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50-425

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

Ladies and Gentlemen:

VOGTLE ELECTRIC GENERATING PLANT
REVIEW OF REACTOR VESSEL INTEGRITY DATABASE

As requested in your letter of July 22, 1999, the Reactor Vessel Integrity Database (RVID) has been reviewed. Our vessel data is different than the NRC database based on the following:

- The RVID2 database is out-of-date. Only two surveillance capsules (U and Y) are included in the RVID2 database for Vogtle Unit 1. Capsule V has been pulled, and the results of the analysis were forwarded by the Southern Nuclear letter dated October 2, 1998. Only two surveillance capsules (U and Y) are included in the RVID2 database for Vogtle Unit 2. Capsule X has been pulled, and the results of the analysis were forwarded by the Southern Nuclear letter dated March 17, 1999.
- The percent drop in upper shelf energy (USE) at end-of-life (EOL) at $\frac{1}{4}$ T for the Vogtle plates that are not included in the surveillance capsule program should use copper values for both Vogtle reactor vessels that are less than the 0.10% value included in Figure 2 of Regulatory Guide 1.99, Revision 2. It appears that the NRC Staff conservatively used the curve for 0.10% copper that results in a conservative evaluation for both the Vogtle reactor vessels.

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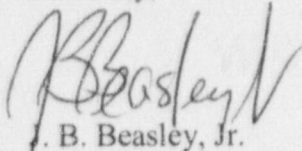
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- The RVID2 values for RT_{PTS} at EOL for Vogtle Unit 2 lower shell plate B8628-1 and for the circumferential and axial welds calculated by the NRC are not as conservative as those calculated by Southern Nuclear.

Please contact this office if you have any questions.

Sincerely,



J. B. Beasley, Jr.

JBB/pah

cc: Southern Nuclear Operating Company
J. T. Gasser
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SNC Document Management

U. S. Nuclear Regulatory Commission
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