

BellefonteRAIsPEm Resource

From: Ravindra Joshi
Sent: Wednesday, July 16, 2008 7:30 AM
To: BellefonteRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 071 RELATED TO SRP
SECTIONS 01 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE
APPLICATION
Attachments: BEL-RAI-LTR-071.doc

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Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 071 RELATED TO
SRP SECTIONS 01 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Sent Date: 7/16/2008 7:30:15 AM
Received Date: 7/16/2008 7:30:17 AM
From: Ravindra Joshi

Created By: Ravindra.Joshi@nrc.gov

Recipients:
"BellefonteRAIsPEm Resource" <BellefonteRAIsPEm.Resource@nrc.gov>
Tracking Status: None

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| BEL-RAI-LTR-071.doc | 51706 | |

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

July 16, 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. 071 RELATED TO
SRP SECTION 01 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 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 Joseph 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

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. 671

Enclosure:
Request for Additional Information

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| NAME | SCoffin * | RJoshi* | PMoulding* | JSebrosky* |
| DATE | 7/7/08 | 7/7/08 | 7/12/08 | 7/14/08 |

*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: 01-Introduction and Interfaces
Application Section: FSAR 1.9.1.1**

QUESTION from AP1000 Projects Branch 1 (NWE1)

01-7

Appendix 1A of the DCD provides an evaluation of the degree of AP1000 compliance with Regulatory Guides. For those Regulatory Guides applicable to AP1000, Table 1.9-1 of the DCD identifies the appropriate DCD cross-references. The cross-referenced sections contain descriptive information applicable to the regulatory guide positions found in Appendix 1A of the DCD.

Bellefonte FSAR Section 1.9.1.1 adds certain paragraphs (Pages 1.9-1 and 2) to the end of DCD Section 1.9.1.1. FSAR Section 1.9.1.1 states in part, "Appendix 1AA provides an evaluation of the degree of compliance with Division 1 regulatory guides as applicable to the content of this FSAR, or to the site-specific design, construction and/or operational aspects." In addition, FSAR section 1.9.1.1 states that "Table 1.9-201 identifies the appropriate regulatory guide to FSAR cross-references. The cross-referenced sections contain descriptive information applicable to the regulatory guide positions found in Appendix 1AA."

SRP Section 1.0 (Page 1.0-4), Item 9 of Areas of Review states, "A table of conformance with the NRC's regulatory guides that are applicable to the application is reviewed. The table should also include an identification and description of deviation from the guidance contained in the NRC's regulatory guides as well as suitable justifications for any alternative approaches proposed by the COL applicant **with appropriate references to the FSAR sections where they are addressed.**" (Emphasis added)

Appendix 1AA documents a conformance discussion for Regulatory Guides. However, Appendix 1AA does not provide cross references to FSAR sections for certain Regulatory Guides (e.g., Reg. Guides 1.133, 1.135, 1.143, 1.147, 1.154, 1.161) for locating the applicable descriptive information. Please note that this list does not include all the regulatory guides that do not have applicable cross references to FSAR sections; it is a sample for illustrative purposes. As the above-listed Regulatory Guides are not identified in Table 1.9-201, no descriptive information is referenced for the staff review. Accordingly, provide appropriate references to FSAR sections where conformance with specific Regulatory Guides is addressed, or justify why the cross references to the FSAR sections are not necessary.