April 19, 1989

Docket No. 50-328

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Mr. Oliver D. Kingsley, Jr.
Senior Vice President, Nuclear Power
Tennessee Valley Authority
6N 38A Lookout Place
1101 Market Street
Chattanooga, Tennessee 37402-2801

Dear Mr. Kingsley:

SUBJECT: CORRECTIONS TO AMENDMENT NO. 95 (TS 88-33) (TAC R00505) - SEQUOYAH NUCLEAR PLANT, UNIT 2

Amendment No. 95 to Facility Operating License DPR-79 for Sequoyah, Unit 2 was issued on March 10, 1989. In that amendment, we issued pages 3/4 2-5 and 3/4 2-6 with errors which did not involve the changes discussed in Amendment No. 95 for Unit 2. The corrected pages are enclosed.

We apologize for any inconvenience caused by these errors. If you have any questions, please contact Jack Donohew, Sequoyah Project Manager at 301-492-0704.

Sincerely,

Original signed by

Suzanne Black, Assistant Director
for Projects
TVA Projects Division
Office of Nuclear Reactor Regulation

Enclosures:
1. TS pg. 3/4 2-5
2. TS pg. 3/3 2-6

cc w/enclosures:
See next page

OFC1
1/1

OFC	:NRR:TVA/LA	:NRR:TVA/PM	:TVA:AD/P	:	:	:	:
NAME	:MSimms	:JDonohew:as	:SBlack	:	:	:	:
DATE	:04/19/89	:04/19/89	:04/19/89	:	:	:	:

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C/P-1

cc:
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Rockville Office
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Rockville, Maryland 20852

SURVEILLANCE REQUIREMENTS (Continued)

4.2.2.2 $F_Q(z)$ shall be evaluated to determine if $F_Q(Z)$ is within its limit by:

a. Using the movable incore detectors to obtain a power distribution map at any THERMAL POWER greater than 5% of RATED THERMAL POWER.

b. Increasing the measured $F_Q(z)$ component of the power distribution map by 3 percent to account for manufacturing tolerances and further increasing the value by 5% to account for measurement uncertainties.

c. Satisfying the following relationship:

$$F_Q^M(z) \leq \frac{2.237^{\#} \times K(z)}{P \times W(z)} \quad \text{for } P > 0.5$$

$$F_Q^M(z) \leq \frac{2.237^{\#} \times K(z)}{W(z) \times 0.5} \quad \text{for } P \leq 0.5$$

where $F_Q^M(z)$ is measured $F_Q(z)$ increased by the allowances for manufacturing tolerances and measurement uncertainty, F_Q limit is the F_Q limit, K(z) is given in Figure 3.2-2, P is the relative THERMAL POWER, and W(z) is the cycle dependent function that accounts for power distribution transients encountered during normal operation. This function is given in the Peaking Factor Limit Report as per Specification 6.9.1.14.

d. Measuring $F_Q^M(z)$ according to the following schedule:

1. Upon achieving equilibrium conditions after exceeding by 10 percent or more of RATED THERMAL POWER, the THERMAL POWER at which $F_Q(z)$ was last determined,* or

2. At least once per 31 effective full power days, whichever occurs first.

*During power escalation at the beginning of each cycle, power level may be increased until a power level for extended operation has been achieved and a power distribution map obtained.

#See Page 3/4 2-6a

SURVEILLANCE REQUIREMENTS (Continued)

e. With measurements indicating

$$\text{maximum over } z \left[\frac{F_Q^M(z)}{K(z)} \right]$$

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

1. $F_Q^M(z)$ shall be increased by 2 percent over that specified in 4.2.2.2.c, or

2. $F_Q^M(z)$ shall be measured at least once per 7 effective full power days until 2 successive maps indicate that

$$\text{maximum over } z \left[\frac{F_Q^M(z)}{K(z)} \right]$$ is not increasing.

f. With the relationships specified in 4.2.2.2.c above not being satisfied:

1. Calculate the percent $F_Q(z)$ exceeds its limit by the following expression:

$$\left\{ \left(\text{maximum over } z \left[\frac{F_Q^M(z) \times W(z)}{\frac{2.237^{\#}}{P} \times K(z)} \right] \right) - 1 \right\} \times 100 \quad \text{for } P \geq 0.5$$

$$\left\{ \left(\text{maximum over } z \left[\frac{F_Q^M(z) \times W(z)}{\frac{2.237^{\#}}{0.5} \times K(z)} \right] \right) - 1 \right\} \times 100 \quad \text{for } P < 0.5$$

2. Either of the following actions shall be taken:

   a. Place the core in an equilibrium condition where the limit in 4.2.2.2.c is satisfied. Power level may then be increased provided the AFD limits of Figure 3.2-1 are reduced 1% AFD for each percent $F_Q(z)$ exceeded its limit, or

   b. Comply with the requirements of Specification 3.2.2 for $F_Q(z)$ exceeding its limit by the percent calculated above.

#See page 3/4 2-6a.