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50-270 Oconee Nuclear Station, Unit 2, Duke Power Co. 05000270
50-287 Oconee Nuclear Station, Unit 3, Duke Power Co. 05000287
72-0004 Oconee ISFSI, 50-269, 50-270 & 50-287, 07200004

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SHAFFER, S.M. Region 2 (Post 820201)
RECIP.NAME RECIPIENT AFFILIATION
MCCOLLUM, W.R. Duke Power Co.

SUBJECT: Forwards insp repts 50-269/97-10, 50-270/97-10 & 50-287/97-10
on 970615-0726. No violations noted. Numbers of listed
concerns noted.

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August 25, 1997

Duke Power Company
ATTN: Mr W. R. McCollum
Vice President
Oconee Nuclear Station
P. O. Box 1439
Seneca, SC 29679

SUBJECT: NRC INSPECTION REPORT 50-269/97-10, 50-270/97-10, 50-287/97-10

Dear Mr. McCollum:

On July 26, 1997, the NRC completed an inspection at the Oconee Nuclear Station. The enclosed report presents the results of that inspection.

During the 6-week period covered by this inspection, your conduct of activities at the Oconee Nuclear Station was generally characterized by safety conscious Operations, Maintenance, Engineering and Radiological practices. However, we are concerned with the number of events or problems that occurred during this period requiring special attention and followup action. For example, during Lee Steam Station Technical Specification testing, two Keowee Hydro Unit problems arose which degraded onsite power availability. An Augmented Inspection Team was dispatched to the Oconee Nuclear Station to address this event, which was documented in Inspection Report 50-269,270, 287/97-11. Additionally, an electrical grid instability induced by activities at your Jocassee Hydro Units coupled with an improperly adjusted Oconee Unit 2 Main Turbine Generator voltage regulator circuit card, resulted in an Oconee Unit 2 turbine and reactor trip. Further challenges were brought about through the operation of Unit 1 with three instead of four Reactor Coolant Pumps due to one pump experiencing high vibrations. Finally, additional unqualified insulation material was identified in all three reactor buildings, resulting in a potentially degraded condition. The above activities are discussed in detail in the enclosed report.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be placed in the NRC Public Document Room (PDR).

Sincerely,

(Original signed by S. M. Shaeffer)

Scott M. Shaeffer, Acting Chief
Reactor Projects Branch 1
Division of Reactor Projects

040006

Docket Nos. 50-269, 50-270, 50-287, 72-04
License Nos. DPR-38, DPR-47, DPR-55, SNM-2503

Enclosure: NRC Inspection Report 50-269/9710, 50-270/97-10
50-287/97-10

cc w/encl: (See page 2)

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