

BellefonteRAIsPEm Resource

From: Ravindra Joshi
Sent: Wednesday, June 25, 2008 8:29 AM
To: BellefonteRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 051 RELATED TO SRP SECTION 05.02.01.01 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED LICENSE APPLICATION
Attachments: BEL-RAI-LTR-051.doc

Hearing Identifier: Bellefonte_COL_RAI_Public
Email Number: 27

Mail Envelope Properties (CEEA97CC21430049B821E684512F6E5E85264D4BF6)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 051
RELATED TO SRP SECTION 05.02.01.01 FOR THE BELLEFONTE UNITS 3 and 4 COMBINED
LICENSE APPLICATION

Sent Date: 6/25/2008 8:29:16 AM

Received Date: 6/25/2008 8:29:18 AM

From: Ravindra Joshi

Created By: Ravindra.Joshi@nrc.gov

Recipients:

"BellefonteRAIsPEm Resource" <BellefonteRAIsPEm.Resource@nrc.gov>

Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	3	6/25/2008 8:29:18 AM
BEL-RAI-LTR-051.doc	52730	

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

June 25, 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. 051 RELATED TO
SRP SECTION 05.02.01.01 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 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. 335,346,348 and 350

Enclosure:
 Request for Additional Information

Distribution:

Public	BHughes	CAraguas
RidsNroDnrlNwe1	SCoffin	MComar
RidsNroLAKGoldstein	TSimms	AHodgdon
RidsOgcMailCenter	BAnderson	AHsia
RidsAcrsAcnw_MailCenter	TScarbroough	Cheng-lh WU
RidsRgn2MailCenter	DTerao	
JSebrosky	PMoulding	

NRO-002

OFFICE	CIB1/BC	EMB1/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	DTerao *	AHsia	RJoshi*	AHodgdon*	JSebrosky*
DATE	5/29/08	06/02/08	6/6/08	6/10/08	6/10/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

**Bellefonte Units 3 and 4
Tennessee Valley Authority
Docket No. 52-014 and 52-015**

**SRP Section: 05.02.01.01 – Compliance with the Codes and Standards Rule, 10 CFR 50.55a
Application Section: FSAR 5.2.1.1**

**QUESTIONS from Component Integrity, Performance & Testing Branch 1 (CIB1) and
Engineering Mechanics Branch (EMB1)**

05.02.01.01-2

Subsection 5.2.1.1 of AP1000 DCD Tier 2 discusses the application of ASME BPV Code, Section III, for the design and fabrication of reactor coolant pressure boundary components. Other ASME BPV Code sections and the ASME OM Code are not discussed in this subsection.

Discuss the application at Bellefonte of sections of the ASME BPV Code and the ASME *Code for Operation and Maintenance of Nuclear Power Plants* (OM Code) not referenced in Subsection 5.2.1.1 of AP 1000 DCD Tier 2.

05.02.01.01-3

Bellefonte FSAR 5.2.1.1 indicates that if a later Code year/addenda than the Design Certification Code year/addenda is used by the material and/or component supplier, then a code reconciliation is performed. The reconciliation is performed using the methodology set forth in ASME Section XI for the repair and replacement of components. Provide justification for using Section XI inservice/inspection code for operating plants in the reconciliation for Section III new reactor designs.

05.02.01.01-4

Bellefonte FSAR Section 5.2.1.1 indicates that if Code Cases other than those included in AP1000 DCD Table 5.2-3 are used, a similar review and reconciliation are performed. Please explain how this meets 10CRF50.55a(a)(3), (b)(4), (b)(5) and (b)(6).

05.02.01.01-5

AP1000 DCD Revision 16 requires use of the 1989 Edition 1989 Addenda for NB-3200, NB-3600, NC-3600 and ND-3600 for construction of components and piping. List components that are designed and constructed using the 1989 ASME Code and discuss whether these components also meet requirements of the 1998 Edition through and including 2000 Addenda ASME Code, which is the code of record for AP1000 DCD.