

BellefonteRAIsPEm Resource

From: Simms, Tanya
Sent: Friday, December 11, 2009 1:11 PM
To: BellefonteRAIsPEm Resource
Subject: Request for Additional Information Letter No. 167 Related To SRP Section 09.01.02 for the Bellefonte Units 3 and 4 Combined License Application
Attachments: BEL-RAI-LTR-167.doc

Hearing Identifier: Bellefonte_COL_RAI_Public
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Subject: Request for Additional Information Letter No. 167 Related To SRP Section 09.01.02 for the Bellefonte Units 3 and 4 Combined License Application
Sent Date: 12/11/2009 1:10:49 PM
Received Date: 12/11/2009 1:10:53 PM
From: Simms, Tanya

Created By: Tanya.Simms@nrc.gov

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

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

December 11, 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. 167 RELATED TO
SRP SECTION 09.01.02 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 on January 5, 2010. This is the date TVA provided for the Chapter 9 Safety Evaluation Report (SER) Standard responses. 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 301-415-1387 or you may contact Joseph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

/RA/

Tanya Simms, 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 301-415-1387 or you may contact Joesph Sebrosky, the lead project manager for the Bellefonte combined license at 301-415-1132.

Sincerely,

/RA/

Tanya Simms, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-014
52-015
eRAI Tracking No. 3829

Enclosure:
Request for Additional Information

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NAME	DTerao*	TSimms*	JMartin *	SCoffin*
DATE	10/21/09	11/06/09	11/19/09	11/20/09

*Approval captured electronically in the electronic RAI system.

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Request for Additional Information No. 3829 Revision 1
Bellefonte Units 3 and 4
Docket No. 52-014 and 52-015
SRP Section: 09.01.02 - New and Spent Fuel Storage
Application Section: 9.1.2

QUESTION from Component Integrity, Performance, and Testing Branch 1 (CIB1)

09.01.02-2

Background

In RAI 09.01.02-1 (Ref. 1), the staff requested that the applicant provide additional detail on the spent fuel rack Metamic monitoring program since the applicant's proposed resolution of COL Information Item 9.1-7 was basically a restatement of the text of the COL information item from the DCD. The staff also requested that the applicant revise the proposed resolution of COL information item 9.1-7 to reflect the most recent RAI response by Westinghouse related to the description of the Metamic monitoring program in the AP1000 DCD (Ref. 2).

The staff notes that in the applicant's response to RAI 09.01.02-1 (Ref. 3), the applicant provided a proposed text for STD COL 9.1.-7 that matches the revised text of COL Information Item 9.1-7 proposed by Westinghouse in Reference 2. However, the proposed text is still a restatement of the proposed information item text from Westinghouse, albeit an updated version. The applicant has not provided any details on the methodology or acceptance criteria for the tests listed. Also, Westinghouse proposed a markup to DCD Section 9.1.2.2.1 that included a proposed coupon withdrawal schedule. However, since the coupon withdrawal schedule may depend on BLN's fuel cycle length which is plant specific, the staff needs confirmation that the same coupon withdrawal schedule will be used.

Requested Information

Provide a program description of the Metamic monitoring program including the following elements:

- 1) Whether the number of coupons and withdrawal schedule will be the same as described in the DCD.
- 2) The methodology and acceptance criteria for the tests that will be performed on the Metamic coupons, including tests for bubbling, blistering, cracking or flaking, a corrosion, neutron attenuation and thickness.
- 3) Corrective actions to be taken if coupon tests do not meet the acceptance criteria.
- 4) The administrative controls applicable to the program.

This information should be included in a future FSAR revision.

References

- 1) Letter from Tanya Simms (NRC) to Andrea L Sterdis (TVA), Request for Additional Information Letter No. 165 Related to SRP Section 09.01.02 for the Bellefonte Units 3 and 4 Combined License Application, dated August 21, 2009 (ADAM Accession No. ML092330617)
- 2) Enclosure 1 to Letter from Robert Sisk to NRC dated April 21, 2009, re: AP1000 Request for Additional Information (SRP 9), transmitting response to RAI-SRP9.1.2-CIB 101 R3 (ADAMS Accession No. ML091120720)
- 3) Letter from Andrea L. Sterdis To NRC Dated September 22, 2009; Subject: Bellefonte Combined License Application - Response To Request For Additional Information - New And Spent Fuel Storage (ADAMS Accession No. ML092720626)