April 22, 2008

Ms. Andrea L. Sterdis
Manager, Nuclear Licensing & Industry Affairs
Nuclear Generation Development & Construction
Tennessee Valley Authority
1101 Market Street
Chattanooga, Tennessee 37402-2801

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 003 RELATED TO SRP SECTIONS 05.04.02.02 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION

Dear Ms. Sterdis:

By letter dated September 30, 2007, as supplemented by letters dated November 2, 2007, January 8, 2008 and January 14, 2008, Tennessee Valley Authority (TVA) submitted its application to the U.S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advance passive pressurized water reactors pursuant to 10 CFR Part 52. The NRC staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within 45 days of the date of this letter. If changes are needed to the final safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, you may contact me at 301-415-6191 or you may contact Joesph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

/RA/

Ravindra G. Joshi, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015

Enclosure:
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-6191 or you may contact Joesph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

/RA/

Ravindra G. Joshi, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015
eRAI Tracking No. 166

Enclosure:
Request for Additional Information

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*Approval captured electronically in the electronic RAI system.

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Request for Additional Information
Bellefonte Units 3 and 4
Tennessee Valley Authority
Docket Nos.52-014 and 52-015
SRP Section: 05.04.02.02- Steam Generator Program
Application Section: 5.4.2.5

QUESTION from Component Integrity, Performance & Testing Branch 1

05.04.02.02-1

According to SRP Section 5.4.2.2, the Steam Generator Program is an operational program that should be fully described, with implementation milestones listed in the appropriate table in Chapter 13 of the FSAR. Because Table 13.4-201 ("Operational Programs Required by NRC Regulations") of the COL application for Bellefonte Units 3 and 4 does not reference FSAR Section 5.4 or the Technical Specifications containing the implementation requirements for steam generator tube inspection, please discuss how the application ensures the Steam Generator Program is included as an operational program.

05.04.02.02-2

According to SRP Section 5.4.2.2, an acceptable steam generator inspection program will ensure that all tubes are inspected before being placed into service, using techniques that are expected to be used during subsequent inspections. Since this preservice inspection is not addressed by the proposed Technical Specifications, please discuss how TVA will ensure it is performed for Bellefonte Units 3 and 4.

Enclosure