

December 14, 1979

Mr. James P. O'Reilly, Director
Office of Inspection & Enforcement
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Serial No. 747B
PSE&C/SCJ:mac:wang

Docket No. 50-339

Dear Mr. O'Reilly:

On September 10, 1979, a report was made under the provisions of 10CFR50.55(e) concerning the Emergency Diesel Generator Fan Cooling System.

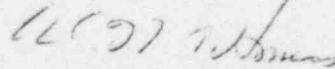
During a review of equipment specifications and the subsequent analysis of local meteorological data, it was discovered that ambient temperature ranges exist which exceed the original design limits of the Fan Cooling System. This necessitates that seasonal blade pitch angle changes be made.

To eliminate this time consuming procedure, the manufacturer (Fairbanks Morse) engineered a modification to the current fan drive shaft coupling that will allow the Emergency Diesel Generator to operate throughout the year at a fixed blade pitch angle without overloading the fan drive shaft.

The above modification has been completed on North Anna Units 1 & 2 Emergency Diesel Generators and the units satisfactorily tested in accordance with the manufacturer's recommendations. It is also necessary to make seasonal fluid coolant changes. A 35 percent solution of ethylene glycol will be used during the months when freezing could occur and treated water will be used during the summer months for maximum cooling.

This letter is a final report on this subject. If additional information is required for your review, please notify us.

Very truly yours,



for Sam C. Brown, Jr.
Senior Vice President - Power Station
Engineering and Construction

POOR ORIGINAL

cc: Mr. Victor Stello, Director
Office of Inspection & Enforcement
Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation

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