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SUBJECT: Outlines corrective actions to be taken to improve reliability of Lee Steam Station combustion units in providing emergency electrical power when one or more units out of svc.

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WILLIAM O. PARKER, JR.
VICE PRESIDENT
STEAM PRODUCTION

October 31, 1979

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

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

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

Dear Mr. Denton:

My letter of October 1, 1979 provided details of several instances of deenergization of the Oconee standby buses during the period the Keowee Hydro units were out-of-service for scheduled maintenance activities. A more in-depth review has been made, and the purpose of this letter is to outline the corrective actions which will be taken to improve the reliability of the Lee Steam Station combustion units in providing emergency electrical power when one or both of the Keowee units are out-of-service.

Vendor representatives will inspect the three Lee combustion turbines to assure that all necessary preventive maintenance is performed, and the relaying and circuit breakers for the units will be inspected by Duke Power personnel. In addition, step load change testing will be performed, both with one combustion unit operating and with two units operating in parallel. Vendor personnel will also assist with this testing.

In the future, two combustion units will be operated in parallel during periods when both Keowee units are out-of-service, and in order to avoid some potential control circuit problems, loads from isolated equipment will be placed on the turbines. When one Keowee unit is out-of-service, one Lee unit will be utilized to energize the Oconee standby buses. Further assurance against inadvertent trips of the Lee units will be provided by conducting a review of all associated protective relaying and bypassing or adjusting any non-essential relay trips. A comprehensive preventive maintenance program will be defined by the end of this year to further enhance reliability.

*App'l
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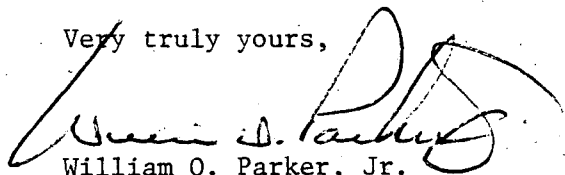
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Mr. Harold R. Denton, Director
October 31, 1979
Page Two

These actions are considered to provide reasonable assurance that the Lee combustion units can serve as an alternate source of emergency electrical power in the event that one or both of the Keowee units are unavailable. It is anticipated that the maintenance and testing activities will be completed by November 9, 1979.

Very truly yours,



William O. Parker, Jr.

SRL:scs

cc: Mr. James P. O'Reilly, Director
U. S. Nuclear Regulatory Commission
Region II
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Atlanta, Georgia 30303