BellBendCOLPEm Resource

From: Canova, Michael
Sent: Thursday, July 30, 2009 12:40 PM
To: Sgarro, Rocco R; BBNPP@pplweb.com; jennifer.mcqueeney@unistarnuclear.com; Katie.Thurstin@unistarnuclear.com
Cc: Clark, Theresa; Mrowca, Lynn; Chowdhury, Prosanta; BellBendCOL Resource; Colaccino, Joseph
Subject: RE: Bell Bend COLA - Draft Request for Information No. 42 (RAI No. 42)- SPLA - 3106
Attachments: Letter 42 - RAI 3106 SPLA.DOC

The title line of this message has been corrected to carry the correct NRC internal reference number only. No other change has occurred.

Mike Canova

From: Canova, Michael
Sent: Thursday, July 30, 2009 12:33 PM
To: 'Sgarro, Rocco R'; 'BBNPP@pplweb.com'; 'jennifer.mcqueeney@unistarnuclear.com'; 'Katie.Thurstin@unistarnuclear.com'
Cc: Clark, Theresa; Mrowca, Lynn; Chowdhury, Prosanta; BellBendCOL Resource; Colaccino, Joseph
Subject: RE: Bell Bend COLA - Draft Request for Information No. 42 (RAI No. 42)- SPLA - 2604

Attachment provided

From: Canova, Michael
Sent: Thursday, July 30, 2009 12:29 PM
To: 'Sgarro, Rocco R'; 'BBNPP@pplweb.com'; 'jennifer.mcqueeney@unistarnuclear.com'; 'Katie.Thurstin@unistarnuclear.com'
Cc: Clark, Theresa; Mrowca, Lynn; Chowdhury, Prosanta; BellBendCOL Resource; Colaccino, Joseph
Subject: Bell Bend COLA - Draft Request for Information No. 42 (RAI No. 42)- SPLA - 2604

Attached is DRAFT RAI No. 42 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 me 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: 164

Mail Envelope Properties (D9892A42664D3D4690E88C2F48D7C08E20EBA231E6)

Subject: RE: Bell Bend COLA - Draft Request for Information No. 42 (RAI No. 42)- SPLA - 3106
Sent Date: 7/30/2009 12:40:19 PM
Received Date: 7/30/2009 12:40:21 PM
From: Canova, Michael

Created By: Michael.Canova@nrc.gov

Recipients:
"Clark, Theresa" <Theresa.Clark@nrc.gov>
Tracking Status: None
"Mrowca, Lynn" <Lynn.Mrowca@nrc.gov>
Tracking Status: None
"Chowdhury, Prosanta" <Prosanta.Chowdhury@nrc.gov>
Tracking Status: None
"BellBendCOL Resource" <BellBendCOL.Resource@nrc.gov>
Tracking Status: None
"Colaccino, Joseph" <Joseph.Colaccino@nrc.gov>
Tracking Status: None
"Sgarro, Rocco R" <rrsgarro@pplweb.com>
Tracking Status: None
"BBNPP@pplweb.com" <BBNPP@pplweb.com>
Tracking Status: None
"jennifer.mcqueeney@unistarnuclear.com" <jennifer.mcqueeney@unistarnuclear.com>
Tracking Status: None
"Katie.Thurstin@unistarnuclear.com" <Katie.Thurstin@unistarnuclear.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	1740	7/30/2009 12:40:21 PM
Letter 42 - RAI 3106 SPLA.DOC	28666	

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

Request for Additional Information No. 42

7/30/2009

Bell Bend
PPL Bell Bend LLC.
Docket No. 52-039
SRP Section: 19 - Probabilistic Risk Assessment and Severe Accident Evaluation
Application Section: 19.1.4.1

QUESTIONS for PRA Licensing, Operations Support and Maintenance Branch 1 (AP1000/EPR Projects) (SPLA)

19-20

(Follow-up to Question 19-2) The applicant's response to Question 19-2 (RAI 4; response dated June 5, 2009) provides additional information on the derivation of the failure frequency and probability for the circulating water system (CWS) and normal heat sink (NHS), represented by the undeveloped event “SUP UHS NS.” Based on the response, the undeveloped event has a failure frequency of 1E-2 per year and a failure probability of 2.8E-5 over a 24-hour mission time. Final Safety Analysis Report (FSAR) Section 10.4.5.2.1 indicates that the CWS has four 25-percent trains. The failure data provided in NUREG/CR-6928 indicates that the probability of a motor-driven pump failing to run over a 24-hour mission time may be as high as 1E-4. Therefore, the staff needs additional information to justify that the "SUP UHS NS" failure probability bounds all failures of the CWS and NHS.

a. Provide additional information regarding major assumptions about the system design, the number of failed trains that will cause an initiating event or failure of the mitigating function, and associated failure probabilities

b. Demonstrate that the failure probabilities of the plant-specific CWS and NHS are appropriately represented by the undeveloped event “SUP UHS NS.”