PMBelCOL PEmails

From: Tanya Simms
Sent: Wednesday, July 02, 2008 10:51 AM
To: rgrumbir@gmail.com; alsterdis@tva.gov; erg-xl@cox.net; pshastings@duke-energy.com; Ray, Phillip M; kslays@duke-energy.com; Bob Hirmanpour
Cc: Joseph Sebrosky; PMBelCOL PEmails
Subject: RAI Letter No. 061 Related SRP Section 09.01.05 for Bellefonte Units 3 and 4
Attachments: BEL-RAI-LTR-061.pdf

To All,

Attached is RAI Letter No. 061 related SRP Section 09.01.05 for Bellefonte Units 3 and 4. The ADAMS accession number is ML081840267.

Tanya Simms
Project Manager
New Reactor Licensing
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, Maryland 20852-2738
301-415-1387
Tanya.Simms@nrc.gov

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 380

Mail Envelope Properties (C4A4C9A16294FB4CBA5A36312D05FFAC0A9B41652B)

Subject: RAI Letter No. 061 Related SRP Section 09.01.05 for Bellefonte Units 3 and 4
Sent Date: 7/2/2008 10:50:32 AM
Received Date: 7/2/2008 10:50:34 AM
From: Tanya Simms

Created By: Tanya.Simms@nrc.gov

Recipients:
"Joseph Sebrosky" <Joseph.Sebrosky@nrc.gov>
Tracking Status: None
"PMBelCOL PEmails" <PMBelCOL.PEmails@nrc.gov>
Tracking Status: None
"rgrumbir@gmail.com" <rgrumbir@gmail.com>
Tracking Status: None
"alsterdis@tva.gov" <alsterdis@tva.gov>
Tracking Status: None
"erg-xl@cox.net" <erg-xl@cox.net>
Tracking Status: None
"pshastings@duke-energy.com" <pshastings@duke-energy.com>
Tracking Status: None
"Ray, Phillip M" <pmray@tva.gov>
Tracking Status: None
"kslays@duke-energy.com" <kslays@duke-energy.com>
Tracking Status: None
"Bob Hirmanpour" <bobhirman@live.com>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	405	7/2/2008 10:50:34 AM
BEL-RAI-LTR-061.pdf	128338	

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

BellefonteRAIsPEm Resource

From: Tanya Simms
Sent: Wednesday, July 02, 2008 10:38 AM
To: BellefonteRAIsPEm Resource
Subject: Request for Additional Information Letter No. 061 Related To SRP Section 09.01.05 for the Bellefonte Units 3 and 4 Combined License Application
Attachments: BEL-RAI-LTR-061.doc

Hearing Identifier: Bellefonte_COL_RAI_Public
Email Number: 38

Mail Envelope Properties (C4A4C9A16294FB4CBA5A36312D05FFAC0A9B4164D4)

Subject: Request for Additional Information Letter No. 061 Related To SRP Section 09.01.05 for the Bellefonte Units 3 and 4 Combined License Application
Sent Date: 7/2/2008 10:38:20 AM
Received Date: 7/2/2008 10:38:21 AM
From: Tanya Simms

Created By: Tanya.Simms@nrc.gov

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

Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	3	7/2/2008 10:38:21 AM
BEL-RAI-LTR-061.doc	53242	

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

July 2, 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. 061 RELATED TO SRP SECTION 09.01.05 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 301-415-1387 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

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. 291

Enclosure:
Request for Additional Information

Distribution:

Public	PWilson	BHughes
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NRO-002

OFFICE	SBPB/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	PWilson *	TSimms*	AHodgdon*	JSebrosky*
DATE	5/09/08	6/06/08	6/10/08	6/11/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Request for Additional Information No. 291 Revision 0
Bellefonte Units 3 and 4
Tennessee Valley Authority
Docket No. 52-014 and 52-015
SRP Section: 09.01.05 - Overhead Heavy Load Handling Systems
Application Section: 9.1.5

QUESTIONS from Balance of Plant Branch 2 (SBPB)

09.01.05-1

RAI-9.1.5-SBPB-01 Regulatory Guide (RG) 1.206 Section C.I.9.1.5 states that the application should describe the program and schedule for implementation of the program governing heavy load handling, including several bulleted items as listed in the RG. Standard Review Plan (SRP) 9.1.5 Revision 1 and NUREG -0612 Section 5.1.1 further describe heavy load handling guidelines. The applicant provided STD SUP 9.1-1, which provided some information regarding any future heavy load lifts outside those already described in the DCD. However, this information does not address all the program elements and detail listed in RG 1.206 Section C.I.9.1.5, NUREG -0612 Section 5.1.1and SRP 9.1.5, nor does it provide a schedule for implementation. A heavy load handling program that meets the requirements of Section 5.1.1 of NUREG- 0612, SRP Section 5.1.1 and RG 1.206 Section C.I.9.1.5 should be in place before there is a possibility that a load drop could cause a release of radioactivity, a criticality accident, inability to cool fuel within the reactor vessel or spent fuel pool, or prevent safe shutdown of the reactor. Please provide a description of the key elements of the heavy loads handling program at a level of detail similar to that of the NUREG, SRP and RG. Include a description of the program areas that will be addressed by the procedures developed to cover load handling operations, a discussion on the establishment and use of safe load paths, programs or procedures for training and qualification of crane operator, programs or procedures for crane inspection testing and maintenance, and the heavy loads quality assurance program. In addition please provide a schedule as to when the procedures will be complete, and when the vendor specific information will be provided.

09.01.05-2

RAI-9.1.5-SBPB-02 AP1000 DCD Revision 16 Section 9.1.6.5, “Inservice Inspection Light Load Handling System,”(SIC) states that the COL applicant is responsible for providing a program for inservice inspection of the overhead heavy load handling system in accordance with ANSI B30.2, ANSI B30.9, ANSI N14.6, and ASME NOG-1 as specified in DCD Tier 2, Section 9.1.5.4. This is identified as COL Action Item 9.1.6.5. In Section 9.1 of the Bellefonte COL application, the applicant proposed adding a paragraph at the end of Section 9.1.5.4 stating that the above requirements are part of the plant inspection program for the overhead heavy load handling system, which is implemented through procedures. In addition to the above inspections, the procedures reflect the manufacturers’ recommendations for inspection and the NUREG-0612 recommendations. Please verify that these procedures are established as the COL Information Item (in the DCD Revision16) and STD COL 9.1-5 (in the COLA) address and are currently available for NRC inspection, or provide a description of what procedures will be implemented to ensure satisfactory inservice inspection of overhead heavy load handling equipment and the schedule in relation to fuel loading for issuance of the procedures and describe how this action will be tracked to ensure completion of the COL Information Item.