten, C.

NRC Comments:
(No Comments)

Final Resolution: NRC Approves Final Resolution Date: 06-Oct-97

Incorporation Into the NUREGs

File to BBS/LAN Date: TSTF Informed Date: TSTF Approved Date:

NUREG Rev Incorporated:

Affected Technical Specifications

SR 3.3.11.2	PAM Instrumentation (Digital)
SR 3.3.11.2 Bases	PAM Instrumentation (Digital)

TSTF-130, Rev. 1

SURVEILLANCE REQUIREMENTS

NOTE
These SRs apply to each PAM instrumentation Function in Table 3.3.11-1.

SURVEILLANCE		FREQUENCY
SR 3.3.11.1	Perform CHANNEL CHECK for each required instrumentation channel that is normally energized.	31 days
SR 3.3.11.2	Perform CHANNEL CALIBRATION.	[18] months

NOTE
Neutron detectors are excluded from the CHANNEL CALIBRATION

TSTF-130, Rev 1

BASES

SURVEILLANCE REQUIREMENTS

SR 3.3.11.1 (continued)

which demonstrates that failure of more than one channel of a given Function in any 31 day interval is a rare event. The CHANNEL CHECK supplements less formal, but more frequent, checks of channel during normal operational use of the displays associated with this LCO's required channels.

SR 3.3.11.2

A CHANNEL CALIBRATION is performed every [18] months or approximately every refueling. CHANNEL CALIBRATION is a complete check of the instrument channel including the sensor. The Surveillance verifies the channel responds to the measured parameter within the necessary range and accuracy.

[At this unit, CHANNEL CALIBRATION shall find measurement errors are within the following acceptance criteria:]

For the Containment Area Radiation instrumentation, a CHANNEL CALIBRATION may consist of an electronic calibration of the channel, not including the detector, for range decades above 10 R/hr, and a one point calibration check of the detector below 10 R/hr with a gamma source.

The Frequency is based upon operating experience and consistency with the typical industry refueling cycle and is justified by the assumption of an [18] month calibration interval for the determination of the magnitude of equipment drift.

REFERENCES

1. [Plant specific document (e.g., FSAR, NRC Regulatory Guide 1.97, SER letter).]

2. Regulatory Guide 1.97.

3. NUREG-0737, Supplement 1.

4. NRC Safety Evaluation Report (SER).

A Note allows exclusion of the neutron detectors from the CHANNEL CALIBRATION.