



Tennessee Valley Authority, 1101 Market Street, LP 5A, Chattanooga, Tennessee 37402-2801

August 14, 2008

10 CFR 52.79

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

In the Matter of)
Tennessee Valley Authority)

Docket No. 52-014 and 52-015

**BELLEFONTE COMBINED LICENSE APPLICATION – RESPONSE TO REQUEST FOR
ADDITIONAL INFORMATION – FIRE PROTECTION PROGRAM**

Reference: Letter from Tanya Simms (NRC) to Andrea Sterdis (TVA), Request for Additional Information Letter No. 068 Related to SRP Section 09.05.01 for the Bellefonte Units 3 and 4 Combined License Application, dated July 9, 2008

This letter provides the Tennessee Valley Authority's (TVA) response to the Nuclear Regulatory Commission's (NRC) request for additional information (RAI) item included in the reference letter.

A response to the NRC request in the subject letter is addressed in the enclosure which does not identify any associated changes to be made in a future revision of the BLN application.

If you should have any questions, please contact Phillip Ray at 1101 Market Street, LP5A, Chattanooga, Tennessee 37402-2801, by telephone at (423) 751-7030, or via email at pmray@tva.gov.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on this 14th day of Aug, 2008.

Andrea L. Sterdis
Manager, New Nuclear Licensing and Industry Affairs
Nuclear Generation Development & Construction

Enclosure
cc: See Page 2

DO85
NRD

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cc: (Enclosures)

- E. Cummins, Westinghouse
- S. P. Frantz, Morgan Lewis
- M.W. Gettler, FP&L
- R. C. Grumbir, NuStart
- P. S. Hastings, NuStart
- P. Hinnenkamp, Entergy
- M.C. Kray, NuStart
- D. Lindgren, Westinghouse
- G. D. Miller, PG&N
- M.C. Nolan, Duke Energy
- N. T. Simms, Duke Energy
- T. Simms, NRC/HQ
- G.A. Zinke, NuStart

cc: (w/o Enclosure)

- B. Anderson, NRC/HQ
- M.M. Comar, NRC/HQ
- B. Hughes, NRC/HQ
- R. G. Joshi, NRC/HQ
- R. H. Kitchen, PGN
- M.C. Kray, NuStart
- A.M. Monroe, SCE&G
- C.R. Pierce, SNC
- R. Register, DOE/PM
- L. Reyes, NRC/RII
- J. M. Sebrosky, NRC/HQ

Enclosure
TVA letter dated August 14, 2008
RAI Response

Response to NRC Request for Additional Information letter No. 068 dated July 09, 2008
(2 pages, including this list)

Subject: Fire Protection Program in the Final Safety Analysis Report

<u>RAI Number</u>	<u>Date of TVA Response</u>
09.05.01-14	This letter – see following pages

<u>Associated Additional Attachments / Enclosures</u>	<u>Pages Included</u>
None	

Enclosure
TVA letter dated August 14, 2008
RAI Response

NRC Letter Dated: July 9, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 09.05.01-14

The NRC staff would like the applicant to clarify whether they will be crediting PRA and fire modeling results to demonstrate acceptable fire hazards or post-fire safe shutdown capabilities for specific fire scenarios? If so, the applicant should provide the NRC staff with details of the PRA and modeling program to include at the minimum the program name, program revision, input file, key assumptions, and results for review and approval.

BLN RAI ID: 0703

BLN RESPONSE:

The AP1000 DCD describes where PRA is credited for Fire hazard Analysis and post-fire safe shutdown capabilities. The applicant is not planning to credit any additional PRA or fire modeling results to demonstrate acceptable fire hazards or post-fire safe shutdown capabilities for specific fire scenarios. As stated in FSAR Subsection 19.59.10, a review of the differences between the as-built plant and the design used as the basis for the AP1000 PRA and DCD Table 19.59-18 will be completed prior to fuel load. The PRA will be updated to reflect these differences if they potentially result in a significant increase in core damage frequency or large release frequency. The PRA update process includes an update of the PRA plus a general review of the entire PRA model, and as applicable, the application of new software that implements a different methodology and implementation of new modeling techniques.

This response is expected to be STANDARD for the S-COLAs.

ASSOCIATED BLN COL APPLICATION REVISIONS:

No COLA revisions have been identified associated with this response.

ATTACHMENTS/ENCLOSURES:

None