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March 25, 2010

Docket Nos.: 50-321



Energy to Serve Your World
NL-10-0472

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Edwin I. Hatch Nuclear Plant Unit 1
Alternative Source Term
Revision of Turbine Building Ventilation System Information

Ladies and Gentlemen:

On August 28, 2008, the NRC issued Amendment No. 256 to the Edwin I. Hatch Nuclear Plant (HNP) Operating License (OL) DPR-57 approving a full scope implementation of an alternative source term (AST). This letter revises some information Southern Nuclear Operating Company (SNC) provided previously to support the NRC review of the HNP AST submittal. The revised information continues to support the conclusions of the Safety Evaluation associated with the referenced amendment.

SNC replied on February 27, 2008 to an NRC letter dated April 26, 2007 requesting additional information regarding the Units 1 and 2 turbine building ventilation (TB HVAC) exhaust systems credited in the AST analyses with purging the area around the main control room following three of the four design basis accidents. In response to NRC TB HVAC question 1d, SNC stated the following:

"For both Units 1 and 2, the only TB HVAC components within two feet of the charcoal filter beds and subject to a radiation harsh environment are temperature switches which monitor charcoal bed temperature. SNC will take the necessary actions to assure these temperature switches meet the requirements of 10 CFR 50.49 in sufficient time to support final AST implementation once NRC approval is obtained."

For HNP Unit 1, SNC has determined, via confirmatory walkdowns, that the temperature switches which monitor charcoal bed temperature are not located within two feet of the charcoal filter beds. These walkdowns were conducted as part of planned design activities to ensure compliance with the requirements of 10 CFR 50.49. The subject Unit 1 temperature switches are located in a mild environment. Therefore, there are no applicable 10 CFR 50.49 environmental qualification requirements. This discrepancy in the Unit 1 temperature switch location has been documented and dispositioned in the HNP corrective action program (CR 2009112016 and CR 2009111728).

Mr. M. J. Ajluni states he is Manager - Nuclear Licensing of Southern Nuclear Operating Company, is authorized to execute this oath on behalf of Southern Nuclear Operating Company and to the best of his knowledge and belief, the facts set forth in this letter are true.

This letter contains no NRC commitments. If you have any questions, please advise.

Respectfully submitted,

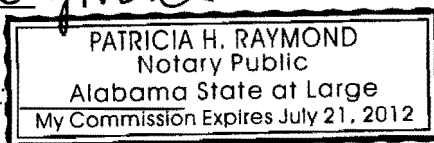
Mark J. Ajluni

M. J. Ajluni
Manager - Nuclear Licensing

Sworn to and subscribed before me this 25th day of March, 2010.

Patricia H. Raymond
Notary Public

My commission expires:



MJA/CLT/phr

cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Executive Vice President
Mr. D. R. Madison, Vice President – Hatch
Ms. P. M. Marino, Vice President – Engineering
RType: CHA02.004

U. S. Nuclear Regulatory Commission
Mr. L. A. Reyes, Regional Administrator
Mr. R. E. Martin, NRR Project Manager – Hatch
Mr. E. D. Morris, Senior Resident Inspector – Hatch

State of Georgia
Mr. C. Clark, Commissioner – Department of Natural Resources