

PMBelCOL PEmails

From: Brian Anderson
Sent: Tuesday, August 05, 2008 11:18 AM
To: PMBelCOL PEmails
Cc: Joseph Sebrosky; Brian Anderson
Subject: Conference Calls Summary - July 16 and 29, 2008 - TVA Bellefonte COLA - Draft RAI (e-RAI 498) related to Operating and Emergency Operating Procedures
Attachments: eRAI#498.doc

This e-mail is being re-sent. The original e-mail did not include the attachment.

From: Brian Anderson
Sent: Tuesday, August 05, 2008 11:09 AM
To: PMBelCOL PEmails
Cc: Joseph Sebrosky; Brian Anderson
Subject: Conference Calls Summary - July 16 and 29, 2008 - TVA Bellefonte COLA - Draft RAI (e-RAI 498) related to Operating and Emergency Operating Procedures

MEMORANDUM TO: File (Docket Numbers 52-014, 52-015, Bellefonte Units 3 and 4 COLA)

FROM: Brian Anderson
Office of New Reactors, Division of New Reactor Licensing
Project Manager, AP1000 Projects Branch 1

SUBJECT: Summary of Conference Calls with Applicant on July 16 and July 29, 2008

On July 16 and July 29, 2008, NRC staff participated in telephone conference calls with TVA representatives and observers (see list below) regarding the staff's detailed review of the Bellefonte Units 3 and 4 COLA. The purpose of these calls was to discuss a draft RAI (electronic-RAI (e-RAI) ID # 498) related to FSAR chapter 13. Following review by Office of General Counsel, TVA was provided a draft copy of e-RAI # 498 via e-mail on July 3.

On July 16, the conference call discussion focused on operating and emergency operating procedures, the quality assurance program description (QAPD) and chapter 13 of the Bellefonte COLA FSAR. During this conference call, the applicant stated that some questions in e-RAI # 498 were already answered in several locations of the COLA. In addition, the applicant stated that Technical Report 70 (TR-70) also addresses many of the questions in e-RAI # 498.

Following the July 16 conference call, the NRC staff reviewed sections 5, 6, 10, 11, and 12 in part II of the QAPD (contained in Part 11 of the Bellefonte COLA) and TR-70, "APP-GW-GLR-040, Revision I "Plant Operations, Surveillance, and Maintenance Procedures." After reviewing this information, NRC staff determined that some (but not all) questions in e-RAI # 498 were resolved, and as such, were no longer needed.

On July 29, NRC staff participated in a second telephone conference call with TVA representatives to discuss the remaining unresolved questions. At the conclusion of the July 29 conference call, the NRC staff informed TVA that the previously resolved questions in e-RAI # 498 would not be issued. The remaining (unresolved) questions would be issued after making editorial changes to improve clarity. Only slight wording modifications were made; the content and scope of these questions was not changed. However, in order to prevent any

confusion, the remaining questions were modified to improve clarity and issued as a separate RAI. This separate RAI (e-RAI # 934) was issued on August 5, 2008. Since all questions in e-RAI # 498 were either resolved or issued as a separate RAI, e-RAI # 498 was later deleted from the e-RAI system. A copy of e-RAI # 498 and its version history is attached to this e-mail.

The NRC attendees were:

Brian Anderson
Mark Lintz

TVA (applicant) attendees were:

Eddie Grant

Observers:

Fred Redwanz – NuStart
Tom Jablonski – NuStart
Hamer Carter – NuStart
Mike Simpson – NuStart
Amy Monroe – NuStart
Gary Becker – NuStart
Charles Levy – NuStart
Mark Williams – WEC
Sam Adams – WEC

Hearing Identifier: Bellefonte_COL_Public_EX
Email Number: 461

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Subject: Conference Calls Summary - July 16 and 29, 2008 - TVA Bellefonte COLA - Draft RAI (e-RAI 498) related to Operating and Emergency Operating Procedures
Sent Date: 8/5/2008 11:18:14 AM
Received Date: 8/5/2008 11:18:15 AM
From: Brian Anderson

Created By: Brian.Anderson@nrc.gov

Recipients:
"Joseph Sebrosky" <Joseph.Sebrosky@nrc.gov>
Tracking Status: None
"Brian Anderson" <Brian.Anderson@nrc.gov>
Tracking Status: None
"PMBelCOL PEmails" <PMBelCOL.PEmails@nrc.gov>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE eRAI#498.doc	3438 201722	8/5/2008 11:18:15 AM

