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SUBJECT: Forwards suppl to 880122 proposed amend to Licenses DPR-38, DPR-47 & DPR-55 re limited MALHR.

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October 9, 1989

U. S. Nuclear Regulatory Commission
Document Control Desk
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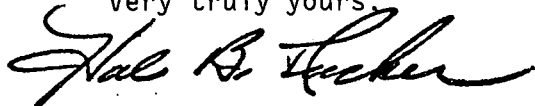
Subject: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287
LOCA - Limited Maximum Allowable
Linear Heat Rate

Gentlemen:

By letter dated January 22, 1988 I submitted a proposed amendment to the Oconee Nuclear Station (ONS) Facility Operating License and revision to the ONS Technical Specification Bases. The proposed revision was provided to update the LOCA - Limited Maximum Allowable Linear Heat Rate (Figure 3.5.2-16) in accordance with the technical justification provided in B&W Owners Group Report BAW-2001P, Low Pre-Pressure Fuel Rod Program.

Please find attached a supplement to the January 22, 1988 amendment request. This supplement represents the results of analyses described in BAW-2001P with two burnup windows rather than three. The attached letter (Attachment 2) is provided to supplement Table 3 of BAW-2001P. The LOCA kw/ft limits provided in this supplement and the limits described in Table 3 of BAW-2001P will not violate 10CFR50.46 or 10CFR50, Appendix K requirements. As such, no changes to the previously submitted No Significant Hazards Consideration Evaluation are necessary.

Very truly yours,



Hal B. Tucker

PJN/55/td
Attachments

cc: Mr. S. D. Ebnetter
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Duke Power Company

