



JUL 28 2010

Serial: HNP-10-073
10 CFR 50.90

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

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1
DOCKET NO. 50-400/RENEWED LICENSE NO. NPF-63
ADDITIONAL INFORMATION REGARDING AMENDMENT TO ALLOW
THE USE OF THERMAL-HYDRAULIC ANALYSIS CODE S-RELAP5 FOR
NON-LOCA ACCIDENT TRANSIENTS

- References:
1. Letter from C. L. Burton to the Nuclear Regulatory Commission (Serial: HNP-09-055), "Application for Revision to Technical Specification Core Operating Limits Report (COLR) References," dated July 21, 2009 (ML092150053)
 2. Letter from C. L. Burton to the Nuclear Regulatory Commission (Serial: HNP-10-028), "Response to Request for Additional Information Regarding Amendment to Allow the Use of Thermal-Hydraulic Analysis Code S-RELAP5 for Non-LOCA Accident Transients," dated March 03, 2010 (ML100700076)

Ladies and Gentlemen:

On July 21, 2009, the Harris Nuclear Plant (HNP) submitted a License Amendment Request (LAR) to modify Technical Specification (TS) 6.9.1.6 to allow the use of thermal-hydraulic analysis code S-RELAP5 for Chapter 15 non loss-of-coolant accident (LOCA) transients in the HNP safety analysis (Reference 1). Additionally, HNP submitted its response to the NRC's Request for Additional Information on March 03, 2010 (Reference 2).

During a June 02, 2010, telephone discussion with the NRC Staff, HNP agreed to provide a Regulatory Commitment to clarify the response provided in Reference 2.

The Enclosure to this submittal contains this Regulatory Commitment.

In accordance with 10 CFR 50.91(b), HNP is providing the state of North Carolina with a copy of this response.

Please refer any questions regarding this submittal to Mr. Dave Corlett, Supervisor – HNP Licensing/Regulatory Programs, at (919) 362-3137.

Progress Energy Carolinas, Inc.
Harris Nuclear Plant
P. O. Box 165
New Hill, NC 27562

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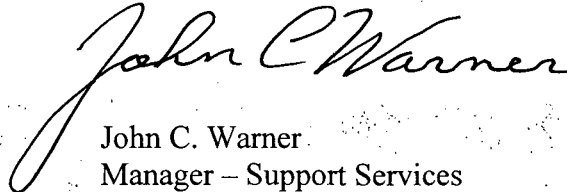
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I declare under penalty of perjury that the foregoing is true and correct. Executed on

JUL 28 2010

Sincerely,

A handwritten signature in black ink that reads "John C. Warner". The signature is fluid and cursive, with the first name "John" and last name "Warner" clearly legible.

John C. Warner
Manager – Support Services
Harris Nuclear Plant

JCW/kms

Enclosure: Regulatory Commitment

cc: Mr. J. D. Austin, NRC Sr. Resident Inspector, HNP
Mr. W. L. Cox, III, Section Chief N. C. DENR
Mr. L. A. Reyes, NRC Regional Administrator, Region II
Ms. M. G. Vaaler, NRC Project Manager, HNP

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REGULATORY COMMITMENT

The action in this document committed to by Harris Nuclear Plant (HNP) regarding the July 21, 2009, 10 CFR 50.90 License Amendment Request (LAR), "Application for Revision to Technical Specification Core Operating Limits Report (COLR) References," is identified in the following table. Statements in this submittal, with the exception of that in the table below, are provided for information purposes and are not considered commitments. Please direct any questions regarding this document or any associated regulatory commitments to the Supervisor, Licensing/Regulatory Programs.

Item	Commitment	Completion Date
1	<p>After implementation of the HNP TS Amendment approving use of the thermal-hydraulic analysis methodology EMF-2310 (S-RELAP5) for Chapter 15 non loss-of-coolant accident (LOCA) transients, EMF-2310 will be used for new replacement safety analysis currently performed using ANF-89-151 methodology.</p> <p>If it becomes necessary to correct an error in the current ANF-89-151 analyses, ANF-89-151 methodology will be used for the error correction.</p>	<p>Upon implementation of approved TS Amendment (60-days implementation period requested). This commitment will remain in effect until all ANF-89-151 analyses are replaced with EMF-2310 analyses.</p>