

13 05/22/78

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50-269/270/287

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DOC DATE: 05/15/78
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DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:

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LTR 1 ENCL 1

FORWARDING ANALYSIS OF SMALL BREAKS IN THE REACTOR COOLANT PUMP DISCHARGE
PIPING FOR THE B&W LOWERED LOOP 177 FA PLANTS, PURSUANT TO PROVISIONS OF THE
NRC APRIL 1978 ORDER FOR MODIFICATION OF LIC FOR SUBJECT FACILITY'S, UNITS 1,
2, & 3.

PLANT NAME: OCONEE - UNIT 1
OCONEE - UNIT 2
OCONEE - UNIT 3

REVIEWER INITIAL: XJM
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***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

NOTES:

1. M. CUNNINGHAM - ALL AMENDMENTS TO FSAR AND CHANGES TO TECH SPECS

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(DISTRIBUTION CODE A001)

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SIZE: 1P+16P

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DUKE POWER COMPANY REGULATORY DOCKET FILE COPY
POWER BUILDING

422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28242

May 15, 1978

WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

TELEPHONE: AREA 704
373-4083

Mr. Edson G. Case, Acting Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Mr. R. Reid, Chief
Operating Reactors Branch #4

Reference: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287

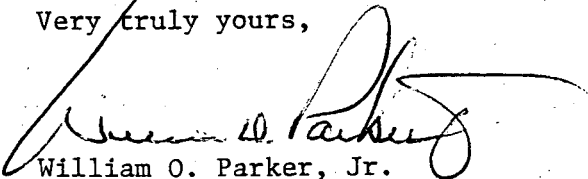
Dear Sir:

Pursuant to the provisions of the NRC's April 26, 1978 Order for Modification of License for Oconee Nuclear Station, Units 1, 2, and 3, the attached analysis of small breaks in the reactor coolant pump discharge piping is submitted. This analysis is the same as the generic 2568 Mwt analysis, submitted by B&W on May 1, 1978 (letter of James H. Taylor to Robert L. Baer), and is applicable to Oconee Units 1, 2, and 3 with the exception of the required operator actions. For Oconee units the required operator actions are as follows:

1. Upon ESFAS signal check for flow through both HPI trains.
2. If there is no flow in one train,
 - (a) open pump header cross-connect valve,
 - (b) check HPI valve position and open, if closed.

The results of the generic analysis will be conservative for Oconee units since HPI flow from two pumps is assured by the operator action. The analysis indicates that the ECCS cooling performance calculated in accordance with the B&W Evaluation Model for operation of Oconee units at the rated core thermal power of 2568 Mwt with operating procedures described in our letter of April 21, 1978, is wholly in conformance with the provisions of 10 CFR 50.46.

Very truly yours,



William O. Parker, Jr.

PMA:scs
Attachment

A001
7/11