

R. R. Sgarro
Manager-Nuclear Regulatory Affairs

PPL Bell Bend, LLC
38 Bomboy Lane, Suite 2
Berwick, PA 18603
Tel. 570.802.8102 FAX 570.802.8119
rrsgarro@pplweb.com



July 16, 2009

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

**BELL BEND NUCLEAR POWER PLANT
RESPONSE TO RAI SET NO. 27 AND RAI SET NO. 28
BNP-2009-153 Docket No. 52-039**

- References:
- 1) M. Canova (NRC) to R. Sgarro (PPL Bell Bend, LLC), Bell Bend COLA – Request for Information No. 27 (RAI No. 27) – SRSB-1969, email dated July 10, 2009
 - 2) M. Canova (NRC) to R. Sgarro (PPL Bell Bend, LLC), Bell Bend COLA – Request for Information No. 28 (RAI No. 28) – SRSB-1970, email dated July 10, 2009

The purpose of this letter is to respond to the request for additional information (RAI) identified in the referenced NRC correspondence to PPL Bell Bend, LLC (PPL). These RAIs address New and Spent Fuel Storage as discussed in Sections 9.1.1 and 9.1.2 of the Final Safety Analysis Report (FSAR), as submitted in Part 2 of the Bell Bend Nuclear Power Plant Combined License Application (COLA).

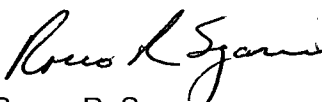
The enclosure provides our response to RAI No. 27 and RAI No. 28. There are no new regulatory commitments.

If you have any questions, please contact the undersigned at 570.802.8102.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on July 16, 2009

Respectfully,


Rocco R. Sgarro

Enclosure: As stated

RRS/cw

DOT9
HRO

cc: (w/o Enclosures)

Mr. Samuel J. Collins
Regional Administrator
U.S. Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, PA 19406-1415

Mr. Michael Canova
Project Manager
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

Enclosure 1

Response to NRC Request for Additional Information Sets No. 27 and 28
Bell Bend Nuclear Power Plant

RAI Set 27

Question 09.01.01-1

Section 9.1.1.3 of the applicant's FSAR references Section 9.1.1.3 of the U.S. EPR FSAR and states that: "[t]he design and analyses for the new and spent fuel storage racks will be incorporated into a future revision, which will incorporate additional analyses to bound the site-specific conditions at BBNPP." Confirm whether the applicant intends to submit a site-specific design and analysis, and the time frame for that submission, or whether the applicant intends to incorporate by reference the standard design and analysis which was added to the U.S. EPR docket in the fall of 2008 (ML090980354).

Response:

The Holtec Topical Report UN-TR-08-001(P), "Spent and New Fuel Storage Analysis for U.S. EPR" dated March 2008 was initially submitted as part of the Calvert Cliffs Unit 3 COL Application (Docket 52-016) on March 14, 2008 (UniStar Letter UN#08-005). The Topical Report was presented as a preliminary topical report and not as generic design applicable to all U.S. EPR sites.

AREVA has been issued an RAI for the U.S. EPR (RAI No. 204, Supplement 1, dated 3/19/09) relative to the spent fuel and new fuel storage systems that "...requests AREVA to submit a Technical Report that captures the following items:

- (a) The technical report should be generic to the EPR design and not site-specific
- (b) All analyses presented in the report must be final and reviewed by AREVA following QA procedures instead of preliminary as currently stated
- (c) Responses to RAIs previously submitted should be incorporated as necessary

In addition to revising the technical report, AREVA should similarly revise Section 9.1.1 of the EPR FSAR. In particular, this section should present high level discussion addressing how the AREVA spent fuel pool design satisfies each of the areas or review listed in SRP Section 9.1.1."

AREVA has indicated that they will provide a generic response to the Staff by November 20, 2009.

PPL intends to incorporate by reference the spent fuel design and analyses in the related sections of the BBNPP COLA when the U.S. EPR FSAR is revised to include the above information.

COLA Impact:

No changes to the FSAR are necessary.

RAI Set 28

Question 09.01.02-1

Section 9.1.2.3 discusses a design and analysis for the spent fuel storage and handling to be incorporated into a future revision of the COL application. Confirm whether it is the COL applicant's intention to submit a site-specific design and analysis, or to incorporate by reference the standard design and analysis that was added to the U.S. EPR docket in the fall of 2008 (ML090980354).

Response:

The Holtec Topical Report UN-TR-08-001(P), "Spent and New Fuel Storage Analysis for U.S. EPR" dated March 2008 was initially submitted as part of the Calvert Cliffs Unit 3 COL Application (Docket 52-016) on March 14, 2008 (UniStar Letter UN#08-005). The Topical Report was presented as a preliminary topical report and not as generic design applicable to all U.S. EPR sites.

AREVA has been issued an RAI for the U.S. EPR (RAI No. 204, Supplement 1, dated 3/19/09) relative to the spent fuel and new fuel storage systems that "...requests AREVA to submit a Technical Report that captures the following items:

- (a) The technical report should be generic to the EPR design and not site-specific
- (b) All analyses presented in the report must be final and reviewed by AREVA following QA procedures instead of preliminary as currently stated
- (c) Responses to RAIs previously submitted should be incorporated as necessary

In addition to revising the technical report, AREVA should similarly revise Section 9.1.1 of the EPR FSAR. In particular, this section should present high level discussion addressing how the AREVA spent fuel pool design satisfies each of the areas or review listed in SRP Section 9.1.1."

AREVA has indicated that they will provide a generic response to the Staff by November 20, 2009.

PPL intends to incorporate by reference the spent fuel design and analyses in the related sections of the BBNPP COLA when the U.S. EPR FSAR is revised to include the above information.

COLA Impact:

No changes to the FSAR are necessary.