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December 16, 2005

Docket No.: 50-424

NL-05-2229

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

Vogtle Electric Generating Plant
Results of Reactor Pressure Vessel Head Inspections
Required by Order EA-03-009

Ladies and Gentlemen:

On October 17, 2005, Southern Nuclear Operating Company (SNC) completed a visual inspection of the Vogtle Electric Generating Plant Unit 1 (VEGP-1) Reactor Pressure Vessel Top Head (RPVH) inside the integrated head package. SNC hereby reports the results of this inspection as required by Paragraph E of Section IV of NRC Revised Order EA-03-009.

Results:

Boric acid residue was observed on one of the four conoseal assemblies, penetration 76. The conoseals are mechanical joints on the four RPVH penetration extensions that form the pressure boundary for the incore thermocouples.

SNC performed a RPVH penetration visual inspection in the area of penetration 76 to verify the integrity of the affected area and penetration. The boron residue was primarily collected on the lower articulating clamp and the top of the canopy with some collection on the upper articulating joint. The residue on the upper articulating clamp is from the CRDM fans blowing the lower clamp residue up to the upper clamp. There was a small amount of boron residue present on the top of the mirror insulation below the canopy seal but no residue located at the core exit thermocouple nozzle penetration that goes through the mirror insulation down to the reactor head, nor evidence of boric acid residue from active leakage. Areas were cleaned sufficiently to determine that no degradation of the inspected area had occurred.

The examination performed was documented by a written report supplemented by photographic images supporting the examination findings.

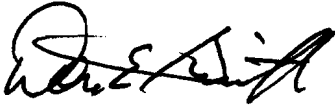
VEGP-1 returned to full power on October 20, 2005.

Mr. D. E. Grissette states he is a Vice President 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



Don E. Grissette

Sworn to and subscribed before me this 16th day of December, 2005.



Notary Public

My commission expires: 11/10/06

DEG/DRG/daj

cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Executive Vice President
Mr. T. E. Tynan, General Manager – Plant Vogtle
RType: CVC7000

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

State of Georgia
Mr. L. C. Barrett, Commissioner – Department of Natural Resources

