

Charles R. Pierce
Regulatory Affairs Director

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July 31, 2015

Docket Nos.: 50-424

NL-15-1476

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

Vogtle Electric Generating Plant Unit 1
Supplement to Response to Request for Additional Information on License
Amendment Request for Residual Heat Removal Pump Motor

Ladies and Gentlemen:

By letter dated June 4, 2015 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML 15155B593), Southern Nuclear Operating Company (SNC) submitted a license amendment request for the Vogtle Electric Generating Plant (VEGP), Unit 1, to revise the completion time for one inoperable residual heat removal (RHR) train from 72 hours to 7 days to allow for replacement of an RHR pump motor. By letter dated July 15, 2015, the Nuclear Regulatory Commission (NRC) staff issued a request for additional information (RAI); SNC responded to that request by letter dated July 22, 2015. In that letter, SNC committed to supplementing the RAI Question #1 response with revised values for the incremental conditional core damage probability (ICCDP) and the incremental conditional large early release probability (ICLERP), calculated with NRC-accepted methods.

The Enclosure provides the SNC supplemental response.

This letter contains no NRC commitments. If you have any questions, please contact Ken McElroy at (205) 992-7369.

Mr. C. R. Pierce states he is Regulatory Affairs Director 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.

Respectfully submitted,

C. R. Pierce

C. R. Pierce
Regulatory Affairs Director

CRP/RMJ/lac

Sworn to and subscribed before me this 31st day of July, 2015.

C. B. Bly
Notary Public

My commission expires: 1-2-2018

Enclosure: SNC Supplemental Response to NRC RAI

cc: Southern Nuclear Operating Company
Mr. S. E. Kuczynski, Chairman, President & CEO
Mr. D. G. Bost, Executive Vice President & Chief Nuclear Officer
Mr. D. R. Madison, Vice President – Fleet Operations
Mr. M. D. Meier, Vice President – Regulatory Affairs
Mr. B. K. Taber, Vice President – Vogtle 1 & 2
Mr. B. J. Adams, Vice President – Engineering
Mr. G. W. Gunn, Regulatory Affairs Manager – Vogtle 1 & 2
RType: CVC7000

U. S. Nuclear Regulatory Commission
Mr. V. M. McCree, Regional Administrator
Mr. R. E. Martin, NRR Senior Project Manager – Vogtle 1 & 2
Mr. L. M. Cain, Senior Resident Inspector – Vogtle 1 & 2

State of Georgia
Mr. J. H. Turner, Director- Environmental Protection Division

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Enclosure

SNC Supplemental Response to NRC RAI

Enclosure to NL-15-1476
SNC Supplemental Response to NRC RAI

The Vogtle Fire PRA has been refined to incorporate NRC-accepted methods.

Accordingly, the incremental conditional core damage probability (ICCDP) and the incremental conditional large early release probability (ICLERP) have been recalculated using those accepted methods.

The new values are tabulated below:

Fire PRA Methodology	Total ICCDP	Total ICLERP	CT Requested
Non-NRC Approved Methods	7.47E-06	1.84E-07	7 days
NRC Approved Methods	7.27E-06	2.08E-07	7 days