Docket No. 50-336

Attachment

Millstone Nuclear Power Station, Unit No. 2

Proposed Revisions to Technical Specifications

Power Distribution Limits

January, 1984

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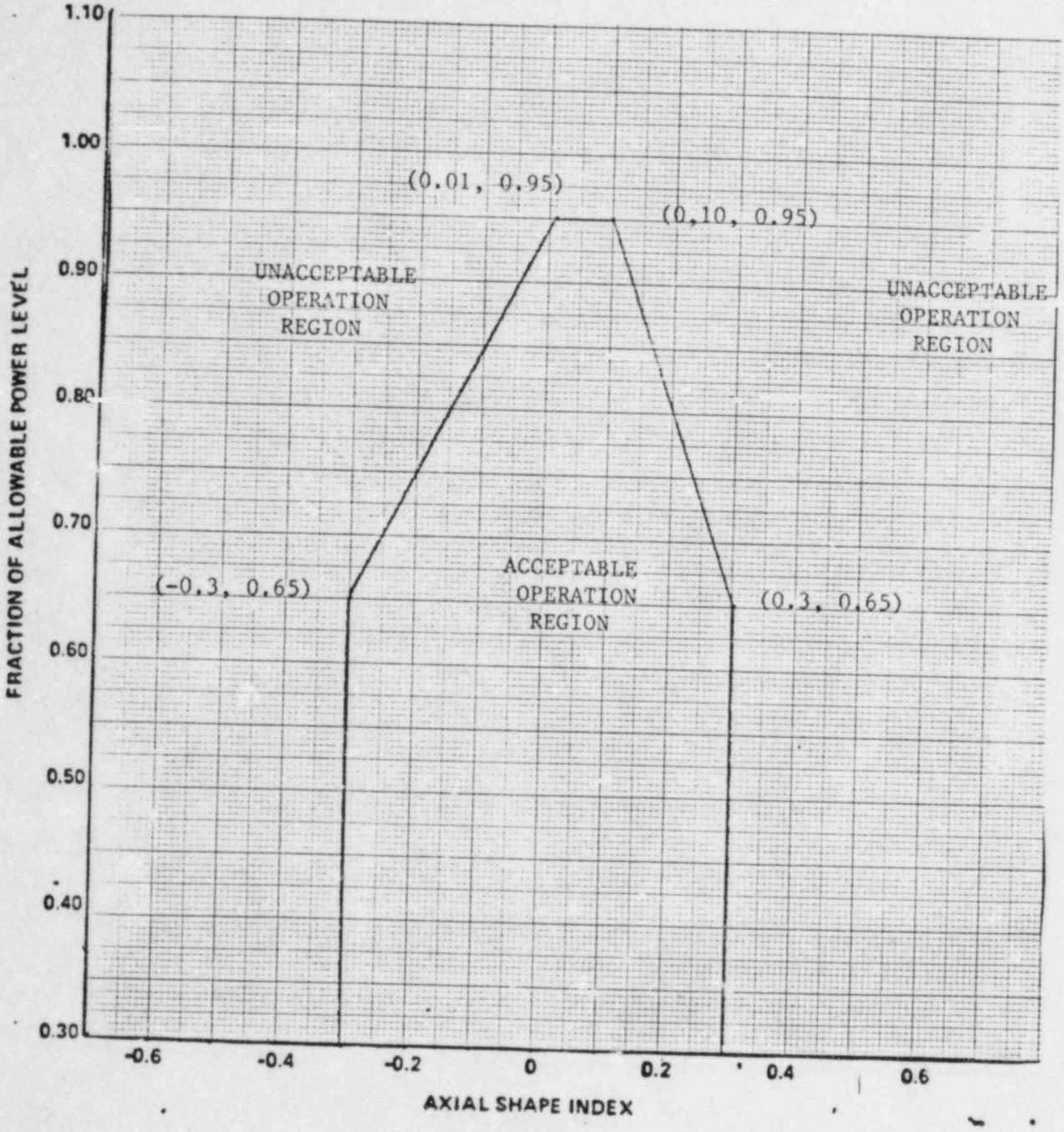


FIGURE 3.2-2 AXIAL SHAPE INDEX vs Fraction of Allowable Power Level per Specification 4.2.1.2c

POWER DISTRIBUTION LIMITS

TOTAL PLANAR RADIAL PEAKING FACTOR - F^T_{xy}

LIMITING CONDITION FOR OPERATION

3.2.2 The calculated value of F^T_{xy}, defined as $F^T_{xy} = F_{xy}(1+T_q)$, shall be limited to $\leq$ 1.719.

APPLICABILITY: MODE 1*.

ACTION:

With $F^T_{xy} >$ 1.719, within 6 hours either:

a. Reduce THERMAL POWER to bring the combination of THERMAL POWER and F^T_{xy} to within the limits of Figure 3.2-3 and withdraw the full length CEAs to or beyond the Long Term Steady State Insertion Limit of Specification 3.1.3.6; or

b. Be in at least HOT STANDBY.

