

**Industry/TSTF Standard Technical Specification Change Traveler**

Revise Note to SR 3.2.1.2, Fq measurement

Priority/Classification 1) Correct Specifications

NUREGs Affected:  1430  1431  1432  1433  1434

**Description:**

The Note associated with SR 3.2.1.2 has been modified to remove the words "is within limits and".

**Justification:**

This phrase introduces confusion. Whether or not FqZ is within limits, if the last two performances indicate an increase either the SR must be performed every 7 days or a penalty factor must be applied. Removal of these words clarifies this point.

**Revision History**

**OG Revision 0**

**Revision Status: Active**

**Next Action:**

Revision Proposed by:

Revision Description:  
Original Issue

**Owners Group Review Information**

Date Originated by OG: 27-Nov-95

Owners Group Comments  
(No Comments)

Owners Group Resolution: Approved Date: 27-Nov-95

**TSTF Review Information**

TSTF Received Date: 27-Nov-95 Date Distributed for Review 27-Nov-95

OG Review Completed:  BWOG  WOG  CEOG  BWROG

TSTF Comments:  
NA CEOG, BWOG, BWRs

TSTF Resolution: Approved Date: 30-Apr-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**

File to BBS/LAN Date:

TSTF Informed Date:

TSTF Approved Date:

NUREG Rev Incorporated:

4/2/98

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**Affected Technical Specifications**

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SR 3.2.1.2                      Fq(Z) (Fq Methodology)

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SR 3.2.1.2 Bases              Fq(Z) (Fq Methodology)

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SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.2.1.2</p> <p>-----NOTE-----            If F<sub>0</sub><sup>W</sup>(Z) <del>is within limits and</del> measurements indicate</p> <p style="text-align: center;">maximum over z <math>\left[ \frac{F_0^C(Z)}{K(Z)} \right]</math></p> <p>has increased since the previous evaluation of F<sub>0</sub><sup>C</sup>(Z):</p> <p>a. Increase F<sub>0</sub><sup>W</sup>(Z) by a factor of [1.02] and reverify F<sub>0</sub><sup>W</sup>(Z) is within limits; or</p> <p>b. Repeat SR 3.2.1.2 once per 7 EFPD until two successive flux maps indicate</p> <p style="text-align: center;">maximum over z <math>\left[ \frac{F_0^C(Z)}{K(Z)} \right]</math></p> <p>has not increased.</p> <p>-----</p> <p>Verify F<sub>0</sub><sup>W</sup>(Z) is within limit.</p>	<p>Once after each refueling prior to THERMAL POWER exceeding 75% RTP</p> <p><u>AND</u></p> <p>(continued)</p>

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BASES

SURVEILLANCE  
 REQUIREMENTS

SR 3.2.1.2 (continued)

maximum F<sub>a</sub>(Z) calculated to occur in normal operation, F<sub>a</sub><sup>U</sup>(Z).

The limit with which F<sub>a</sub><sup>U</sup>(Z) is compared varies inversely with power and directly with the function K(Z) provided in the COLR.

The W(Z) curve is provided in the COLR for discrete core elevations. Flux map data are typically taken for 30 to 75 core elevations. F<sub>a</sub><sup>U</sup>(Z) evaluations are not applicable for the following axial core regions, measured in percent of core height:

- a. Lower core region, from 0 to 15% inclusive; and
- b. Upper core region, from 85 to 100% inclusive.

The top and bottom 15% of the core are excluded from the evaluation because of the low probability that these regions would be more limiting in the safety analyses and because of the difficulty of making a precise measurement in these regions.

This Surveillance has been modified by a Note that may require that more frequent surveillances be performed. If F<sub>a</sub><sup>U</sup>(Z) is evaluated ~~and found to be within its limit~~, an evaluation of the expression below is required to account for any increase to F<sub>a</sub><sup>U</sup>(Z) that may occur and cause the F<sub>a</sub>(Z) limit to be exceeded before the next required F<sub>a</sub>(Z) evaluation.

If the two most recent F<sub>a</sub>(Z) evaluations show an increase in the expression

$$\text{maximum over } z \quad \left[ \frac{F_a^U(Z)}{K(Z)} \right],$$

it is required to meet the F<sub>a</sub>(Z) limit with the last F<sub>a</sub><sup>U</sup>(Z) increased by a factor of [1.02], or to evaluate F<sub>a</sub>(Z) more frequently, each 7 EFPD. These alternative requirements prevent F<sub>a</sub>(Z) from exceeding its limit for any significant period of time without detection.

(continued)