



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

June 23, 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 SCHEDULE**

Reference: Letter from Tanya Simms (NRC) to Andrea L. Sterdis (TVA), Request for
Additional Information Letter No. 009 Related to SRP Section 09.05.01 for the
Bellefonte Units 3 and 4 Combined License Application, dated May 8, 2008.

This letter provides the Tennessee Valley Authority's (TVA) response to the Nuclear Regulatory
Commission's (NRC) request for additional information (RAI) items included in the reference
letter. The items address the fire protection implementation schedule.

A response to each NRC request in the subject letter is addressed in the enclosure and identifies no
changes that will be 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 e-mail at
pmray@tva.gov.

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

Executed on this 23rd day of June, 2008.

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

Enclosure
cc: See Page 2

DO85
A006
NRO

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cc: (Enclosures)

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

cc: (w/o Enclosure)

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

Enclosure
TVA letter dated June 23, 2008
RAI Responses

Responses to NRC Request for Additional Information letter No. 009 dated May 8, 2008
(2 pages)

Subject: Fire Protection Program Schedule

<u>RAI Number</u>	<u>Date of TVA Response</u>
09.05.01-02	This letter – see following pages

Attachments / Enclosures
None

Pages Included

Enclosure
TVA letter dated May 23, 2008
RAI Responses

NRC Letter Dated: May 8, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 09.05.01-02

Final Fire Hazards and Safe Shutdown Analyses – The Bellefonte COLA states that the applicant shall implement applicable portions of the Fire Protection Program prior to initial fuel load. Please state when the final fire hazards and safe shutdown analyses will be completed, and confirm that those analyses will be included in the FSAR. Explain how those analyses will be performed and documented, especially the post-fire, safe-shutdown circuit analysis method, and describe how the applicant will ensure that the analyses reflect the as-purchased, as-built plant.

BLN RAI ID: 0330

BLN RESPONSE:

As indicated in Table 13.4-201 and FSAR Section 9.5.1.8, the required elements of the fire protection program are fully operational prior to receipt of new fuel for buildings storing new fuel and adjacent fire areas that could affect the fuel storage area in that reactor unit. Other required elements of the fire protection program described in the Fire Protection section are fully operational prior to initial fuel loading in that reactor unit.

The fire hazards and safe shutdown analyses are complete as documented in the FSAR, including the incorporated by reference Design Control Document (DCD). The quality control programs include appropriate and necessary controls to purchase and build the plant as described in the FSAR (and DCD). A final as-built evaluation will include completion of the ITAAC identified in DCD Tier 1 Section 2.3.4 for the fire protection system and DCD Tier 1 Section 3.3, Table 3.3-6, item 7, and confirmation that the plant was built in accordance with the system design specifications upon which the fire hazards and safe shutdown analyses are based.

As required by the regulations (10 CFR 52, Appendix D, Section X.B), the COL holder will update the FSAR if the analyses are required to be revised to reflect the as-purchased, as-built plant.

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