PMBelCOL PEmails

From: Ray, Phillip M [pmray@tva.gov]
Sent: Monday, July 28, 2008 4:53 PM
To: Joseph Sebrosky; Ravindra Joshi
Subject: Courtesy copies
Attachments: Response to RAI Letter 041 Temporary Mobile Equipment - final to Carolyn 20080728.pdf; BLN RAI Response to RAI Letter 065 draft 20080728 pmr.pdf

Ravi,

Attached are courtesy copies of mailed RAI responses.

Phil

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 880

Mail Envelope Properties (28921B76CDD05940A918AEEC9EBCA7C0078D82F3)

Subject: Courtesy copies
Sent Date: 7/28/2008 4:52:53 PM
Received Date: 7/28/2008 4:54:08 PM
From: Ray, Phillip M

Created By: pmray@tva.gov

Recipients:
"Joseph Sebrosky" <Joseph.Sebrosky@nrc.gov>
Tracking Status: None
"Ravindra Joshi" <Ravindra.Joshi@nrc.gov>
Tracking Status: None

Post Office: TVACOCXVS1.main.tva.gov

Files	**Size**	**Date & Time**
MESSAGE	72	7/28/2008 4:54:08 PM
Response to RAI Letter 041 Temporary Mobile Equipment - final to Carolyn 20080728.pdf	251834	
BLN RAI Response to RAI Letter 065 draft 20080728 pmr.pdf	253684	

Options
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Recipients Received:

Tennessee Valley Authority, 1101 Market Street, LP 5A, Chattanooga, Tennessee 37402-2801

July 28, 2008

10 CFR 52.79

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

In the Matter of)
Tennessee Valley Authority)

Docket No. 52-014 and 52-015

BELLEFONTE COMBINED LICENSE APPLICATION – RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION – LIQUID WASTE MANAGEMENT SYSTEMS

Reference: Letter from Ravindra Joshi (NRC) to Andrea L. Sterdis (TVA), Request for Additional Information Letter No. 041 Related to SRP Section 11.02 for the Bellefonte Units 3 and 4 Combined License Application, dated June 18, 2008.

This letter provides the Tennessee Valley Authority's (TVA) response to the Nuclear Regulatory Commission's (NRC) request for additional information (RAI) item included in the reference letter.

A response to the NRC request in the subject letter is addressed in the enclosure which also identifies any associated changes that will be made in a future revision of the BLN application.

If you should have any questions, please contact Thomas Spink at 1101 Market Street, LP5A, Chattanooga, Tennessee 37402-2801, by telephone at (423) 751-7062, or via email at tespink@tva.gov.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on this 28th day of July, 2008.

Andrea L. Sterdis
Manager, New Nuclear Licensing and Industry Affairs
Nuclear Generation Development & Construction

Enclosure
cc: See Page 2

cc: (Enclosure)

J. P. Berger, EDF
E. Cummins, Westinghouse
S. P. Frantz, Morgan Lewis
M.W.Gettler, FP&L
R. C. Grumbir, NuStart
P. S. Hastings, NuStart
P. Hinnenkamp, Entergy
R. G. Joshi, NRC/HQ
M.C. Kray, NuStart
D. Lindgren, Westinghouse
G. D.Miller, PG&N
M.C. Nolan, Duke Energy
N. T .Simms, Duke Energy
G. A Zinke, NuStart

cc: (w/o Enclosure)

B. C. Anderson, NRC/HQ
M.M.Comar,NRC/HQ
B. Hughes,NRC/HQ
R. H. Kitchen, PGN
M.C. Kray, NuStart
A.M. Monroe, SCE&G
C. R. Pierce, SNC
R. Reister, DOE/PM
L. Reyes, NRC/RII
T. Simms, NRC/HQ
J. M. Sebrosky, NRC/HQ

Enclosure
TVA letter dated July 28, 2008
RAI Response

Response to NRC Request for Additional Information letter No. 041 dated June 18, 2008
(3 pages, including this list)

Subject: Liquid Waste Management Systems in the Final Safety Analysis Report

RAI Number	Date of TVA Response
11.02-05	This letter – see following pages

Attachments / Enclosures	Pages Included
None	

NRC Letter Dated: June 18, 2008

NRC Review of Final Safety Analysis Report

NRC RAI Number: 11.02-05

In FSAR Section 11.2.1.2.5.2, TVA addresses COL Information Item 11.2-1 by providing the description of the conformance of the mobile or temporary equipment to the guidance of Regulatory Guide 1.143. The conformance discussion is limited to the codes and standards listed in Table 1 and Position C.1.1.2 of Regulatory Guide 1.143. Please clarify the extent to which the mobile or temporary equipment meets the remaining applicable guidance of Regulatory Guide 1.143; please revise FSAR Section 11.2 to include this information, or justify its exclusion.

BLN RAI ID: 570

BLN Response:

Regulatory Guide 1.143 compliance is detailed in DCD Chapter 1 Appendix 1A. As stated in the General position for the guide, "The AP1000 Radwaste Building provides space to store dry active waste and space for mobile waste processing systems and equipment and three liquid waste monitor tanks... (within the requirements of classification RW-IIC of Regulatory Guide 1.143)…." FSAR Chapter 1, Appendix 1AA shows conformance with programmatic and/or operational aspects of Regulatory Guide 1.143.

FSAR Subsection 11.2.1.2.5.2 states "When mobile or temporary equipment is selected to process liquid effluents, the equipment design and testing meets the applicable requirements of Regulatory Guide 1.143." This statement provides an overall conformance to the requirements of Regulatory Guide 1.143 as it applies to mobile and temporary processing equipment.