SURVEILLANCE REQUIREMENTS

4.2.2.1 The provisions of Specification 4.0.4 are not applicable.

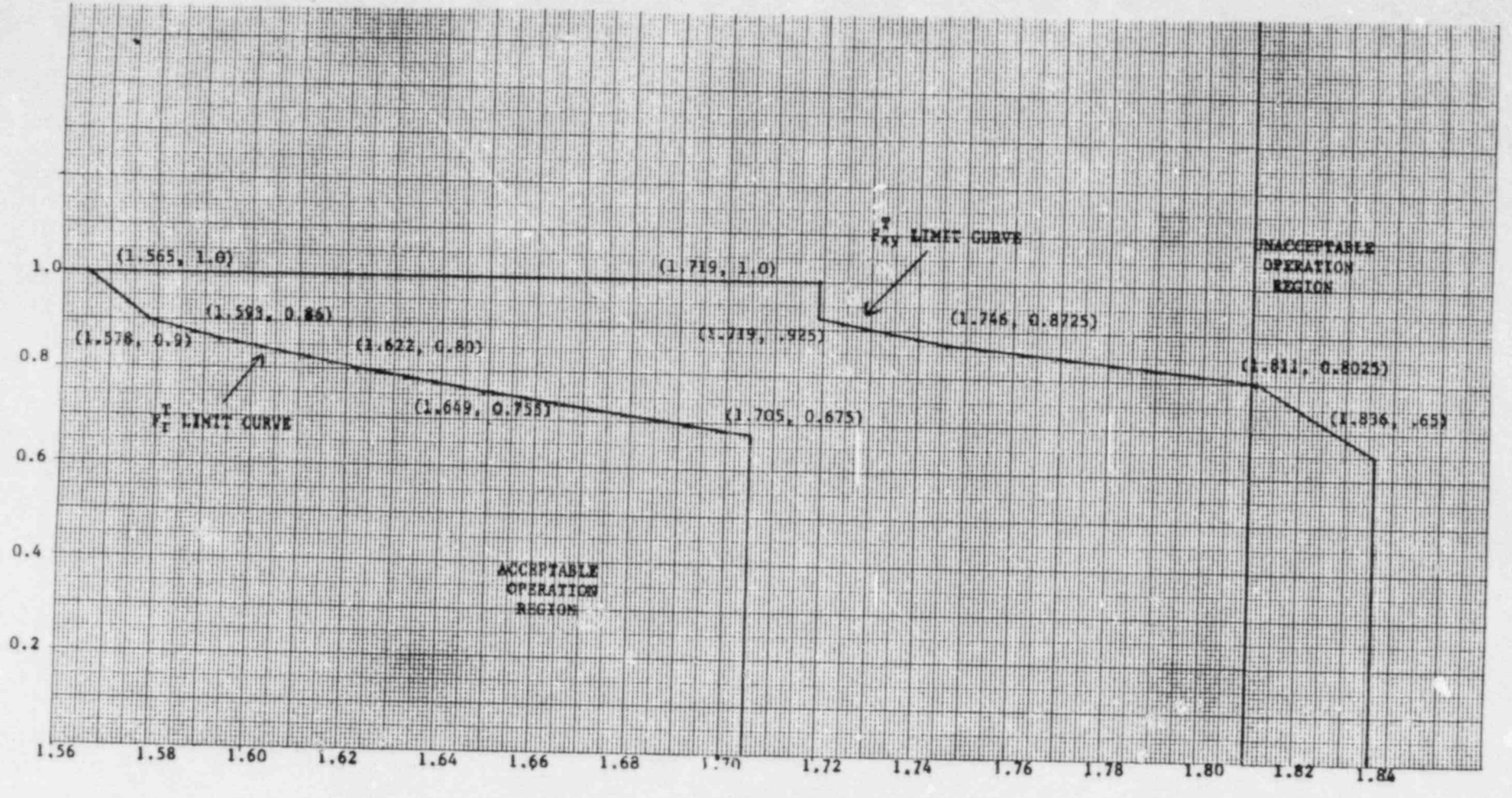
4.2.2.2 F^T_{xy} shall be calculated by the expression $F^T_{xy} = F_{xy}(1+Tq)$ and F^T_{xy} shall be determined to be within its limit at the following intervals:

a. Prior to operation above 70 percent of RATED THERMAL POWER after each fuel loading,

b. At least once per 31 days of accumulated operation in MODE 1, and

c. Within four hours if the AZIMUTHAL POWER TILT (T_q) is > 0.02.

*See Special Test Exception 3.10.2



$$F_r^T : F_{xy}^T \{F_r \times (1 + T_q) : F_{xy} \times (1 + T_q)\}$$

FIGURE 3.2-3 Total Radial Peaking Factor Versus Allowable Fraction of RATED THERMAL POWER