

October 30, 1987

*Correction to
Amdt. 28 to NPF-30*

Docket No. 50-483

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Mr. Donald F. Schnell
Vice President - Nuclear
Union Electric Company
Post Office Box 149
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Dear Mr. Schnell:

On October 9, 1987, the Commission issued Amendment No. 28 to Facility Operating License No. NPF-30 for the Callaway Plant, Unit 1, in response to your application dated March 31, 1987, as supplemented. The amendment modified the technical specifications to support a transition from a Westinghouse 17x17 low-parasitic fuel assembly and optimized fuel assembly fueled core to a Westinghouse 17x17 Vantage 5 (V-5) fuel assembly fueled core.

On October 23, 1987, you called to our attention an error on TS page 3/4 2-1. In footnote ***, the word "maximum" was used instead of "minimum" in your submittal of changed pages, and we failed to note and correct the mistake at time of issuance. Both your staff and the NRC properly evaluated the minimum F₀ and minimum was approved in the evaluation. Therefore, the correction of this page is a clerical correction only, and no further evaluation is required.

Enclosed is corrected page 3/4 2-1 with the appropriate backup page. Thank you for promptly calling this error to our attention.

Sincerely,

TS/

Thomas W. Alexion, Project Manager
Project Directorate III-3
Division of Reactor Projects

Enclosure:
TS page 3/4 2-1

cc: See next page

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Surname: PKreutzer
Date: 10/30/87

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DWigginton
PD/PDIII-3
DWigginton
10/29/87

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Callaway Plant
Unit No. 1

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3/4.2 POWER DISTRIBUTION LIMITS

3/4.2.1 AXIAL FLUX DIFFERENCE

LIMITING CONDITION FOR OPERATION

3.2.1 The indicated AXIAL FLUX DIFFERENCE (AFD) shall be maintained within the following target band (flux difference units) about the target flux difference:

- a. +3%, -12% for Normal Operation
- b. +3% for RESTRICTED AFD OPERATION

The indicated AFD may deviate outside the applicable required target band at greater than or equal to 50% but less than 0.9 APL^{ND**} or 90% of RATED THERMAL POWER, whichever is less, provided the indicated AFD is within the Acceptable Operation Limits of Figure 3.2-1 and the cumulative penalty deviation times does not exceed 1 hour during the previous 24 hours.

The indicated AFD may deviate outside the applicable required target band at greater than 15% but less than 50% of RATED THERMAL POWER provided the cumulative penalty deviation time does not exceed 1 hour during the previous 24 hours.

APPLICABILITY: MODE 1, above 15% of RATED THERMAL POWER*,#

ACTION:

- a. With the indicated AFD outside of the applicable required target band and with THERMAL POWER greater than or equal to 0.9 APL^{ND**} or 90% of RATED THERMAL POWER, whichever is less, within 15 minutes, either:
 1. Restore the indicated AFD to within the applicable required target band limits, or

* See Special Test Exception Specification 3.10.2.

Surveillance testing of the Power Range Neutron Flux channel may be performed pursuant to Specification 4.3.1.1 provided the indicated AFD is maintained within the Acceptable Operation Limits of Figure 3.2-1 and THERMAL POWER \leq APL^{NO***}. A total of 16 hours operation may be accumulated with the AFD outside of the applicable required target band during testing without penalty deviation.

** APLND is the minimum allowable power level for RESTRICTED AFD OPERATION and will be provided in the Peaking Factor Limit Report per Specification 6.9.1.9.

*** APL^{NO} is equal to the

$$\text{minimum over } Z \left[\frac{2.32 * K(Z)}{F_Q^M(Z) * W(Z)_{NO}} * 100 \right]$$

and $F_Q^M(Z)$ and $W(Z)_{NO}$ are defined in 4.2.2.2.c.

POWER DISTRIBUTION LIMITS

LIMITING CONDITION FOR OPERATION

ACTION (Continued)

2. Reduce THERMAL POWER to less than 0.9 APLND** or 90% of RATED THERMAL POWER, whichever is less, and discontinue RESTRICTED AFD OPERATION (if applicable).
- b. With the indicated AFD outside of the applicable required target band for more than 1 hour of cumulative penalty deviation time during the previous 24 hours or outside the Acceptable Operation Limits of Figure 3.2-1 and with THERMAL POWER less than 0.9 APLND** or 90%, whichever is less, but equal to or greater than 50% of RATED THERMAL POWER, reduce:
 1. THERMAL POWER to less than 50% of RATED THERMAL POWER within 30 minutes, and
 2. The Power Range Neutron Flux-High Setpoints to less than or equal to 55% of RATED THERMAL POWER within the next 4 hours.
- c. With the indicated AFD outside of the applicable required target band for more than 1 hour of cumulative penalty deviation time during the previous 24 hours and with THERMAL POWER less than 50% but greater than 15% of RATED THERMAL POWER, the THERMAL POWER shall not be increased equal to or greater than 50% of RATED THERMAL POWER until the indicated AFD is within the applicable required target band.

SURVEILLANCE REQUIREMENTS

- 4.2.1.1 The indicated AFD shall be determined to be within its limits during POWER OPERATION above 15% of RATED THERMAL POWER by:
- a. Monitoring the indicated AFD for each OPERABLE excore channel:
 1. At least once per 7 days when the AFD Monitor Alarm is OPERABLE, and
 2. At least once per hour for the first 24 hours after restoring the AFD Monitor Alarm to OPERABLE status.
 - b. Monitoring and logging the indicated AFD for each OPERABLE excore channel at least once per hour for the first 24 hours and at least once per 30 minutes thereafter, when the AFD Monitor Alarm is inoperable. The logged values of the indicated AFD shall be assumed to exist during the interval preceding each logging.