BellBendCOLPEm Resource

From: Canova, Michael
Sent: Monday, September 21, 2009 4:01 PM
To: 'Sgarro, Rocco R'; 'BBNPP@pplweb.com'; 'jennifer.mcqueeney@unistarnuclear.com'; Freels, James
Cc: BellBendCOL Resource; Vrahoretis, Susan; Colaccino, Joseph; Carneal, Jason; Haider, Syed; Jackson, Christopher; Snodderly, Michael
Subject: RE: Bell Bend COLA - Draft Request for Information No.s 53, 56, 57 (RAI No.53, 56, 57)-SPCV - 3622, 3623, 3624
Attachments: Letter 56 - RAI 3622 SPCV.doc; Letter 57 - RAI 3624 SPCV.doc; Letter 53 - RAI 3623 SPCV.doc

Attached is DRAFT RAI No.s **53, 56, and 57** for the Bell Bend COL Application. You have ten working days to review this request and to decide whether you need a conference call to discuss it. Please notify my of your decision in this regard.

After the call, or after ten days, the RAI will be finalized and sent to you. You will then have 30 days to respond. These durations are factored into your review schedule. If additional time is required to respond, please inform me of your proposed schedule to respond at your earliest opportunity.

If you have any questions, please contact me.

Michael A. Canova
Project Manager - Bell Bend COL Application
Docket 52-039
EPR Project Branch
Division of New Reactor Licensing
Office of New Reactors
301-415-0737

Hearing Identifier: BellBend_COL_Public
Email Number: 390

Mail Envelope Properties (77BCCD26C6050B42A72FE3939CF492ED01311E)

Subject: RE: Bell Bend COLA - Draft Request for Information No.s 53, 56, 57 (RAI No.53, 56, 57)- SPCV - 3622, 3623, 3624
Sent Date: 9/21/2009 4:01:08 PM
Received Date: 9/21/2009 4:01:10 PM
From: Canova, Michael

Created By: Michael.Canova@nrc.gov

Recipients:
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Tracking Status: None
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Post Office: HQCLSTR01.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	799	9/21/2009 4:01:10 PM
Letter 56 - RAI 3622 SPCV.doc	29690	
Letter 57 - RAI 3624 SPCV.doc	28154	
Letter 53 - RAI 3623 SPCV.doc	27130	

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

Request for Additional Information No. 56

DRAFT

9/21/2009

Bell Bend
PPL Bell Bend LLC.
Docket No. 52-039
SRP Section: 06.04 - Control Room Habitability System
Application Section: 6.4 Habitability Systems

QUESTIONS for Containment and Ventilation Branch 1 (AP1000/EPR Projects) (SPCV)

06.04-1

The level of detail provided in FSAR Section 6.4.3 is not adequate to determine if the regulatory requirements are met. Provide in the FSAR the essential elements of the training and procedures necessary to demonstrate that the regulatory requirements of general design criteria (GDC) 19 are met. Specifically, what will the operator be directed and trained to do to meet the recommendations in RG 1.196? The staff requests that in responding and revising the FSAR the applicant should demonstrate consistency with the following regulatory positions, or justify alternatives:

- **Regulatory Position C.5, "Emergency Planning" of Regulatory Guide 1.78**
- **Regulatory Position 2.5, "Hazardous Chemicals" of RG 1.196**
- **Regulatory Position 2.2.1, "Comparison of System Design, Configuration, and Operation with the Licensing Basis" of RG 1.196; and**
- **Regulatory Position 2.7.1 Periodic Evaluations and Maintenance of RG 1.196.**

Include a discussion of what operators will be directed to do when they smell toxic gas or are notified by external sources that there was a toxic gas release. Include a discussion of any arrangements that will be in placefor notifying the control room when a release has occurred.

Request for Additional Information No. 57

DRAFT

9/21/2009

Bell Bend
PPL Bell Bend LLC.
Docket No. 52-039
SRP Section: 06.04 - Control Room Habitability System
Application Section: 6.4 Habitability Systems

QUESTIONS for Containment and Ventilation Branch 1 (AP1000/EPR Projects) (SPCV)

06.04-3

10 CFR Part 50 App. A, General Design Criteria (GDC)19 requires that control rooms be maintained in safe condition under accident conditions, including loss of coolant accidents (LOCAs). This requirement applies to nearby units at a multi-unit site. In the case of the BBNPP, it needs to be established that a LOCA at Unit 1 and Unit 2 will not result in unsafe conditions in the BBNPP control room.

Provide a summary of the analysis that was performed to demonstrate the doses to the BBNPP operators will be below the regulatory limits for an accident at SSES. If the analyses conducted for the SSES control room are to be relied on, a summary should be provided in the BBNPP FSAR. Identify the differences between the BBNPP and the Units 1 and 2 control room designs and accident source term with respect to protection against radiation exposure. Explain what makes the BBNPP control room better designed and equipped for radiological exposure control and explain why the SSES results can be compared to BBNPP.

Request for Additional Information No. 53

DRAFT

9/21/2009

Bell Bend
PPL Bell Bend LLC.
Docket No. 52-039
SRP Section: 06.04 - Control Room Habitability System
Application Section: 6.4 Habitability Systems

QUESTIONS for Containment and Ventilation Branch 1 (AP1000/EPR Projects) (SPCV)

06.04-2

Remove the information on doses to the Susquehanna Steam Electric Station (SSES) control room operators from the Bell Bend Nuclear Power Plant (BBNPP) FSAR. Chapter 6.4 of the BBNPP should be devoted solely to the habitability of the BBNPP control room.