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SOUTHERN COMPANY
Energy to Serve Your World℠

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NL-06-0076

Docket Nos.: 50-348
50-364

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

Joseph M. Farley Nuclear Plant
Request for Additional Information
RR-58, Proposed Alternative to IWL-2421(b) Requirements and
Containment Tendon Surveillance Program

Ladies and Gentlemen:

In a letter dated May 31, 2005, Southern Nuclear Operating Company (SNC) requested approval of two proposed alternatives (RR-57 and RR-58) for the first containment inspection interval and subsequent intervals at the Joseph M. Farley Nuclear Plant (FNP), Units 1 and 2. In a letter dated June 1, 2005, SNC submitted an amendment request to the Technical Specifications for FNP Units 1 and 2 to modify the Tendon Surveillance Program in section 5.5.6 "Pre-Stressed Concrete Containment Tendon Surveillance Program."

During telecoms with the NRC, the NRC requested clarification of the use of Table 2 that was included in RR-58 and clarification about how the explicit requirements in 10 CFR 50.55a(b)(2)(viii)(A-E) are addressed. Enclosed are SNC's responses.

SNC requests approval of RR-57, RR-58, and the amendment request by June 1, 2006.

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

Sincerely,

L. M. Stinson

LMS/JLS/sdl

Enclosure: Response to RAI

cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Executive Vice President
Mr. J. R. Johnson, General Manager – Plant Farley
RTYPE: CFA04.054; LC# 14353

U. S. Nuclear Regulatory Commission
Dr. W. D. Travers, Regional Administrator
Mr. R. E. Martin, NRR Project Manager – Farley
Mr. C. A. Patterson, Senior Resident Inspector – Farley

Alabama Department of Public Health
Dr. D. E. Williamson

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Enclosure

Response to RAI

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Enclosure

Response to RAI

NRC Question 1

IWL 2421(b) states that "all examinations required by IWL-2500 shall be performed..." The Applicable Requirements section of SNC's Relief Request 58 (RR-58), dated May 31, 2005, acknowledges that examination relating to L1.10, "Concrete Surfaces," must be performed. However, L1.10 is not included in SNC's Tables 1 and 2 for RR-58. Please clarify SNC's plans to perform L1.10 as part of the containment examination program.

SNC Response to Question 1

Table 2 of the SNC May 31, 2005 letter was intended to describe only the IWL examination associated with the post-tensioning system that was discussed in telecoms with the NRC staff. RR-58 stated that SNC proposed to use the examination requirements of IWL-2421(b), which includes scheduling of IWL-2500 Item L1.10 (L1.11 & L1.12). However, to clarify, SNC has included IWL-2500 item L1.10 (L1.11 & L1.12) into a revised Table 2. The enclosed Table 1 and Table 2 should replace the Table 1 and Table 2 provided in the SNC May 31, 2005 letter.

NRC Question 2

Title 10 of the Code of Federal Regulations (10 CFR), Section 55a(b)(viii)(A-E) includes requirements in addition to those specified in subsection IWL of the ASME Code, Section XI. Please clarify how the explicit requirements in 10 CFR 50.55a(b)(viii)(A-E) are addressed.

SNC Response to Question 2

Plant Farley utilizes the equivalent requirements of the 1997 10 CFR 50.55a(b)(2)(ix), which are required to be met per the Farley Nuclear Plant "Containment Inspection Plan." The grease cap inspections are performed in conjunction with the IWL-2500 Item L1.10 inspection. Specifically - the grease cap inspection required by 10 CFR 50.55a(b)(2)(ix)(A) is performed using Farley Nuclear Plant Procedure "Visual Examination VT-3C."

NRC Question 3

RR-58 and Technical Specification Amendment request are based on a proposed date of July 2006 as the "common administrative" date for surveillance of both units. Per IWL-2420(c), the examinations are to be conducted within ± 1 year of the scheduled date. Proposed changes to Technical Specification Section 5.5.6 limits the inspection interval to December 2006 for the first performance of IWL based inspection. Please indicate why this limit was not reflected in RR-58.

SNC Response to Question 3

To clarify, SNC has included the Technical Specification limited inspection interval into the revised Table 2.

Southern Nuclear Operating Company
Proposed Alternative in Accordance with 10 CFR 50.55a(a)(3)(i) RR-58, Revision 0

TABLE 1
CODE REQUIRED IWL CONTAINMENT EXAMINATIONS DATES BASED ON THE STRUCTURAL INTEGRITY TEST (SIT) DATE

FNP-1 (SIT Performed 2/1977)		FNP-2 (SIT Performed 5/1980)	
2/2006 -2/2008 30 year L1.10 Concrete Surface Exams L2.10 and L2.20 Tendon Exams	2/2006 -2/2008 30 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams	5/2004 – 5/2006 25 year L1.10 Concrete Surface Exams L2.10 and L2.20 Tendon Exams	5/2004 – 5/2006 25 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams
	2/2011 – 2/2013 35 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams		5/2009 – 5/2011 30 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams
2/2016 -2/2018 40 year L1.10 Concrete Surface Exams L2.10 and L2.20 Tendon Exams	2/2016 -2/2018 40 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams	5/2014 – 5/2016 35 year L1.10 Concrete Surface Exams L2.10 and L2.20 Tendon Exams	5/2014 – 5/2016 35 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams

TABLE 2
PROPOSED IWL CONTAINMENT EXAMINATIONS DATES BASED ON A COMMON ADMINISTRATIVE DATE OF 7/2006

FNP-1		FNP-2	
7/2005 -12/2006 * 30 year L1.10 Concrete Surface Exams L2.10 and L2.20 Tendon Exams	7/2005 – 12/2006 * 30 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams	7/2005 -12/2006 * 25 year L1.10 Concrete Surface Exams L2.10 and L2.20 Tendon Exams	7/2005 – 12/2006 * 25 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams
	7/2010 – 7/2012 35 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams		7/2010 – 7/2012 30 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams
7/2015 -7/2017 40 year L1.10 Concrete Surface Exams L2.10 and L2.20 Tendon Exams	7/2015 – 7/2017 40 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams	7/2015 -7/2017 35 year L1.10 Concrete Surface Exams L2.10 and L2.20 Tendon Exams	7/2015 -7/2017 35 year L2.30 – L2.50 Anchorage Hardware, Corrosion Protection, and Free Water Exams

* Although the midpoint for this examination is 7/2006, the first examination is to be completed by the end of 2006.