

BellefonteRAIsPEm Resource

From: Joseph Sebrosky
Sent: Friday, August 08, 2008 12:33 PM
To: BellefonteRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 119 RELATED TO SRP SECTION 2.3.4 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Attachments: BLN-RAI-LTR-119.doc

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Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 119 RELATED TO SRP SECTION 2.3.4 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Sent Date: 8/8/2008 12:32:51 PM
Received Date: 8/8/2008 12:33:45 PM
From: Joseph Sebrosky

Created By: Joseph.Sebrosky@nrc.gov

Recipients:
"BellefonteRAIsPEm Resource" <BellefonteRAIsPEm.Resource@nrc.gov>
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Reply Requested: No
Sensitivity: Normal
Expiration Date:
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August 8, 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. 119 RELATED TO
SRP SECTION 2.3.4 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. 937

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. 937

Enclosure:
Request for Additional Information

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NAME	LBrown	CCox		AHodgdon*	JSebrosky*
DATE	8/1/08	8/1/08		8/4/08	8/8/08

*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 No. 52-014 and 52-015
SRP Section: 02.03.04 - Short Term Atmospheric Dispersion Estimates for Accident
Releases
Application Section: 2.3.4

QUESTIONS from the Siting and Accident Consequences Branch

02.03.04-5

The applicant has taken a departure in FSAR Chapter 18, "Human Factors Engineering," in that the Bellefonte TSC is not located in the control building as identified in the AP1000 DCD (Departure No. BNL DEP 18.8-1). Provide a description of the methodology, inputs, assumptions, and calculated atmospheric dispersion factors (χ/Q values) for releases from the Plant Vent, PCS Air Diffuser, Fuel Building Blowout Panel, Fuel Building Rail Bay Door, Steam Vent, PORV/Safety Valves, Condenser Air Removal Stack, and Containment Shell to the Technical Support Center (TSC). Information provided should be analogous to that provided for releases to the control room and include drawings to show relevant information graphically. Consider providing the computer input files as part of the response.

In accordance with SRP 15.0.3, SRP Acceptance Criteria 3, "Technical Support Center Radiological Habitability," information regarding the TSC χ/Q values is needed to verify that Bellefonte meets Paragraph IV.E.8 of Appendix E to 10 CFR Part 50 concerning TSC habitability. Revise the Bellefonte FSAR so that it provides this information.

Enclosure