

BellefonteRAIsPEm Resource

From: Joseph Sebrosky
Sent: Monday, February 02, 2009 8:05 AM
To: BellefonteRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 145 RELATED TO SRP SECTION 2.4.2 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Attachments: BLN-RAI-LTR-145.doc

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Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 145 RELATED TO SRP SECTION 2.4.2 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Sent Date: 2/2/2009 8:05:17 AM
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From: Joseph Sebrosky

Created By: Joseph.Sebrosky@nrc.gov

Recipients:
"BellefonteRAIsPEm Resource" <BellefonteRAIsPEm.Resource@nrc.gov>
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February 2, 2009

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. 145 RELATED TO
SRP SECTION 2.4.2 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED
LICENSE APPLICATION

Dear Ms. Sterdis:

By letter dated October 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 30 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 301-415-1132.

Sincerely,

/RA/

Joseph M. Sebrosky, Senior Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015

eRAI Tracking No. 2046

Enclosure:
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-1132.

Sincerely,

/RA/

Joseph M. Sebrosky, Senior Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015

eRAI Tracking No. 2046

Enclosure:
Request for Additional Information

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DATE	1/28/09	1/28/09		1/29/09	02/02/09

*Approval captured electronically in the electronic RAI system.

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**Bellefonte Units 3 and 4
Tennessee Valley Authority
Docket No. 52-014 and 52-015
SRP Section: 02.04.02 - Floods
Application Section: 2.4.2**

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.02-9

During the June 23 Workshop held in Knoxville, TVA presented bathymetry and cross-section maps to be used in the updated simulated open channel hydraulics (SOCH) model for Chickamauga, Nickajack, and Gunterville reservoirs. It was the understanding of NRC staff that additional maps were being prepared for Watts Bar and Ft. Loudoun-Tellico reservoirs, but the data used to generate the maps were still under review. These maps (as electronic Geographic Information System (GIS) files) were requested during the Workshop. TVA stated that additional review was needed but that they would be provided when the review was complete. In the July 3, 2008 letter to TVA, NRC formally requested (RAI 02.04.02-02) the GIS files. TVA provided a response on August 1 (RAI Response Letter 64) to RAI 02.04.02-02, stating that the GIS data were provided in the electronic data package provided at the June 23 Workshop (see ML0821801181). However, after searching the data package provided by TVA, these files have not been found. On January 22, 2009, TVA and NRC staff discussed the RAI response and the requested datasets. NRC now understands that the recently-collected bathymetry data will not be available until May 2009.

NRC staff requests that TVA provide the processed bathymetric and near-shore topographic data for Gunterville, Nickajack, Chickamauga, Watts Bar, and Ft. Loudoun-Tellico reservoirs. As discussed on January 22, 2009, these data can be provided in ESRI GeoDatabase format. The GIS layers to include in the ESRI 9.x GeoDatabase are the original bathymetric point data and the processed bathymetric surface(s), in either raster or TIN format. GIS layers should represent the bathymetry, near-shore topography, and the SOCH cross-section locations.

Enclosure