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*Designated  
Original*

April 18, 2007



Docket No.: 50-425

NL-07-0859

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

Vogtle Electric Generating Plant – Unit 2  
Pressurizer Nozzle Full Structural Weld Overlay  
Nondestructive Examination Results Spring 2007 Outage (2R12) – Revision 1

Ladies and Gentlemen:

On April 13, 2007, Southern Nuclear Operating Company (SNC) submitted letter NL-07-0803 providing the NRC examination results for the Vogtle Electric Generating Plant (VEGP) Unit 2 pressurizer nozzle full structural weld overlays and a discussion of any repairs to the overlay material and/or base metal. This information was submitted as a table in enclosure 1 to the letter and addressed pressurizer nozzles N1 through N-6. Subsequent to the submittal, SNC discovered that a clarification was needed to the N-5 nozzle information provided in the table on page E1-2. Enclosed is a revised page E1-2 to enclosure 1 which supersedes and replaces the same page submitted in NL-07-0803.

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

Sincerely,

B. J. George  
Manager, Nuclear Licensing

BJG/DRG/daj

Enclosure: Revision to Page E1-2 of the Weld Overlay Examination Results and Repairs Table in NL-07-0803

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cc: Southern Nuclear Operating Company  
Mr. J. T. Gasser, Executive Vice President  
T. E. Tynan, Vice President – Vogtle  
Mr. D. H. Jones, Vice President – Engineering  
RType: CVC7000

U. S. Nuclear Regulatory Commission  
Dr. W. D. Travers, Regional Administrator  
Mr. B. K. Singal, NRR Project Manager – Vogtle  
Mr. G. J. McCoy, Senior Resident Inspector – Vogtle

**Enclosure**

**Vogtle Electric Generating Plant Unit 2  
Pressurizer Nozzle Full Structural Weld Overlay  
Revision to Page E1-2 of the Weld Overlay Examination  
Results and Repairs Table in NL-07-0803**

Vogtle Unit No. 2 Weld Overlay Examination Results and Repairs Table

Nozzle	Results PT of Base Metal	PT of Mitigation Layer Results/Repairs	PT of Overlay Results/Repairs	PDI UT Exam Results	Post PDI UT Repairs	PDI UT Re-exams
N-4 RELIEF	NRI	Two indications due to probable hot cracking: Indication 1 @ 90° Length = 5.6-inches Indication 2 @ 180° Length = 2.8-inches  The indications were repaired and a new PT was performed with acceptable results.	NRI	NRI	NONE	NA
N-5 SPRAY	NRI	Numerous rejectable indications were found in a 1-inch wide band 360° around the nozzle at the pipe end of the overlay. The indications were repaired and a new PT was performed with acceptable results.	NRI	An intermittent 360° laminar indication was detected by UT. It was approximately 1/8-inch above the original surface near the interface of the safe-end to stainless steel weld. The likely cause was lack of fusion. See the attached figure to show indication location.	Grinding was performed to remove the laminar indication. A PT examination of the excavated area was performed with acceptable results. In the welding process to fill in the ground-out area, six linear PT indications were observed (lengths varied from 0.125-inch to 0.250-inch). These indications were ground out and the areas were re-welded. A new PT was performed with acceptable results.	NRI