

May 13, 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. 019 RELATED TO
SRP SECTION 14.02 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 301-415-9967 or you may contact Joseph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

/RA/

Brian C. Anderson, 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 301-415-9967 or you may contact Joesph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

/RA/

Brian C. Anderson, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015
eRAI Tracking No. 118

Enclosure:
Request for Additional Information

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NRO-002

OFFICE	CPIB/BC		NWE1/PM	OGC	NWE1/L-PM
NAME	JPeralta*		BAnderson*	PMoulding*	JSebrosky*
DATE	4/09/08		5/01/08	5/06/08	5/07/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

**Request for Additional Information
Bellefonte Units 3 and 4
Tennessee Valley Authority
Docket No. 52-014 and 52-015
SRP Section: 14.02 - Initial Plant Test Program - Design Certification and New License
Applicants
Application Section: 14.4.5**

QUESTION from Quality and Vendor Branch 1

14.02-3

Regulatory Guide 1.68, Section C.1, "Criteria for Selection of Plant Features to be Tested," provides the criteria for the selection of plant features to be tested during the conduct of the initial test program. Standard COL information item 14.4.5 of the Westinghouse DCD states that the COL applicant is responsible for testing that may be required of structures and systems which are outside of the design certification. Section 14.2 of the Bellefonte COL application addresses COL information item 14.4.5 and provides test abstracts for the following interfacing systems:

- Storm drains
- Site-specific seismic sensors
- Offsite AC power systems
- Raw Water System
- Sanitary Drainage System
- Fire Brigade Support Equipment
- Portable Personnel Monitors and Radiation Survey Instruments
- Cooling Tower(s)

Please confirm that the test abstracts included in Section 14.2 of the Bellefonte COL application to address COL information item 14.4.5 are applicable to Bellefonte Units 3 and 4. In addition, please confirm that there are no additional site-specific structures, systems, and/or design features that meet the criteria of Regulatory Position C.1 of RG 1.68 and for which testing should be addressed in Section 14.2 of the Bellefonte COL application.