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Docket Nos.: 50-366

NL-11-0771

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

Edwin I. Hatch Nuclear Plant
Reactor Pressure Vessel 2N2G Recirculation Inlet Nozzle-To-Safe End Weld
Full Structural Weld Overlay
Nondestructive Examination Results - Spring 2011 Outage (2R21)

Ladies and Gentlemen:

A small axial flaw was detected in dissimilar metal weld 2B31-1RC-12AR-G-5 during the Hatch Nuclear Plant Unit 2 – 2R20 Spring 2009 refueling outage. This weld is an Alloy 182 weld that joins a stainless steel safe-end to the low alloy steel 2N2G Recirculation Inlet nozzle. In the current 2R21 Spring 2011 refueling outage, Southern Nuclear Operating Company (SNC) applied a full structural weld overlay (FSWOL) over this weld in accordance with SNC's alternative ISI-ALT-08-02, Version 1. This alternative was approved per NRC safety evaluation report (SER) dated June 24, 2009 (Accession Number: ML090340017).

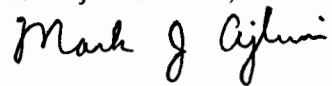
The NRC SER states (in part), "The licensee will provide to the NRC, within 14 days after the completion of the ultrasonic examination of the weld overlay installations, (a) the examination results of the weld overlays, and (b) a discussion of any repairs to the overlay material and/or base metal and the reason for repair".

SNC completed the required examinations on April 15, 2011 and the following is a summary of the examination results. No repairs of the overlay material or the base metal were necessary.

- Liquid penetrant (PT) indications were performed on the original base material, on the buffer layer which was applied over the stainless steel safe-end, and subsequently on the final overlay configuration. No relevant indications were recorded.
- Ultrasonic examinations were performed on the completed FSWOL. There were no recordable indications.

This letter satisfies the 14-day examination reporting requirements for the NRC SER dated June 24, 2009. This letter contains no NRC commitments. If you have any questions, please contact Jack Stringfellow at (205) 992-7037.

Respectfully submitted,

Handwritten signature of Mark J. Ajluni in black ink.

M. J. Ajluni
Nuclear Licensing Director

MJA/LWW/lac

cc: Southern Nuclear Operating Company
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Mr. D. R. Madison, Vice President – Hatch
Ms. P. M. Marino, Vice President – Engineering
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U. S. Nuclear Regulatory Commission
Mr. V.M. McCree, Regional Administrator
Mr. P. G. Boyle, NRR Project Manager
Mr. E. D. Morris, Senior Resident Inspector – Hatch