

PMBelCOL PEmails

From: Spink, Thomas E [tespink@tva.gov]
Sent: Friday, September 04, 2009 2:34 PM
To: Simms, Tanya; Sebrosky, Joseph; Hood, Mallecia
Cc: Sterdis, Andrea Lynn; Ryan, William T III; Eddie.Grant@excelservices.com
Subject: Courtesy Copy - FSAR Section 8.2 - Transmission System
Attachments: Transmission Letter to NRC (09-04-09).pdf

Tanya,

As a courtesy, please find attached our letter notifying NRC that a fifth 500 kV line will be required for 2-unit operation at Bellefonte. . As always, the official submittal has been submitted to the Document Control Desk via paper copy using Federal Express services. The paper copy should arrive on September 8, 2009.

If you have any questions, please let me know

Thomas E. Spink

Licensing Project Manager
Nuclear Generation Development
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Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 1664

Mail Envelope Properties (B648F67990B15146B8646584D20B8DD10AC5DA8F)

Subject: Courtesy Copy - FSAR Section 8.2 - Transmission System
Sent Date: 9/4/2009 2:33:48 PM
Received Date: 9/4/2009 2:34:26 PM
From: Spink, Thomas E

Created By: tespink@tva.gov

Recipients:

"Sterdis, Andrea Lynn" <alsterdis@tva.gov>
Tracking Status: None
"Ryan, William T III" <wtryan@tva.gov>
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Tracking Status: None
"Simms, Tanya" <Tanya.Simms@nrc.gov>
Tracking Status: None
"Sebrosky, Joseph" <Joseph.Sebrosky@nrc.gov>
Tracking Status: None
"Hood, Mallecia" <Mallecia.Hood@nrc.gov>
Tracking Status: None

Post Office: TVACOCXVS2.main.tva.gov

Files	Size	Date & Time
MESSAGE	572	9/4/2009 2:34:26 PM
Transmission Letter to NRC (09-04-09).pdf		335829

Options

Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:



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

September 4, 2009

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 – FSAR Section 8.2 - Offsite Power System

This letter provides additional information related to a future revision to the Tennessee Valley Authority's (TVA) combined license (COL) application. The information discussed in the enclosure will be included in a future revision of the BLN application.

If you should have any questions, please contact Tom Spink at 1101 Market Street, LP5A, Chattanooga, Tennessee 37402-2801, by telephone at (423) 751-7062, or via email at tespink@tva.gov.

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

Executed on this 4th day of Sep, 2009.

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

Enclosure
cc: See Page 2

Document Control Desk

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September 4, 2009

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 September 4, 2009
Voluntary Section 8.2 Submittal

NRC Review of Final Safety Analysis Report

An Updated TVA Interconnection System Impact Study for 2-unit Bellefonte operation has identified the need for an additional 500 kV transmission line from Bellefonte to TVA's Franklin, TN 500 kV substation to address transmission thermal overloads and maintain transient stability of area generation.

Additional Information:

A future revision to COLA Environmental Report and FSAR Section 8.2 will describe the additional 500 kV transmission line, including revisions to FSAR Figures 8.2-201 and 8.2-202. The additional 500 kV transmission line is not needed for safe shutdown, but rather to address transmission thermal overloads and transient stability of area generation. The interface requirements for steady state load, inrush kVA for motors, nominal voltage, allowable voltage regulation, nominal frequency allowable frequency fluctuation, maximum frequency decay rate and the limiting under frequency value for the Reactor Coolant Pump will continue to be met.

This revision is PLANT-SPECIFIC.

ASSOCIATED BLN COL APPLICATION REVISIONS:

None

ASSOCIATED ATTACHMENTS/ENCLOSURES:

None