

R. R. Sgarro
Manager-Nuclear Regulatory Affairs

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



February 17, 2010

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

**BELL BEND NUCLEAR POWER PLANT
RESPONSE TO RAI No. 83
BNP-2010-023 Docket No. 52-039**

References: 1) M. Canova (NRC) to R. Sgarro (PPL Bell Bend, LLC), Bell Bend COLA – Request for Information No. 83 (RAI No. 83) – EEB-3985, e-mail dated January 25, 2010

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). This RAI addresses Human Performance Monitoring as discussed in Chapter 18 of the Final Safety Analysis Report (FSAR) and submitted in Part 2 of the Bell Bend Nuclear Power Plant (BBNPP) Combined License Application (COLA).

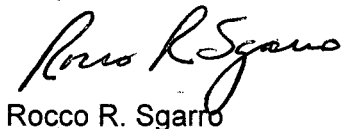
Enclosure 1 provides the response to RAI Question 18-1. There are no new regulatory commitments contained in this letter.

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 February 17, 2010

Respectfully,


Rocco R. Sgarro

RRS/kw

Enclosure: As stated

D079
NRO

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
11545 Rockville Pike Mail Stop T6-E55M
Rockville, MD 20852

Enclosure 1

Response to NRC Request for Additional Information No. 83
Bell Bend Nuclear Power Plant

Question 18-1:

Section 18.12 of the FSAR, "Human Performance Monitoring," states that "this section of the U.S. EPR is incorporated by reference with the following supplements....{PPL Bell Bend, LLC} shall implement a Human Performance Monitoring (HPM) Program similar to the one described in Section 18.12 of the U.S. EPR FSAR, Revision 1.

Explain what is meant by a "similar program" and provide specific details for the HPM program.

Response:

This RAI question is based on BBNPP COLA Revision 1. The BBNPP COLA has been modified in Revision 2 to revise sections related to the Human Performance Monitoring (HPM) Program. These changes include revisions to the FSAR and ITAAC as follows:

- The BBNPP FSAR and ITAAC have been revised to remove the language related to a "similar program" and provide additional clarity for the HPM Program.
 - FSAR Section 18.12 has been revised to eliminate the supplemental information reference and implement a HPM Program consistent with that described in the U.S. EPR FSAR Chapter 18
 - The ITAAC for COL Item 18.12-1 has been revised to reflect the same wording as now found in FSAR 18.12

The details of the HPM program are located in the U.S. EPR FSAR Section 18.12.

COLA Impact:

The BBNPP FSAR, Revision 2 has been revised as follows:

18.12 Human Performance Monitoring

~~This section of the U.S. EPR FSAR is incorporated by reference with the following supplements.~~

The U.S. EPR FSAR includes the following COL Item in Section 18.12:

A COL applicant that references the U.S. EPR design certification will implement an HPM program similar to that which is described in this section.

This COL Item is addressed as follows:

{PPL Bell Bend, LLC} shall implement a Human Performance Monitoring (HPM) Program similar to the one as described in Section 18.12 of the U.S. EPR FSAR.}

The BBNPP COLA, Revision 2, Part 10 – ITAAC, has been revised as follows:

COL Item 18.12-1 in Section 18.12

Prior to initial fuel load, {PPL Bell Bend, LLC} shall implement a Human Performance Monitoring Program ~~similar~~ consistent to the one described in FSAR Section 18.12 of the U.S. ~~EPR~~ FSAR.

No further COLA changes are required as a result of this response.