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

Request for Additional Information No. 498 Revision 0
Bellefonte Units 3 and 4
TVA
Docket No. 52-014 and 52-015
SRP Section: 13.05.02.01 - Operating and Emergency Operating Procedures
Application Section: 13.5

QUESTIONS

13.05.02.01-***

NUREG-0800, Section 13.5.2.1, states that the SAR or other submittal should describe the different classifications of procedures the operators will use in the control room and locally in the plant for plant operations. The DCD, Section 13.5.1, states that applicants will address plant procedures including normal operation, abnormal operation, emergency operation, refueling and outage planning, alarm response, maintenance, inspection, test, and surveillance, administrative, and post-72-hour equipment operation. The FSAR, Section 13.5, describes administrative, radiation protection, chemistry, radioactive waste management, maintenance, and modification procedures.

Provide the remaining classifications of procedures that the operators will use, and identify which procedures will be used in the control room and which ones will be used locally.

13.05.02.01-***

NUREG-0800, Section 13.5.2.1, states that the group within the operating organization responsible for maintaining the procedures should be identified. The FSAR, Section 13.5, identified the group that developed maintenance, operations, fire protection, emergency preparedness, materials, security, corrective action, quality assurance, and radiation protection procedures.

Identify the groups responsible for maintaining all procedures.

13.05.02.01-***

NUREG-0800, Section 13.5.2.1, states that the general format and content of the different classifications of procedures should be described. The FSAR, Section 13.5, identifies the format of administrative, radiation protection, chemistry, radioactive waste management, maintenance, and modification procedures.

Describe the format and content of the remaining classifications of procedures.

13.05.02.01-***

NUREG-0800, Section 13.5.2.1, states that examples of classifications are system procedures, general plant procedures, off-normal (abnormal) condition procedures, emergency operating procedures, and alarm procedures. The DCD, Section 13.5.1, addresses abnormal condition procedures, emergency operating procedures, and alarm procedures.

Address system and general plant procedures, or justify their exclusion.

13.05.02.01-***

NUREG-0800, Section 13.5.2.1, states that the SAR or other submittal should describe the applicant's program for developing the operating procedures, and that the staff will review the applicant's program for development and implementation of the operating procedures. The DCD, Section 13.5.1, describes a process to manage the development, review, and approval of these procedures.

Describe the applicant's program for developing and implementing the operating procedures.

13.05.02.01-***

NUREG-0800, Section 13.5.2.1, states that the SAR or other submittal, e.g., the procedures generation package (PGP) should describe the applicant's program for developing EOPs as well as the required content of the EOPs, and that the staff will review the applicant's program for development and implementation of the EOPs. The DCD, Section 13.5.1, describes a process to manage the development, review, and approval of these procedures.

Describe the applicant's program for developing and implementing the EOPs.

13.05.02.01-***

NUREG-0800, Section 13.5.2.1, states that the procedure development program, as described in the PGP for EOPs, should be submitted to the NRC at least three months prior to the date the applicant plans to begin formal operator training on the EOPs.

Describe the applicant's schedule for development and submittal of the PGP.

13.05.02.01-***

NUREG-0800, Section 13.5.2.1, states that the PGP should include plant-specific technical guidelines (P-STGs). Explain whether the applicant plans to reference generic guidelines, and describe the applicant's schedule for development and submittal of the P-STGs, as well as how the P-STGs address the provisions of TMI Action Plan item I.C.1 (NUREG-0737 and Supplement 1 to NUREG-0737).

13.05.02.01-***

NUREG-0800, Section 13.5.2.1, states that the PGP should include a plant-specific writer's guide (P-SWG) that details the specific methods to be used by the applicant in preparing EOPs based on P-STGs. The FSAR incorporates the DCD by reference. DCD, Section 13.5.1, references several Westinghouse reports.

Describe the applicant's plans to develop and submit a P-SWG.

13.05.02.01-***

NUREG-0800, Section 13.5.2.1, states that the PGP should include a description of the program for verification and validation (V&V) of EOPs.

Describe the applicant's schedule for the development and submittal of the EOP V&V program.

13.05.02.01-***

NUREG-0800, Section 13.5.2.1, states that the PGP should include a description of the program for training operators on EOPs. Provide a description of the applicant's program for training operators on EOPs, or justify its exclusion.

