

## BellBendCOLPEm Resource

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**From:** Canova, Michael  
**Sent:** Friday, June 05, 2009 10:57 AM  
**To:** Sgarro, Rocco R; BBNPP@pplweb.com; jennifer.mcqueeney@unistarnuclear.com; Katie.Thurstin@unistarnuclear.com  
**Cc:** BellBendCOL Resource; Caverly, Jill; Raione, Richard  
**Subject:** Bell Bend COLA - Draft Request for Information No. 24 (RAI No. 24)- RHEB - 2854  
**Attachments:** Letter 24 - RAI 2854 RHEB.doc

Attached is DRAFT RAI No. 24 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  
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**Subject:** Bell Bend COLA - Draft Request for Information No. 24 (RAI No. 24)- RHEB - 2854  
**Sent Date:** 6/5/2009 10:56:40 AM  
**Received Date:** 6/5/2009 10:56:42 AM  
**From:** Canova, Michael  
**Created By:** Michael.Canova@nrc.gov

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**Post Office:** HQCLSTR01.nrc.gov

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Letter 24 - RAI 2854 RHEB.doc		28154

**Options**

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Request for Additional Information No. 24 Revision 0  
DRAFT  
6/2/2009

Bell Bend  
PPL Bell Bend LLC.  
Docket No. 52-039  
SRP Section: 02.04.09 - Channel Diversions  
Application Section: Chapter 2.4.9

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.09-1

In accordance with the requirements of 10 CFR 100.20(c)(2), and 10 CFR 52.79(a)(1)(iii), the staff reviewed the Final Safety Analysis Report (FSAR), Chapter 2.4.9, Channel Diversions. The staff's review requires information for the hydraulic design basis for channel diversions that may affect safety related structures.

Staff's review of the information for potential channel diversions indicates that additional information is needed to complete the review. The staff requests that the applicant provide references and the technical bases for the potential for landslides to occur along Walker Run and other tributaries. In addition, please provide additional information on the potential for the landslides to block channels and divert flood flows, and please evaluate the potential effects of blockages on water surface profiles. As discussed in RAI 2.4.3-1 (b), input and output files for any water surface profile models used to evaluate the effects of blockages should be provided