Oconee Nuclear Station

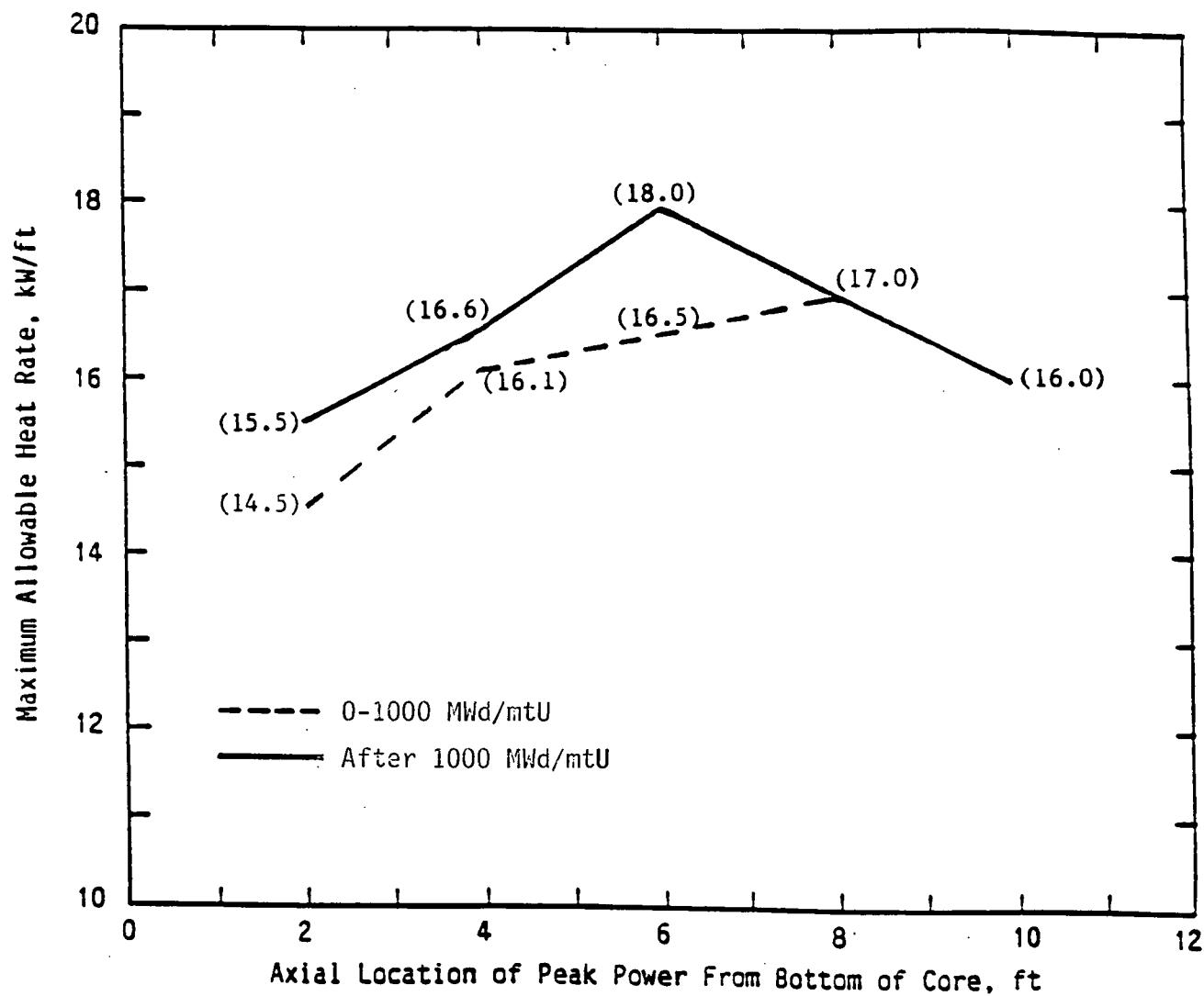
Attachment 1

Remove Pages

3.5-30

Insert Pages

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LOCA-Limited Maximum Allowable
Linear Heat

Oconee Nuclear Station
Figure 3.5.2-16

Duke Power Company

Oconee Nuclear Station

Attachment 2

LOCA Limits for Low Pre-Pressure Fuel Rods



B&W Fuel Company

An American Company With
Worldwide Resources

3315 Old Forest Road
P.O. Box 10935
Lynchburg, VA 24506-0935
(804) 385-2000

June 2, 1988

Mr. T. F. Wyke, Chief Engineer
Mechanical & Nuclear Division
Duke Power Company
P. O. Box 33189
Charlotte, NC 28242

Attention: Mr. Glenn Horne

Subject: LOCA Limits for Low Pre-pressure Fuel Rods
(Master Services Task 701)

- References:
1. BAW-2001P, "Low Pre-pressure Fuel Rod Program Burnup Extension LOCA Analysis," June 1987.
 2. BAW-1915P, (77-1164183-00), "Bounding Analytical Assessment of NUREG-0630 Models on LOCA kw/ft Limits with the use of FLECSET," May 1986.

Dear Glenn: DUKE POWER CO.
LYNCHBURG

It has recently been brought to our attention that the references given above allow different but valid LOCA limits for the B&W 177 lowered loop plants which are using reduced pre-pressure fuel rods. The purpose of this letter is to confirm the validity of both sets of limits.

Table 3 of Reference 1 may have a supplement added to it to include the following table:

Core Elevation (ft)	<u>LOCA Limits</u>	-	<u>Linear Heat Rates (kw/ft)</u>
	BOL-1000 MWD/mtu		1000 MWD/mtu-EOL
2	14.5		15.5
4	16.1		16.6
6	16.5		18.0
8	17.0		17.0
10	16.0		16.0

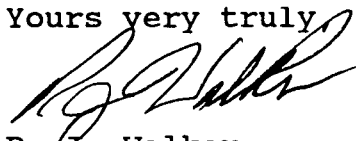
Both Table 3 of Reference 1 and this supplement are equally valid and will not violate 10 CFR 50.46 and Appendix K requirements of

Mr. T. F. Wyke
Page 2

June 2, 1988

2200 F cladding temperatures. This supplement table will be used for future Reloads, on B&W 177 lowered loop plants, in which every fresh fuel assembly is of the reduced pre-pressure design.

Yours very truly



R. J. Walker
Fuel Project Manager
Nuclear Fuel Services

RJW/beb

cc: K. S. Canady
R. M. Gribble
P. M. Abraham
N. A. Rutherford
F. W. Hallman
R. N. Edwards, Jr. - Charlotte Sales