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Southern Nuclear Operating Company

*the southern electric system*

J. D. Woodard  
Vice President  
Farley Project

July 13, 1992

10CFR50.63

Docket Nos. 50-348  
50-364

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555

Joseph M. Farley Nuclear Plant  
Supplemental Response To The  
Station Blackout Rule

Gentlemen:

On June 15, 1992, Southern Nuclear Operating Company (SNC) received the Nuclear Regulatory Commission Supplemental Safety Evaluation (SSE) relative to the Station Blackout (SBO) Rule. The SSE requested: (1) confirmation that the plant still meets its licensing basis for all design basis accidents with emergency diesel generator (EDG) 2C used as an alternate AC (AAC) power source, (2) confirmation that EDG 2C will not be loaded to more than 3100 kW during an SBO event, and (3) implementation of an EDG reliability program that meets the guidance of RG 1.155, Section 1.2.

In response: (1) SNC confirms that the four EDG's remaining after EDG 2C becomes the dedicated AAC power source will be capable of meeting all the design basis accident emergency power requirements. (2) SNC confirms that EDG 2C is a fully capable AAC power source, and it has sufficient capacity to power a complete safety train (Train B) of LOOP loads for one unit. Train B LOOP loads will be 3082 kW for Unit 1 and 3096 kW for Unit 2. These load values are lower than those presented during the October 4, 1991 meeting (3434 kW for Unit 1 and 3382 kW for Unit 2). This reduction in the load values is the result of load reduction changes scheduled to be implemented simultaneously with the SBO changes for dedicating EDG 2C as the AAC source. The SBO loading on EDG 2C during SBO events will be 3096 kW on Unit 1 and 3108 kW on Unit 2. The 8 kW excess load when supplying SBO loads on Unit 2 is insignificant and is of no concern given the amount of conservatism in the calculation of miscellaneous small loads, the short duration (4 hours) of the SBO event, and the operator capability to reduce diesel loading through load management actions. The small difference between the total LOOP loads and the SBO loads is the result of different

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miscellaneous loads required for running EDG 1B or 2B versus running EDG 2C. (3) A procedure for the diesel generator reliability program has been developed and issued which implements the guidance of NUMARC 87-00 Appendix D. This program incorporates the requirements of Regulatory Guide 1.155, Section 1.2.

The schedule contained in the previous response dated June 5, 1991, is still valid.

If there are any questions, please advise.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY

  
J. D. Woodard

JDW/JGS:cht-92.1449

cc: Mr. S. D. Ebnetter  
Mr. S. T. Hoffman  
Mr. G. F. Maxwell

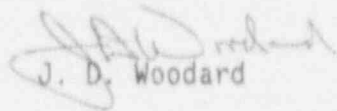
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