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 50-287 Oconee Nuclear Station, Unit 3, Duke Power Co. 05000287

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 RECIPIENT NAME RECIPIENT AFFILIATION
 DENTON, H.R. Office of Nuclear Reactor Regulation
 REID, R.W. Operating Reactors Branch 4

SUBJECT: Responds to 791016 request for analysis of main steam line break w/new three feedwater pump per unit arrangement. No new analysis required. Suppl 3 to FSAR sufficient.

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WILLIAM O. PARKER, JR.
VICE PRESIDENT
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November 5, 1979

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Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

REGULATORY DOCKET FILE COPY

Attention: Mr. Robert W. Reid, Chief
Operating Reactors Branch No. 4

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

Dear Mr. Denton:

In your letter of October 16, 1979 you requested analyses of a main steamline break with the new three feedwater pump per unit arrangement. As discussed earlier with members of the staff it is considered that no new analyses are required. Supplement 3 to the Oconee Nuclear Station Final Safety Analysis Report contains a response to Question 14.3.5 beginning on page 3-20. With regard to feedwater flow, it was assumed that one main feedwater pump was operable throughout the transient.

The flow from one main feedwater pump (greater than 10,000 gpm) greatly exceeds the worst emergency feedwater pump flow (two motor-driven, one turbine driven) even at runout to the faulted generator (less than 2600 gpm). Therefore, flow to the affected generator is certainly no more with the installed emergency feedwater system than that assumed with main feedwater flow, and the mass flow through the break resulting in building pressurization is similarly limited. The effects of MSLB in RB with emergency feedwater flow from the modified system is considered to be conservatively bounded by the analyses presented in Supplement 3.

Very truly yours,

William O. Parker Jr.

William O. Parker, Jr.

KRW:scs

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