

July 30, 1996

Mr. T. C. McMeekin
Vice President, McGuire Site
Duke Power Company
12700 Hagers Ferry Road
Huntersville, NC 28078-8985

SUBJECT: MCGUIRE AMENDMENTS 167 AND 149

Dear Mr. McMeekin:

On July 2, 1996, the NRC issued Amendments 167 and 149 to the McGuire Nuclear Station, Units 1 and 2, Technical Specifications (TS), respectively.

The enclosed TS pages are being revised due to an error in the page numbering. The technical content remains the same.

Sincerely,

Original signed by:

Victor Nerses, Senior Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-369
and 50-370

Enclosure:
TS pages

cc w/encl:
See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Sincerely,

A handwritten signature in cursive script that reads "Victor Nerses".

Victor Nerses, Senior Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-369
and 50-370

Enclosure:
TS pages

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Duke Power Company

McGuire Nuclear Station

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POWER DISTRIBUTION LIMITS

SURVEILLANCE REQUIREMENTS (Continued)

c. Performing the following calculations:

1. For each core location, calculate the % margin to the maximum allowable design as follows:

$$\% \text{ Operational Margin} = \left(1 - \frac{F_Q^M(X,Y,Z)}{[F_Q^L(X,Y,Z)]^{OP}} \right) \times 100\%$$

$$\% \text{ RPS Margin} = \left(1 - \frac{F_Q^M(X,Y,Z)}{[F_Q^L(X,Y,Z)]^{RPS}} \right) \times 100\%$$

where $[F_Q^L(X,Y,Z)]^{OP}$ and $[F_Q^L(X,Y,Z)]^{RPS}$ are the Operational and RPS design peaking limits defined in the COLR.

2. Find the minimum Operational Margin of all locations examined in 4.2.2.2.c.1 above. If any margin is less than zero, then either of the following actions shall be taken:

(a) Within 15 minutes:

(1) Control the AFD to within new AFD limits that are determined by:

$$(\text{AFD Limit})_{\text{negative}}^{\text{reduced}} = (\text{AFD Limit})_{\text{negative}}^{\text{COLR}} \quad (3)$$

+ $[\text{MARGIN}^{\text{MIN}}_{\text{OP}}]$ absolute value

$$(\text{AFD Limit})_{\text{positive}}^{\text{reduced}} = (\text{AFD Limit})_{\text{positive}}^{\text{COLR}} \quad (3)$$

- $[\text{MARGIN}^{\text{MIN}}_{\text{OP}}]$ absolute value

where $\text{MARGIN}^{\text{MIN}}_{\text{OP}}$ is the minimum margin from 4.2.2.2.c.1, and

(b) Comply with the ACTION requirements of Specification 3.2.2, treating the margin violation in 4.2.2.2.c.1 above as the amount by which F_Q^{MA} is exceeding its limit.

(3) Defined and specified in the COLR per Specification 6.9.1.9.

POWER DISTRIBUTION LIMITS

SURVEILLANCE REQUIREMENTS (Continued)

- c. Performing the following calculations:
1. For each core location, calculate the % margin to the maximum allowable design as follows:

$$\% \text{ Operational Margin} = \left(1 - \frac{F_Q^M(X,Y,Z)}{[F_Q^L(X,Y,Z)]^{OP}} \right) \times 100\%$$

$$\% \text{ RPS Margin} = \left(1 - \frac{F_Q^M(X,Y,Z)}{[F_Q^L(X,Y,Z)]^{RPS}} \right) \times 100\%$$

where $[F_Q^L(X,Y,Z)]^{OP}$ and $[F_Q^L(X,Y,Z)]^{RPS}$ are the Operational and RPS design peaking limits defined in the COLR.

2. Find the minimum Operational Margin of all locations examined in 4.2.2.2.c.1 above. If any margin is less than zero, then either of the following actions shall be taken:

(a) Within 15 minutes:

- (1) Control the AFD to within new AFD limits that are determined by:

$$(\text{AFD Limit})_{\text{negative}}^{\text{reduced}} = (\text{AFD Limit})_{\text{negative}}^{\text{COLR (3)}}$$

$$+ [\text{MARGIN}^{\text{MIN}}_{\text{OP}}] \text{ absolute value}$$

$$(\text{AFD Limit})_{\text{positive}}^{\text{reduced}} = (\text{AFD Limit})_{\text{positive}}^{\text{COLR (3)}}$$

$$- [\text{MARGIN}^{\text{MIN}}_{\text{OP}}] \text{ absolute value}$$

where $\text{MARGIN}^{\text{MIN}}_{\text{OP}}$ is the minimum margin from 4.2.2.2.c.1, and

- (b) Comply with the ACTION requirements of Specification 3.2.2, treating the margin violation in 4.2.2.2.c.1 above as the amount by which F_Q^{MA} is exceeding its limit.

(3) Defined and specified in the COLR per Specification 6.9.1.9.