

Docket No. 50-336

Attachment

Millstone Nuclear Power Station, Unit No. 2
Proposed Revisions to Technical Specifications

Power Distribution Limits

January, 1984

8402160108 84012C
PDR ADOCK 05000336
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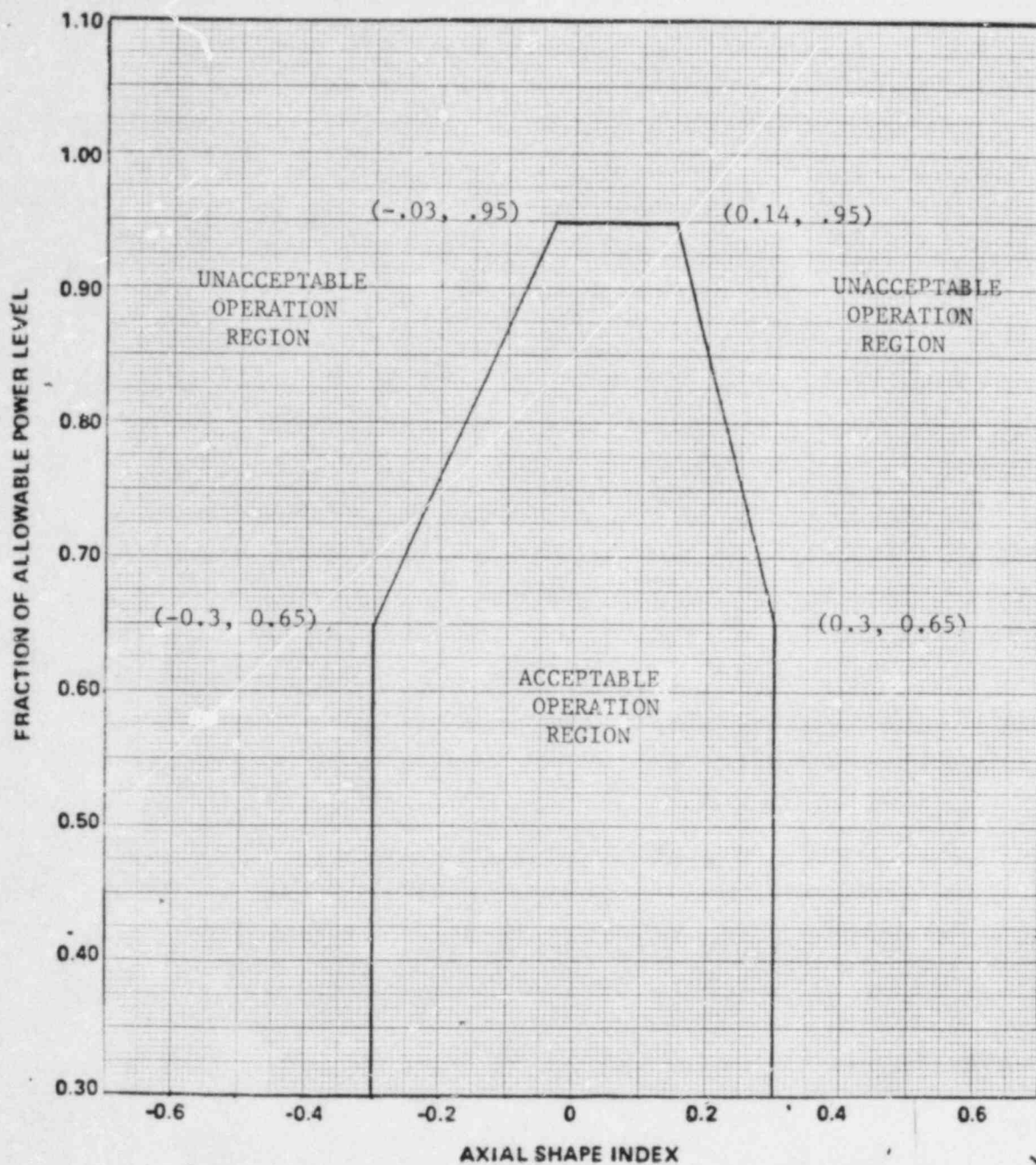


FIGURE 3.2-2 AXIAL SHAPE INDEX vs Fraction of Allowable Power Level per Specification 4.2.1.2c

MILLSTONE - UNIT 2

3/4 2-4

POWER DISTRIBUTION LIMITS

TOTAL PLANAR RADIAL PEAKING FACTOR - F_{xy}^T

LIMITING CONDITION FOR OPERATION

3.2.2 The calculated value of F_{xy}^T , defined as $F_{xy}^T = F_{xy} (1+T_q)$, shall be limited to ≤ 1.685 .

APPLICABILITY: MODE 1*.

