UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

R. Johnston
J. Knight
T. Sullivan

Doc

PA
1561

Docket No. 50-269

Frank Cheiny FYI cd
PLS stay in communication with Duke.

Gary: Where do we stand w. Caruso on this?
F.C.
2-1

MEMORANDUM FOR:

H. Denton	R. Vollmer
E. Case	R. Bernero
G. Edison	H. Thompson
D. Eisenhut	B. Snyder
F. Miraglia	T. Speis
G. Lainas	G. Holahan
T. Novak	S. Varga
D. Crutchfield	D. Vassallo
J. Zwolinski	J. Miller

THRU: John F. Stolz, Chief, Operating Reactors Branch #4, Division of Licensing

FROM: Helen Nicolaras, Project Manager
Operating Reactors Branch #4, Division of Licensing

2-14-85
mark expect RII report 2-19-85

SUBJECT: DAILY HIGHLIGHT - MAIN STEAM SAFETY VALVES REPEATEDLY DELAYED TO RESEAT AFTER REACTOR TRIPS

Re: Oconee Nuclear Station, Unit 1

The staff has been notified of preliminary results where the same 2 main steam safety valves repeatedly delayed to reseat after 2 reactor trips. The first reactor trip occurred when the Generator Field Breaker opened and a subsequent turbine trip occurred. The tripping of the turbine caused an anticipatory reactor trip. Main steam safety valves 2 and 10 delayed to reseat and steam generator (SG) pressure decreased to 900 psig. The SG pressure was later lowered to 850 psig to ensure reseating. The impact on the primary system was to reduce pressure to 1875 psig and temperature to 538°F (from 2155 psig and 580°F).

The second reactor trip occurred one day later upon loss of main feedwater pumps. Again, main steam safety valves 2 and 10 delayed to reseat. A manual reduction in main steam pressure was necessary to reseat the valves. In addition, main steam safety valve #4 relifted on increasing steam pressure, following the reseating of valve #2 and 10. The licensee states that the main steam safety valve behavior observed in these events has also been observed in several previous trips. Also during this transient, the emergency feedwater level control system did not properly maintain the Once Through Steam Generator level at the desired 25 inch level, instead allowing level to increase to a maximum of 50 inches.

The licensee does not know the cause of the delayed reseating of the valves at this time but will continue the investigation. Oconee Unit 1 was returned to power.

Helen Nicolaras

Helen Nicolaras, Project Manager
Operating Reactors Branch #4
Division of Licensing

B/23

OCONEE STEAM GEN SAFETY [redacted]

~~1000~~ 2 VALVES SET FOR 1070 PSI

BLEW DOWN TO 900 PSI (>10%)

SET FOR 1070 + 5% BLOWDOWN

MARK 27940 CARUSO & G. HOLAHAN CONCERN —

WILL THEY STICK OPEN OR BLOW DOWN

~~EVEN~~ MUCH MORE ?

B/24