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February 12, 2010

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

ATTN: Michael R. Johnson, Director
Office of New Reactors

**BELL BEND NUCLEAR POWER PLANT
SUBMITTAL OF BELL BEND COLA,
REVISION 2
BNP-2010-040 Docket No. 52-039**

- References:
- 1) BNP-2009-035, Rocco R. Sgarro (PPL Bell Bend, LLC) to U.S. Nuclear Regulatory Commission, "Bell Bend Nuclear Power Plant Submittal of Bell Bend COLA, Revision 1", dated February 27, 2009.
 - 2) Sandra Sloan (AREVA NP Inc.) to Document Control Desk (NRC) 'Submittal of Revision 1 of the U.S. EPR Final Safety Analysis Report for Design Certification, NRC:09:064,' dated May 29, 2009.

In Reference 1, PPL Bell Bend, LLC (PPL) submitted to the U.S. Nuclear Regulatory Commission (NRC) Revision 1 to the Combined License Application (COLA) for the Bell Bend Nuclear Power Plant (BBNPP). This revised application was for an AREVA NP U.S. Evolutionary Power Reactor (U.S. EPR) to be located in Luzerne County, Pennsylvania.

Revision 2 of the BBNPP COLA incorporates the changes resulting from Revision 1 of the U.S. EPR FSAR (Reference 2) and PPL responses to NRC Requests for Additional Information submitted to the NRC through September 1, 2009. A summary of these changes is provided in Enclosure 1. One exception relates to Post Accident Monitoring (PAM) Instrumentation Technical Specifications, which remains under discussion between NRC and the EPR DCWG. The proposed resolution will be provided in a future BBNPP COLA revision.

This COLA revision contains no Restricted Data or other defense information requiring separation in accordance with 10 CFR 50.33(j). Part 9 of this application contains certain financial and security-related information that PPL is requesting the NRC to withhold from public disclosure in accordance with the requirements of 10 CFR 2.390. An appropriate affidavit (Enclosure 4) is included with this letter supporting proprietary treatment of PPL financial information pursuant to 10 CFR 2.390(b).

A set of revised application documents is provided in electronic file format on the two enclosed disks (Enclosures 2 and 3). Enclosure 2 contains a publicly available version of the COLA revision with the information requested to be withheld from public disclosure redacted; Enclosure 3 contains the COLA revision with the information requested to be withheld from public disclosure included in Part 9. The enclosed set of disks is a black revision line version of the COLA. These disks supersede those previously submitted as Revision 1 (Reference 1).

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Appropriate pre-submission checks have been successfully performed on the files for both disks to ensure compliance with the guidelines provided on the NRC website and they have been found acceptable for electronic submittal. Each disk includes a "packing slip" describing its contents, pursuant to NRC instructions for electronic filing.

This submittal contains PDF files, one or more of which contains hyperlinks to other files or to the Internet. These hyperlinks are either inoperable or are not essential to the use of the filing. Any material referenced by hyperlinks to the Internet that was essential for use of this filing has been submitted as part of the filing. Any material referenced by a hyperlink to another PDF that was essential for the use of this filing has either been included by reference or submitted as part of this filing.

If you have any questions or need additional information, please contact the undersigned at 570.802.8102.

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

Executed on February 12, 2010.

Respectfully,



Rocco R. Sgarro

RRS/kw

- Enclosure 1: Summary of BBNPP COLA Revision 2 Changes
- Enclosure 2: Bell Bend Nuclear Power Plant COLA Revision 2 DVD (Public Version)
- Enclosure 3: Bell Bend Nuclear Power Plant COLA Revision 2 DVD (Non-Public Version)
- Enclosure 4: Affidavit

cc: (w/o Enclosures)

Mr. Samuel J. Collins
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Enclosure 1

Summary of BBNPP COLA Revision 2 Changes

Summary of BBNPP COLA Revision 2 Changes

The format of the BBNPP COLA has been modified to match the template used in the U.S. EPR design center. This change makes the page headers and footers consistent.

