

J.D. Woodard  
Executive Vice President

Southern Nuclear Operating Company, Inc.  
40 Inverness Center Parkway  
P.O. Box 1295  
Birmingham, Alabama 35201  
Tel 205.992.5086

March 16, 1998



Energy to Serve Your World™

10 CFR 50.90

Docket Nos.: 50-348  
50-364

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

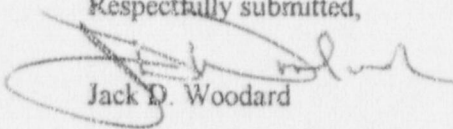
Joseph M. Farley Nuclear Plant  
Response to Request for Additional Information Related to Power Uprate  
Facility Operating Licenses and Technical Specifications Change Request

Ladies and Gentlemen:

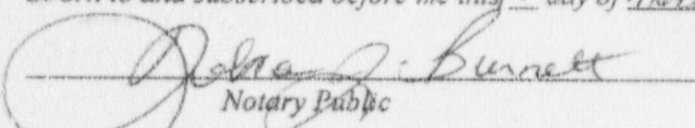
By letter dated February 14, 1997, Southern Nuclear Operating Company (SNC) proposed to amend the Facility Operating Licenses and Technical Specifications for Joseph M. Farley Nuclear Plant (FNP) Unit 1 and Unit 2 to allow operation at an increased reactor core power level of 2775 megawatts thermal (MWt). NRC letters dated July 1, 1997; August 21, 1997; and October 14, 1997 requested SNC provide additional information. SNC responded by letters dated August 5, 1997; September 22, 1997; and November 19, 1997 respectively. SNC letters dated December 17 and 31, 1997; January 23, 1998; February 12 and 26, 1998; and March 3 and 6, 1998 responded to NRC questions resulting from conference calls. During a telephone conference call on March 11, 1998, the NRC Staff requested a response to an additional question. Attachment I provides the SNC response to this question. Attachment II includes corrections to the power uprate BOP Licensing Report (pages 58 & 59) and Attachment I to SNC letter dated August 5, 1997 (Table E page 37).

If you have any questions, please advise.

Respectfully submitted,

  
Jack D. Woodard

Sworn to and subscribed before me this 16<sup>th</sup> day of March 1998

  
Notary Public

My Commission Expires: 9-18-98

MGE/maf: pwnup35.doc  
Attachments

cc: Mr. L. A. Reyes, Region II Administrator  
Mr. J. I. Zimmerman, NRR Project Manager  
Mr. T. M. Ross, Plant Sr Resident Inspector

9803240030 980316  
PDR ADOCK 05000348  
PDR



## **ATTACHMENT I**

**SNC Response to NRC Request For Additional Information Related to  
Power Uprate Submittal - Joseph M. Farley Nuclear Plant, Units 1 and 2**

**SNC RESPONSE TO NRC QUESTION RESULTING FROM NRC/SNC TELEPHONE  
CONFERENCE CALL ON MARCH 11, 1998**

**SNC Response to NRC Request For Additional Information Related to  
Power Uprate Submittal - Joseph M. Farley Nuclear Plant, Units 1 and 2**

NRC Question No. 1 (Reference March 11, 1998 NRC/SNC Conference Call)

The values in Table E of SNC letter dated August 5, 1997 indicate the results of the Main Steam Line Break radiological analysis submitted in the BOP Uprate Licensing Report do not reflect the steam generator tube leak rate for application of alternate repair criteria (ARC) approved in FNP Technical Specifications Amendment Nos. 132 (Unit 1) and 124 (Unit 2). Please provide an analysis of the offsite and control room doses reflecting these amendments for power uprate conditions.

SNC Response to Question No. 1

The most limiting case of an accident initiated iodine spike has been re-analyzed for the combination of alternate repair criteria and power uprate assumptions. The new input assumptions are listed in the Table E revision provided in Attachment II. (Reference SNC RAI letter dated August 5, 1997 Attachment I.) The new analysis results are presented in revised BOP Licensing Report pages 58 and 59. These results meet the acceptance criteria provided in NRC Safety Evaluation associated with FNP Technical Specifications Amendment Nos. 132 (Unit 1) and 124 (Unit 2). The revised BOP Licensing Report pages are provided in Attachment II.

SCS/jaw - 3/15/97