

POWER DISTRIBUTION LIMITS

SURVEILLANCE REQUIREMENTS (Continued)

f. With measurements indicating

$$\begin{array}{l} \text{maximum} \\ \text{over} \end{array} \left( \frac{F_Q^C(Z)}{K(Z)} \right)$$

has increased since the previous determination of  $F_Q^C(Z)$  either of the following actions shall be taken:

*the appropriate factor specified in the CORE OPERATING LIMITS REPORT (COLR)*

- 1) Increase  $F_Q^C(Z)$  by ~~2%~~ and verify that this value satisfies the relationship in Specification ~~4.2.2.d~~, or 4.2.2.2d
- 2)  $F_Q^C(Z)$  shall be measured at least once per 7 Effective Full Power Days until two successive maps indicate that maximum  $\left( \frac{F_Q^C(Z)}{K(Z)} \right)$  is not increasing over

g. With the relationships specified in Specification 4.2.2.2d above not being satisfied:

- 1) Calculate the percent  $F_Q(Z)$  exceeds its limits by the following expression:

$$\left\{ \begin{array}{l} \text{maximum} \\ \text{over } Z \end{array} \left[ \frac{F_Q^C(Z) \times W(Z)}{F_Q^{RTP}} \times K(Z) \right] - 1 \right\} \times 100 \text{ for } P > 0.5$$

$$\left\{ \begin{array}{l} \text{maximum} \\ \text{over } Z \end{array} \left[ \frac{F_Q^C(Z) \times W(Z)}{0.5} \times K(Z) \right] - 1 \right\} \times 100 \text{ for } P \leq 0.5, \text{ and}$$

- 2) The following action shall be taken.

Within 15 minutes, control the AFD to within new AFD limits which are determined by reducing the AFD limits specified in the CORE OPERATING LIMITS REPORT by 1% AFD for each percent  $F_Q(Z)$  exceeds its limits as determined in Specification 4.2.2.2g.1. Within 8 hours, reset the AFD alarm setpoints to these modified limits.

ADMINISTRATIVE CONTROLS

CORE OPERATING LIMITS REPORT (Continued)

- Revision 1A
- a. WCAP-9272-P-A, "WESTINGHOUSE RELOAD SAFETY EVALUATION METHODOLOGY", July 1985 (W Proprietary).  
(Methodology for Specifications 3.1.1.3 - Moderator Temperature Coefficient, 3.1.3.5 - Shutdown Bank Insertion Limit, 3.1.3.6 - Control Bank Insertion Limits and 3.2.3 - Nuclear Enthalpy Rise Hot Channel Factor.)
- b. WCAP-10216-P-A, "RELAXATION OF CONSTANT AXIAL OFFSET CONTROL FQ SURVEILLANCE TECHNICAL SPECIFICATION", ~~June 1983~~ (W Proprietary).  
(Methodology for Specifications 3.2.1 - Axial Flux Difference (Relaxed Axial Offset Control) and 3.2.2 - Heat Flux Hot Channel Factor (W(Z) surveillance requirements for F<sub>Q</sub> Methodology).) February, 1994
- c. WCAP-9220-P-A, Rev. 1, "WESTINGHOUSE ECCS EVALUATION MODEL-1981 VERSION", February 1982 (W Proprietary).  
(Methodology for Specification 3.2.2 - Heat Flux Hot Channel Factor.)

The core operating limits shall be determined so that all applicable limits (e.g., fuel thermal-mechanical limits, core thermal-hydraulic limits, ECCS limits, nuclear limits such as shutdown margin, and transient and accident analysis limits) of the safety analysis are met.

The CORE OPERATING LIMITS REPORT, including any mid-cycle revisions or supplements thereto, shall be provided upon issuance, for each reload cycle, to the NRC Document Control Desk with copies to the Regional Administrator and Resident Inspector.

SPECIAL REPORTS

6.8.2 Special reports shall be submitted to the Regional Administrator of the Regional Office of the NRC within the time period specified for each report.