

## 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; Vrahoretis, Susan; Raione, Richard; Caverly, Jill  
**Subject:** Bell Bend COLA - Draft Request for Information No. 20 (RAI No. 20)- RHEB - 2855  
**Attachments:** Letter 20 - RAI 2855 RHEB.doc

Attached is DRAFT RAI No. 20 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:** 34

**Mail Envelope Properties** (D9892A42664D3D4690E88C2F48D7C08E1F33165226)

**Subject:** Bell Bend COLA - Draft Request for Information No. 20 (RAI No. 20)- RHEB - 2855  
**Sent Date:** 6/5/2009 10:56:30 AM  
**Received Date:** 6/5/2009 10:56:32 AM  
**From:** Canova, Michael

**Created By:** Michael.Canova@nrc.gov

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

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	786	6/5/2009 10:56:32 AM
Letter 20 - RAI 2855 RHEB.doc		27642

**Options**

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

Request for Additional Information No. 20 Revision 0  
DRAFT  
6/2/2009

Bell Bend  
PPL Bell Bend LLC.  
Docket No. 52-039  
SRP Section: 02.04.11 - Low Water Considerations  
Application Section: Chapter 2.4.11

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.11-2

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 2.4.11, Low Water Considerations. The staff's review requires a thorough description of all safety-related water supply requirements and the effects of the most severe low water event reasonably possible at or in the vicinity of the site.

The staff requests that the applicant provide the calculation package "Low Flow Recurrence Interval and Low Flow Statistics, BBNPP," dated March 31, 2008. Additionally, the staff requests additional details of calculations of the quantity of water adequate for a 30-day supply from the Essential Service Water Emergency Makeup System (ESWEMS) under conditions of maximum water loss caused by evaporation, seepage through the pond liner, loss of capacity due to ice formation, and combinations of these causes. Please include the calculation package by Black and Veatch, "ESWEMS Retention Pond Sizing, Project 161642", June 26, 2008.