

## BellBendEnveRAIPEm Resource

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**From:** Quinn-Willingham, Laura  
**Sent:** Thursday, September 06, 2012 9:32 AM  
**To:** 'Sgarro, Rocco R'  
**Cc:** Mcdowell, Bruce K; 'Leigh, Kimberly D'; Hsia, Anthony; Goldin, Laura; Palmrose, Donald; Tim Lynch (tim.lynch@pnnl.gov); Hickey, Eva E; BellBendEnveRAIPEm Resource  
**Subject:** Bell Bend Final RAIs for Radiological Health (1 of 2)  
**Attachments:** ENV-10 RAI\_6777\_RHH\_1\_1\_.pdf

Please find attached RAI Env-10 for the Bell Bend COL application. The ENV-10 RAI is an aggregate of the draft radiological health RAIs (RHH-1 and RHH-11) that were provided to you on August 13, 2012 as part of a complete table of draft RAIs. There was no request for a clarification discussion of these draft RAIs. RHH-11 was revised to clarify what the staff is requesting. No other changes are necessary; hence we are issuing this RAI as final.

The schedule we have established to the review of your application assumes technically correct and complete responses within 30 calendar days of receipt of RAIs. For any RAIs that cannot be responded to within 30 calendar days, it is expected that a date for receipt of this information will be provided to the staff within the 30-day period so that the staff can assess how this information might impact the schedule.

Please contact me if you have any questions.

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**Subject:** Bell Bend Final RAIs for Radiological Health (1 of 2)  
**Sent Date:** 9/6/2012 9:32:26 AM  
**Received Date:** 9/6/2012 9:32:27 AM  
**From:** Quinn-Willingham, Laura

**Created By:** Laura.Quinn-Willingham@nrc.gov

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**Request for Additional Information ENV-10**

Issue Date: 9/5/2012

Application Title: Bell Bend Environmental Review Docket Number 52-039

Operating Company: PPL Bell Bend LLC.

Docket No. 52-039

Review Section: EIS 4.9 - Radiological Health Impacts

Application Section: Part 3 - Environmental Report

**QUESTIONS**

**EIS 4.9-4**

Update ER Section 4.5 based on the commitment made to formally update the construction worker doses in the response to Bell Bend FSAR RAI 116 as stated in BNP-2012-189. Make available for NRC review the calculation package(s) used to generate the revised doses to construction workers.

**Supplemental Information:**

ESRP Section 4.5 directs the staff's analysis and assessment of potential radiological impacts on the proposed project construction work force and the scope should include an analysis and evaluation of the radiological impact of operating nuclear power reactors or other nuclear installations associated with the nuclear fuel cycle process adjacent to the proposed plant site.

The current calculations in ER Section 4.5 are based on SSES effluent data through 2006. More recent SSES effluent data, waste activity, and spent fuel inventories are available. This will reflect the impact from the 13% SSES power uprate for units 1 & 2 beginning in 2008.

This was Info Need RHH-1 in the draft RAI table.

**Acceptance Criteria:**

ESRP Section 4.5; 10 CFR 20.1301, 10 CFR 20.1302, and 10 CFR 50 Appendix I

**EIS 4.9-5**

Provide the assumptions, input and output data, and the calculation packages, used to estimate the dose to construction workers assuming a full ISFSI in response to eRAI 6473 (ML12215A070). Provide the calculation package(s) for NRC review.

**Supplemental Information:**

ESRP Section 4.5 directs the staff's analysis and assessment of potential radiological impacts on the proposed project construction work force and the scope should include an analysis and evaluation of the radiological impact of operating nuclear power reactors or other nuclear installations associated with the nuclear fuel cycle process adjacent to the proposed plant site.

NRC has requested for PPL to provide updated or bounding dose estimates for construction workers per eRAI 6473 (ML12215A070). PPL indicated verbally in a phone call that they intend to assume a full ISFSI for the updated calculations.

This was Info Need RHH-11 in the draft RAI table and was a new Info Need from the site audit.

**Acceptance Criteria:**

ESRP Section 4.5; 10 CFR 20.1301, 10 CFR 20.1302, 10 CFR 50 Appendix I