- Part 1, General Information: No changes.
- Part 2, FSAR: BBNPP FSAR was updated to include changes from the U.S. EPR FSAR, Revision 1. Additional changes include:
- Incorporating previously submitted responses to Requests for Additional Information
 - Making editorial corrections (various)
- Part 3, Environmental Report: Changes to the ER include:
- Incorporating previously submitted responses to Requests for Additional Information
 - Making editorial corrections (various)
- Part 4, Technical Specifications: BBNPP Technical Specifications were updated to include changes from the U.S. EPR FSAR, Revision 1. Additional changes include:
- Incorporating previously submitted responses to Requests for Additional Information
 - Making editorial corrections (various)
- Part 5, Emergency Plan: Changes include:
- Attachments A, B and C relating to Emergency Action Levels (EALs) were deleted.
 - Incorporating previously submitted responses to Requests for Additional Information
 - Making editorial corrections (various)
- Part 6, LWA: No changes.
- Part 7, Departures and Exemptions: BBNPP COLA Part 7 was updated to include changes from the U.S. EPR FSAR, Revision 1. Additional changes include:
- Incorporating previously submitted responses to Requests for Additional Information
 - Deleted exemptions for use of the 2004 ASME Code and a dedicated containment penetration
 - Making editorial corrections (various)
- Part 8, Security Plan: No changes.
- Part 9, Proprietary and SUNSI: Figure 2.1-27 - EAB Area and Land Owners, was added.

Summary of BBNPP COLA Revision 2 Changes

Part 10, ITAAC:

BBNPP COLA Part 10 was updated to include changes from the U.S. EPR FSAR, Revision 1. Additional changes include:

- Added COL Items and responses
- Incorporating previously submitted responses to Requests for Additional Information.
- Making editorial corrections (various)

Part 11:

Changes include:

- Quality Assurance Plan Revision
- Updating references to NEI Documents
- Updating references for the U.S. EPR FSAR, Revision 1
- Updated Impingement and Entrainment Sampling Study in Part 11K, Aquatic Ecology

Enclosure 2

Bell Bend Nuclear Power Plant COLA Revision 2 DVD (Public Version)

Enclosure 3

Bell Bend Nuclear Power Plant COLA Revision 2 DVD (Non-Public Version)

Enclosure 4

Affidavit

AFFIDAVIT OF ROCCO R. SGARRO

COMMONWEALTH OF PENNSYLVANIA)

) ss

COUNTY OF LEHIGH)

I, Rocco R. Sgarro, Manager, Nuclear Regulatory Affairs, PPL Bell Bend, LLC, do hereby affirm and state:

- 1) I am authorized to execute this affidavit on behalf of PPL Bell Bend, LLC. I am further authorized to review information submitted to the Nuclear Regulatory Commission (NRC) and apply for the withholding of information from disclosure. I am making this affidavit in conformance with the provisions of the NRC's regulations at 10 CFR 2.390 and in support of PPL Bell Bend, LLC's request for proprietary treatment of certain financial information.
- 2) I have knowledge of the criteria used by PPL Bell Bend, LLC in designating information as sensitive, proprietary, or confidential.
- 3) Pursuant to the provision of paragraph (a)(4) of 10 CFR 2.390, the following is furnished for consideration by the NRC in determining whether the information sought to be withheld from public disclosure should be withheld.
 - a. The information sought to be withheld from public disclosure is owned by PPL Bell Bend, LLC, its affiliates or third parties to whom PPL Bell Bend has an obligation to maintain its confidentiality and has been held in confidence by PPL Bell Bend, LLC.
 - b. The information sought to be protected is not available to the public to the best of my knowledge and belief.
 - c. The information is of the type that would customarily be held in confidence by PPL Bell Bend, LLC. The information that PPL Bell Bend, LLC is requesting to be withheld from public disclosure is PPL Bell Bend, LLC's cost projections for construction, fuel supply, and operating costs for the Bell Bend Nuclear Power Plant. PPL Bell Bend, LLC limits access to these cost projections to those with a "need to know" subject to maintaining confidentiality. Public disclosure of these cost projections is likely to harm PPL Bell Bend, LLC because it would allow other contractors, vendors, and competitors to understand PPL Bell Bend, LLC's competitive expectations and position prior to securing necessary contracts and services at competitive prices.
 - d. The proprietary information sought to be withheld from public disclosure is identified in Part 9 of the COL application revision and is marked as proprietary as it appears in the application.
 - e. The information is transmitted to the NRC in confidence and under the provisions of 10 CFR 2.390; it is to be received in confidence by the NRC.

Rocco R. Sgarro, being duly sworn, states that he is Manager, Nuclear Regulatory Affairs, PPL Bell Bend, LLC, that he is authorized on the part of said Company to sign and file with the U. S. Nuclear Regulatory Commission this revision to the combined license application for the Bell Bend Nuclear Power Plant, and that all the matter and facts set forth herein are true and correct to the best of his knowledge.



Rocco R. Sgarro
Manager, Nuclear Regulatory Affairs
PPL Bell Bend, LLC

Subscribed and sworn to before me, a Notary Public, in and for the county and Commonwealth above named, this 12th day of February, 2010.



Notary Public in and for Commonwealth of Pennsylvania

My Commission Expires: 9/29/2011