The third paragraph of FSAR Subsection 11.2.1.2.5.2 was not intended to limit conformance to only Regulatory Guide 1.143 Table 1 and Position C.1.1.2. Several bulleted items currently contained in FSAR Subsection 11.2.1.2.5.2 demonstrate conformance with other applicable portions of RG 1.143.

In order to remove any ambiguity, FSAR Subsection 11.2.1.2.5.2 will be revised to clarify conformance with RG 1.143 as applicable to mobile and temporary equipment and to correct the grammar.

This response is expected to be STANDARD for the S-COLAs.

ASSOCIATED BLN COL APPLICATION REVISIONS:

COLA Part 2, FSAR Chapter 11, Subsection 11.2.1.2.5.2, third and fourth paragraphs, will be revised from:

Mobile or temporary equipment is designed in accordance with the codes and standards listed in Table 1 and Regulatory Position C.1.1.2 of Regulatory Guide 1.143.

Mobile or temporary equipment has the following features:

To read:

Mobile and temporary equipment are designed in accordance with the applicable mobile and temporary radwaste treatment systems guidance provided in Regulatory Guide 1.143, including the codes and standards listed in Table 1 of the Regulatory Guide.

Mobile and temporary equipment have the following features:

ATTACHMENTS/ENCLOSURES

None

Tennessee Valley Authority, 1101 Market Street, LP 5A, Chattanooga, Tennessee 37402-2801

July 28, 2008

10 CFR 52.79

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

In the Matter of)
Tennessee Valley Authority)

Docket No. 52-014 and 52-015

BELLEFONTE COMBINED LICENSE APPLICATION – RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION – TSUNAMI RELATED FLOODING

Reference: Letter from Joseph Sebrosky (NRC) to Andrea L. Sterdis (TVA), Request for Additional Information Letter No. 065 Related to SRP Section 02.04.06 for the Bellefonte Units 3 and 4 Combined License Application, dated July 3, 2008.

This letter provides the Tennessee Valley Authority's (TVA) response to the Nuclear Regulatory Commission's (NRC) request for additional information (RAI) items included in the reference letter.

A response to the NRC request in the subject letter is addressed in the enclosure which also identifies any associated changes that will be made in a future revision of the BLN application.

If you should have any questions, please contact Phillip Ray at 1101 Market Street, LP5A, Chattanooga, Tennessee 37402-2801, by telephone at (423) 751-7030, or via email at pmray@tva.gov.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on this 28th day of July, 2008.

Andrea L. Sterdis
Manager, New Nuclear Licensing and Industry Affairs
Nuclear Generation Development & Construction

Enclosure
cc: See Page 2

cc: (Enclosures)

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R . Grumbir, NuStart
P. S. Hastings, NuStart
P Hinnenkamp, Entergy
M.C. Kray, NuStart
D. Lindgren, Westinghouse
G. D. Miller, PG&N
M.C. Nolan, Duke Energy
N. T. Simms, Duke Energy
G. A. Zinke, NuStart

cc: (w/o Enclosure)

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B. Hughes/NRC/HQ
R. G. Joshi, NRC/HQ
R. H. Kitchen, PGN
M.C. Kray, NuStart
A. M. Monroe, SCE&G
C. R. Pierce, SNC
R. Reister, DOE/PM
L. Reyes, NRC/RII
T. Simms, NRC/HQ

Enclosure
TVA letter dated July 28, 2008
RAI Response

Responses to NRC Request for Additional Information letter No. 065 dated July 3, 2008
(2 pages, including this list)

Subject: Tsunami Related Flooding as described in the Final Safety Analysis Report

RAI Number	Date of TVA Response
02.04.06-1	This letter – see following pages

Associated Additional Attachments / Enclosures	Pages Included
None	

NRC Letter Dated: July 3, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 02.04.06-01

TVA should check for consistency in sections throughout the FSAR related to hillslope failure-generated tsunami-like waves and correct any inconsistencies that are found. This issue is associated with Attachment 5, item 36, of the May 13 -16, 2008, hydrology-related safety site trip report dated June 12, 2008 (ADAMS accession number ML081610308).

BLN RAI ID: 658

BLN RESPONSE

The FSAR was reviewed for consistency related to hillslope failure-generated tsunami-like waves discussion and descriptions. Geologic and seismic characteristics of the region are discussed in FSAR Section 2.5. As identified, small landslides do occur on the steeper slopes of River Ridge. However, the volume of landslide material is small such that potential landslide waves would be insignificant. As shown in FSAR Figure 2.5-229, the geology of the opposite bank is such that significant landslides would not occur, because of the sloping trend into the bank.

This response is PLANT SPECIFIC

ASSOCIATED BLN COL APPLICATION REVISIONS

1. COLA Part 2, FSAR Chapter 2, Subsection 2.4.2.2 will be revised from:

Flood waves from landslides into upstream reservoirs required no specific analysis, in part because of the absence of major elevation relief in nearby upstream reservoirs and because the prevailing thin soils offer small slide volume potential compared to the available detention space in reservoirs. Additional details are provided in Subsection 2.4.9.

To read:

Flood waves from landslides into upstream reservoirs required no specific analysis due to the small volume of available landslide material and regional geology. Additional details are provided in Subsection 2.4.9 and Section 2.5.

2. COLA Part 2, FSAR Chapter 2, Subsection 2.4.6 will be revised to add the following after the first paragraph:

Geologic and seismic characteristics of the region are discussed in FSAR Section 2.5. As identified, small landslides do occur on the steeper slopes of River Ridge. Because the volume of landslide material is small potential landslide waves would be insignificant. As shown in FSAR Figure 2.5-229, the geology of the opposite bank is such that significant landslides would not occur due to the sloping trend into the bank.

ASSOCIATED ATTACHMENTS/ENCLOSURES

None