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August 14, 2008

Energy to Serve Your WorldSM

Docket Nos.: 50-321
50-366

NL-08-1269

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

**Edwin I. Hatch Nuclear Plant
Request to Implement an Alternative Source Term
Response to Requests for Additional Information Regarding
Turbine Building Ventilation Exhaust Systems and Operating License Changes**

Ladies and Gentlemen:

On August 29, 2006 Southern Nuclear Operating Company (SNC) submitted a request to revise the Edwin I. Hatch Nuclear Plant (HNP) licensing/design basis with a full scope implementation of an alternative source term (AST). By letters dated November 6, 2006, November 27, 2006, January 30, 2007, June 22, 2007, July 16, 2007, August 13, 2007, October 18, 2007, December 11, 2007, January 24, 2008, February 4, 2008, February 25, 2008, February 27, 2008, March 13, 2008, April 1, 2008, May 5, 2008, June 25, 2008, and July 14, 2008 SNC has submitted further information to support the NRC review of the HNP AST submittal. Also by letter dated July 2, 2008 SNC requested an extension of the interim period for the use of potassium iodide (KI) by modifying Unit 1 Operating License (OL) DPR-57 license condition (LC) 2C(8) and Unit 2 OL NPF-5 LC 2C(3)(f).

During a teleconference between SNC and members of the NRC staff on August 11, 2008 the NRC requested additional information concerning the completion of plant walkdowns of selected HNP Units 1 and 2 motor control centers (MCCs) to validate their seismic characteristics. The selected MCCs are associated with the normal power supplies to the Units 1 and 2 turbine building ventilation exhaust systems which are credited with purging the area around the main control room following three of the four design basis accidents. The enclosure to this letter contains the SNC response to the referenced NRC request for additional information (RAI).

With respect the requested Units 1 and 2 OL LC changes to extend the interim period for use of KI, SNC, after further evaluation, elects to withdraw a portion of the requested changes to Unit 1 LC 2C(8) and Unit 2 LC 2C(3)(f). Specifically, SNC withdraws the request to delete the following two phases from the referenced Units 1 and 2 OL LCs: "rendering the crediting of potassium iodide no longer necessary" and "update." Deletion of these phrases was proposed as an

enhancement to the LC wording, but is not necessary to accomplish the objective of extending the interim period for use of KI. With the withdrawal of the proposed deletions, the requested OL LC change consists of changing the end date for interim KI use from May 31, 2010 to May 31, 2012 for HNP Unit 1 and to May 31, 2011 for HNP Unit 2.

The 10 CFR 50.92 evaluation and the justification for the categorical exclusion from performing an environmental assessment that were included in the August 29, 2006 submittal continue to remain valid.

Mr. M. J. Ajluni states he is Nuclear Licensing Manager 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,

SOUTHERN NUCLEAR OPERATING COMPANY

Mark J. Ajluni

M. J. Ajluni
Manager, Nuclear Licensing

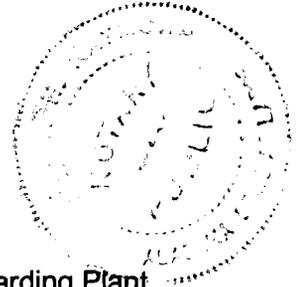
Sworn to and subscribed before me this 14th day of August, 2008.

Patricia H. Raymond
Notary Public

My commission expires: 7/21/2012

MJA/CLT/daj

Enclosure: 1. Response to Request for Additional Information Regarding Plant Walkdowns Related to the Turbine Building Ventilation Exhaust Systems



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cc: Southern Nuclear Operating Company

Mr. J. T. Gasser, Executive Vice President

Mr. D. R. Madison, Vice President – Hatch

Mr. D. H. Jones, 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. J. A. Hickey, Senior Resident Inspector – Hatch

State of Georgia

Mr. N. Holcomb, Commissioner – Department of Natural Resources

**Edwin I. Hatch Nuclear Plant
Request to Implement an Alternative Source Term
Response to Request for Additional Information Regarding Turbine
Building Ventilation Exhaust Systems and Operating License Changes**

Enclosure 1

**Response to Request for Additional Information Regarding Plant
Walkdowns Related to the Turbine Building Ventilation Exhaust Systems**

Enclosure 1

Response to Request for Additional Information Regarding Plant Walkdowns Related to the Turbine Building Ventilation Exhaust Systems

NRC VERBAL QUESTION

In section 3.0 of Enclosure 2 of the SNC letter dated July 14, 2008 Southern Nuclear Operating Company (SNC) documented the completion of plant walkdowns of selected Edwin I. Hatch Nuclear Plant (HNP) Units 1 and 2 motor control centers (MCCs) to validate their seismic characteristics. The selected MCCs are associated with the normal power supplies to the Units 1 and 2 turbine building (TB) ventilation exhaust systems. SNC stated the following with regards to these Units 1 and 2 plant walkdowns: "This panel was evaluated using appropriate seismic qualification utility group (SQUG) criteria, and determined to be acceptable for the applicable seismic design requirements "as-is" with no need for modification." Please clarify the SQUG criteria used for these plant walkdowns.

SNC RESPONSE

The SQUG criteria used for the subject walkdowns was the Generic Implementation Procedure (GIP) Revision 2, as discussed in a teleconference between SNC and a member of the NRC staff on July 28, 2008. As previously documented in the response to NRC Question 9 of the SNC letter dated February 4, 2008, the HNP current licensing basis, as documented in the Units 1 and 2 Final Safety Analysis Reports, provides for the use of GIP Revision 2.