ACTION:

With $F_{xy}^T \geq 1.685$, within 6 hours either:

- a. Reduce THERMAL POWER to bring the combination of THERMAL POWER and F_{xy}^T 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.

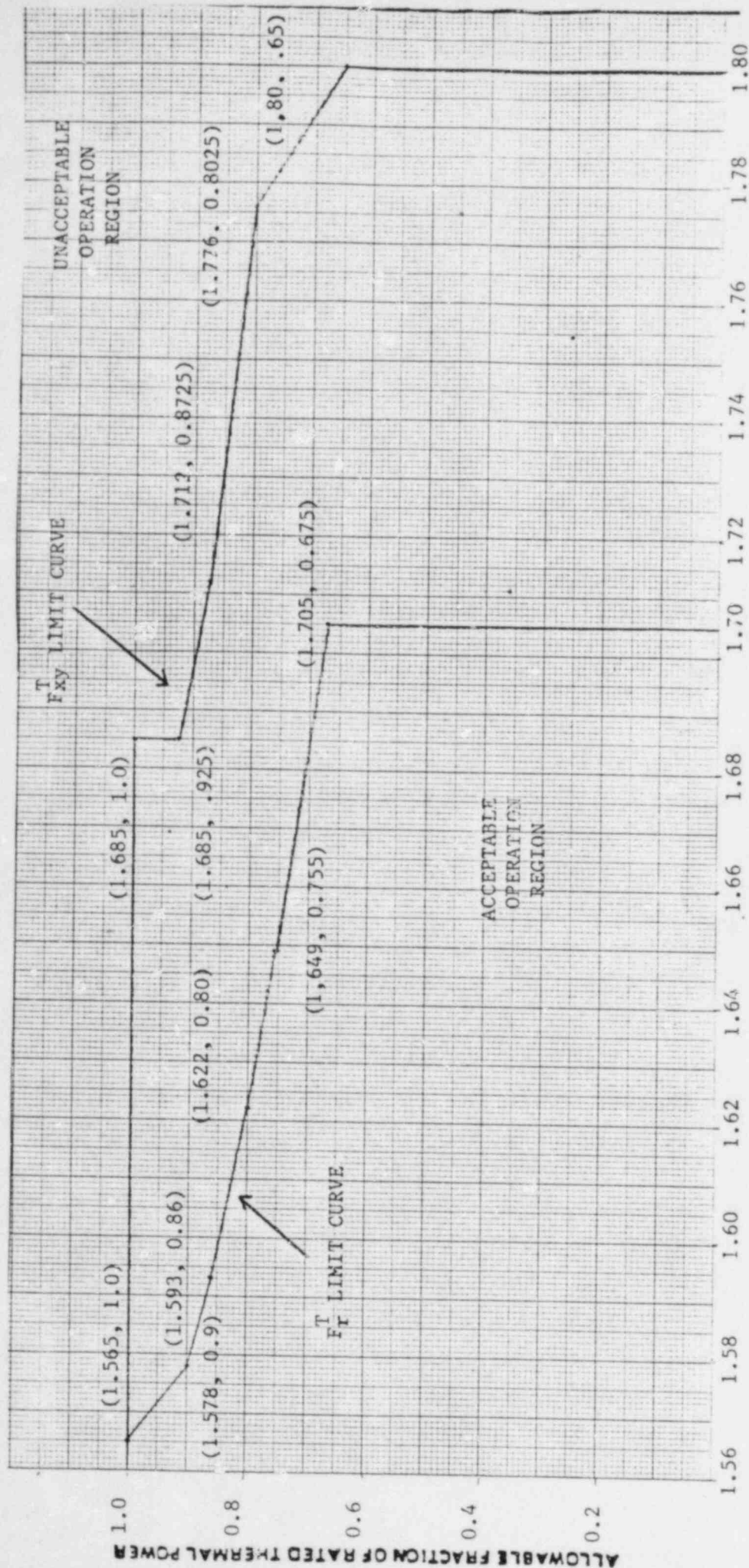
SURVEILLANCE REQUIREMENTS

4.2.2.1 The provisions of Specification 4.0.4 are not applicable.

4.2.2.2 F_{xy}^T shall be calculated by the expression $F_{xy}^T = F_{xy} (1+T_q)$ and F_{xy}^T 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



$$F_T^T : F_{xy}^T (F_T, n(1+T_2)) : F_{xy} n(1+T_2)$$

FIGURE 3.2-3 Total Radial Peaking Factor Versus Allowable Fraction of Rated Thermal Power