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February 16, 2010

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

**BELL BEND NUCLEAR POWER PLANT
RESPONSE TO RAI No. 80
BNP-2010-030 Docket No. 52-039**

References: 1) M. Canova (NRC) to R. Sgarro (PPL Bell Bend, LLC), Bell Bend COLA – Request for Information No. 80 (RAI No. 80) –3477 NSIR/DSP/RSRLB, e-mail dated February 3, 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 Physical Security as discussed in Chapter 13 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 13.06-1. 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 16, 2010

Respectfully,

A handwritten signature in black ink that reads "Rocco R. Sgarro". The signature is written in a cursive style.

Rocco R. Sgarro

RRS/kw

Enclosure: As stated

DO79
NRD

cc: (w/o Enclosures)

Mr. Samuel J. Collins
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Enclosure 1

Response to NRC Request for Additional Information No. 80
Bell Bend Nuclear Power Plant

Question 13.06-1:

Under 10 CFR 52.79(a)(44), the Applicant's FSAR must contain a description of the fitness-for-duty (FFD) program required by 10 CFR Part 26 and its implementation. How does the Applicant intend to update its FFD program for the construction phase?

NEI 06-06 provides examples of the FFD program that is required and, if this guidance is endorsed by the NRC, will provide an acceptable method of complying with the NRC's regulations. If the NRC endorses NEI 06-06, does the Applicant intend to update its FFD program for the construction phase to comply with NEI 06-06?

When responding to this question, please address the latest revisions to NEI 06-06 and include any clarifications, additions, and exceptions in these revisions, as necessary.

Response:

The BBNPP FSAR was previously revised to update the Fitness-for-Duty (FFD) program reference to the new NEI guidance provided in NEI 06-06, Revision 5. BBNPP FSAR Section 13.7, Revision 2 identifies that the construction phase FFD program implementation is consistent with NEI 06-06, Revision 5, which was issued in August 2009.

PPL Bell Bend, LLC recognizes that NEI 06-06, Revision 5 is currently under NRC review. Once NEI 06-06, Revision 5 is endorsed by the NRC staff, PPL Bell Bend, LLC will meet the requirements set forth without exception, additions or clarifications in the endorsed NEI 06-06.

NEI 06-06, Revision 5 provides implementation guidance consistent with the 10 CFR 26 regulations related to Fitness for Duty programs. The construction phase program will be implemented prior to on-site construction of safety-related or security-related structures, systems or components as identified in FSAR Table 13.4-1 of the BBNPP FSAR.

COLA Impact:

The BBNPP FSAR will not be revised as a result of the response to this RAI.