

BellBendEnveRAIPEm Resource

From: Quinn-Willingham, Laura
Sent: Friday, August 31, 2012 12:57 PM
To: Sgarro, Rocco R
Cc: Hsia, Anthony; Mcdowell, Bruce K; Leigh, Kimberly D; Palmrose, Donald; armarchese@aol.com; jeremy.rishel@pnnl.gov; Goldin, Laura; BellBendEnveRAIPEm Resource
Subject: Bell Bend Final RAIs for Accidents
Attachments: ENV-01 RAI_6693.pdf

Please find attached RAI Env-01 for the Bell Bend COL application. The ENV-01 RAI is an aggregate of the draft accident RAIs (ACC-5 and ACC-14) that were provided to you on August 13, 2012 as part of a complete table of draft RAIs. There were no requests for a clarification discussion of these draft RAIs. 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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Request for Additional Information ENV-01

Issue Date: 8/31/2012

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

Operating Company: PPL Bell Bend LLC.

Docket No. 52-039

Review Section: EIS 5.11 - Environmental Impacts of Postulated Accidents

Application Section: Part 3: Environmental Report

QUESTIONS

EIS 5.11-15

Provide in the Bell Bend COL environmental report (ER) an updated site-specific SAMDA averted cost using replacement power costs based on the expected capacity factor for the U.S. EPR reactor design.

Supporting Information:

ESRP Section 7.3 directs the staff to evaluate and independently confirm an applicant's severe accident mitigation design alternatives (SAMDA) analysis presented in the ER Section 7.3 that applies design and site specific information based on the guidance provided in NUREG/BR-0184. In response to SAMDA questions at the site audit, PPL provided in BNP-2012-167 (dated July 12, 2012 ML12214A589) the results of a sensitivity analysis to show there would not be any cost-benefit SAMDA even by using a 95% plant capacity factor, rather than 60% (the capacity factor that is the basis in NUREG/BR-0184).

However, PPL concludes in BNP-2012-167 that "[n]o change is required to the BBNPP COLA as a result of this response."

Therefore, the staff is requesting that PPL update the BBNPP ER with the results that are summarized in BNP-2012-167.

This was Info Need ACC-5.

Acceptance Criteria:

ESRP 7.2 and 7.3; 10 CFR 51.45 and 51.50(c)

EIS 5.11-16

For the population distribution applied in ER Section 7.2, Severe Accidents, justify the application of 2000 U.S. Census data rather than the available 2010 U.S. Census data for determining the 2050 population distribution within 50-mi of the BBNPP site.

Supporting Information:

ESRP Section 7.2 directs the staff to evaluate and independently confirm severe accident risks and analyses presented in the ER. ER Section 7.2 presents severe accident population dose risks for the U.S. EPR reactor design being considered for the Bell Bend site based on "projected" 2010 Population Distribution. However, actual 2010 U.S. Census data is available for use for the 50-mi population distribution for input in the severe accident analysis. The staff request PPL document the basis for continuing to rely on 2000 U.S. Census data rather than updating the population distribution by applying 2010 U.S. Census data.

This was Info Need ACC-14.

Acceptance Criteria:

ESRP 7.1, 7.2, and 7.3; 10 CFR 50.34, 51.45, 51.50(c), and 52.79