

## BellBendCOLPEm Resource

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**From:** Canova, Michael  
**Sent:** Thursday, June 21, 2012 7:48 AM  
**To:** 'Sgarro, Rocco R'; 'melanie.Frailer@unistarnuclear.com'; Woodring, Kathryn L; Kirkwood, Jon K  
**Cc:** BellBendCOL Resource; Segala, John; Miernicki, Michael; Goldin, Laura; Jaffe, David; Karas, Rebecca; Robinson, Edward; Hernandez, Raul; Devlin, Stephanie; McKenna, Eileen; Williams, Kevin; Clark, Phyllis; Hearn, Peter  
**Subject:** Bell Bend COLA - FINAL Request for Information No. 118 6496, 6503, 6514  
**Attachments:** Final RAI Letter 118 - RGS2-6514 BPFP-6503 NSIR EP-6496.doc

Attached is RAI No. 118 for the Bell Bend COL Application. Per our discussions on 6/13/2012, we understand that you have no further questions on this RAI. [We request that you respond to the staff's final RAIs, or provide a schedule for your responses within 30 days.](#)

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

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**Received Date:** 6/21/2012 7:48:09 AM  
**From:** Canova, Michael

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

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**Options**

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Standard

**Return Notification:**

No

**Reply Requested:**

No

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Normal

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RAI Letter No. 118

Application Revision 3

6/21/2012

Bell Bend  
PPL Bell Bend LLC.  
Docket No. 52-039

QUESTION from Geosciences and Geotechnical Engineering Branch 2 (RGS2)  
Request for Additional Information No. 6514

SRP Section: 02.05.02 - Vibratory Ground Motion  
Application Section: 02.05.02

**Question 02.05.02-1**

This request for additional information (RAI) specifically addresses Recommendation 2.1, of the Fukushima Near-Term Task Force recommendations contained in SECY-12-0025 as it pertains to the seismic hazard evaluation. This recommendation specifies the use of NUREG-2115, "Central and Eastern United States Seismic Source Characterization for Nuclear Facilities," (CEUS-SSC) in a site probabilistic seismic hazard analysis (PSHA). Consistent with Recommendation 2.1, as well as the need to consider the latest available information in the (PSHA) for the Bell Bend Nuclear Power Plant planned reactor site, the NRC staff requests that PPL Bell Bend, LLC:

- a) Evaluate the potential impacts of the newly released CEUS-SSC model, with potential local and regional refinements as identified in the CEUS-SSC model, on the seismic hazard curves and the site-specific ground motion response spectra (GMRS)/foundation input response spectra (FIRS). For re-calculation of the PSHA, please follow either the cumulative absolute velocity (CAV) filter or minimum magnitude specifications outlined in Attachment 1 to Seismic Enclosure 1 of the March 12, 2012 letter "Request for information pursuant to Title 10 of the *Code of Federal Regulations* 50.54(f) regarding Recommendations 2.1, 2.3, and 9.3, of the near-term task force review of insights from the Fukushima Dai-Ichi accident." (ML12053A340).
- b) Modify the site-specific GMRS and FIRS if you determine changes are necessary given the evaluation performed in part a) above.

QUESTION from Balance of Plant & Fire Protection Branch (BPFP)  
Request for Additional Information No. 6503

SRP Section: 09.01.03 - Spent Fuel Pool Cooling and Cleanup System  
Application Section: 9.1.3

**Question 09.01.03-1**

Related to Fukushima Task Force Recommendation 7.1

Provide sufficient reliable instrumentation, able to withstand design-basis natural phenomena, to monitor spent fuel pool water level, as described in Attachment 3 to Order EA-12-051 (ML12054A679).

QUESTION from Licensing and Inspection Branch (NSIR/DPR/LIB) (EP)  
Request for Additional Information No. 6496

SRP Section: 13.03 - Emergency Planning  
Application Section: Part 5: Emergency Plan

**Question 13.03-52**

Related to Fukushima Task Force Recommendation 9.3

The NRC staff requests that you address provisions for enhancing emergency preparedness as it relates to staffing and communications associated with Recommendation 9.3 outlined in Enclosure 5 of the March 12, 2012 letter "Request for information pursuant to Title 10 of the *Code of Federal Regulations* 50.54(f) regarding Recommendations 2.1, 2.3, and 9.3, of the near-term task force review of insights from the Fukushima Dai-Ichi accident." (ML12053A340).