13.05.02.01-***

FSAR, Section 13.5.1, states that procedure maintenance and control of procedure updates are performed in accordance with the QAPD, as discussed in the FSAR, Section 17.5, Quality Assurance Program Description. Describe the program for procedure maintenance and the control of procedure updates, or explain how FSAR Section 17.5 does so.

13.05.02.01-***

FSAR, Section 13.5.2.2.3, states that the QAPD, as discussed in Section 17.5, provides a description of procedural requirements for instrumentation calibration and testing. Provide a description of procedural requirements for instrumentation calibration and testing, or explain how FSAR Section 17.5 does so.

13.05.02.01-***

FSAR, Section 13.5.2.2.6.2, states that the QAPD, as discussed in Section 17.5, provides a description of procedural requirements for inspections. Provide a description of the procedural requirements for inspections, or explain how FSAR Section 17.5 does so.

13.05.02.01-***

FSAR, Section 13.5.2.2.7, states that the QAPD, as discussed in Section 17.5, provides a description of procedural requirements for material control. Provide a description of the procedural requirements for material control, or explain how FSAR Section 17.5 does so.

[RAI](#) > [RAIs](#) > [RAI 498](#) > [Version History](#)

Versions saved for RAI 498

All versions of this item are listed below with the new value of any changed properties.

[Delete All Versions](#)

No. ↓	Modified	Modified By
12.0	7/3/2008 10:14 AM	Patrick Moulding

Assigned To Joseph Sebrosky

State In Final Review

7/3/2008

Review
Start
Date
Current 7/4/2008
Review
Due Date

11.0 7/3/2008 10:14 AM Patrick Moulding

Assigned jms3@extest.nrc.gov
To E-Mail
Address
Addressee Joseph Sebrosky
Name
Person Patrick Moulding
Who Sent
Workflow

10.0 6/27/2008 5:14 PM Brian Anderson

Assigned Patrick Moulding
To

State In OGC
Review
Current 6/27/2008
Review
Start
Date
Current 7/1/2008
Review
Due Date

9.0 6/27/2008 5:14 PM Brian Anderson

Assigned pam3@extest.nrc.gov
To E-Mail
Address
Addressee Patrick Moulding
Name
Person Brian Anderson
Who Sent
Workflow

8.0 6/27/2008 5:05 PM Brian Anderson

OGC Patrick Moulding

Current 6/24/2008
Review
Due Date

7.0 6/23/2008 7:58 AM Michael Junge

Assigned Brian Anderson
To

State In Chapter
PM Review
Current Review Start Date 6/23/2008
Current Review Due Date 6/24/2008

6.0 6/23/2008 7:58 AM Michael Junge

Assigned To E-Mail Address bca1@extest.nrc.gov
Addressee Name Brian Anderson
Person Who Sent Michael Junge
Workflow

5.0 6/18/2008 11:13 AM Mark Lintz

Assigned To Michael Junge
State In TBC Review
Current Review Start Date 6/18/2008
Current Review Due Date 6/19/2008

4.0 6/18/2008 11:13 AM Mark Lintz

Assigned To E-Mail Address mxj2@extest.nrc.gov
Addressee Name Michael Junge
Person Who Sent Mark Lintz
Workflow

3.0 6/17/2008 3:36 PM System Account

2.0 6/17/2008 3:36 PM Mark Lintz

Title RAI 498
Technical Branch Reviewer Mark Lintz
Assigned To Mark Lintz
State Pending Review

Date
Current Review Due 6/22/2008
Date
Created By Whole NRCDOMAIN\mpl2
User Name
Created By E-Mail mpl2
Address
Prev_SRP 13.05.02.01 - Operating
and Emergency Operating
Procedures
Prev_Application_Title Bellefonte Units 3 and 4 -
Dockets 52-014 and 52-
015

1.0 6/17/2008 3:36 PM Mark Lintz

Title RAI
Applicant Name TVA
Application Title Bellefonte Units 3 and 4 - Dockets 52-014 and
52-015
Docket Number 52-014 and 52-015
SRP Section 13.05.02.01 - Operating and Emergency
Operating Procedures
Application Section 13.5
Revision # 0
Technical Branch Operating Licensing and Human Performance
Branch (AP1000/EPR Projects) (COLP)
Technical Branch Chief Michael Junge
Project Manager Joseph Sebrosky
Status Open
State New
Current Review Start Date 6/17/2008
Created By #VALUE!
E-Mail Address
Chapter PM Brian Anderson
(more...)