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August 12, 2009

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

BELL BEND NUCLEAR POWER PLANT
RESPONSE TO RAI SET 35
BNP-2009-186 Docket No. 52-039

References: 1) M. Canova (NRC) to R. Sgarro (PPL Bell Bend, LLC), Bell Bend COLA – Request for Information No. 35 (RAI No. 35) – EEB - 2766, email dated July 27, 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. This RAI addresses Environmental Qualification of Mechanical and Electrical Equipment, as discussed in Section 3.11 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. 35, Questions 03.11-2 and 03.11-3, which include revised COLA content. A Licensing Basis Document Change Request has been initiated to incorporate this change in a future revision of the COLA. This future revision of the COLA is the only new regulatory commitment.

Should you have 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 August 12, 2009

Respectfully,

Rocco R. Sgarro

RRS/kw

Enclosure: As stated

D079
NRO

cc: (w/o Enclosures)

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Enclosure 1

Response to NRC Request for Additional Information Set No. 35
Bell Bend Nuclear Power Plant

RAI Set No. 35

Question 03.11-2

Section 3.11 of FSAR Rev.1:

10 CFR 50.49(j) states that "A record of the qualification ...must be maintained in an auditable form ..." Please describe how the records shall be maintained in an auditable form so that the documents are readily accessible for audit. Make appropriate changes to the FSAR regarding record retention under 10 CFR 50.49(j).

Response

In accordance with 10 CFR 50.49, a program for qualifying electric equipment that is important to safety (as defined in 10 CFR 50.49(b)) will be established. This program will include developing a list of all electric equipment that is covered by the electric qualifying program. In addition, a record of qualification for each applicable electric equipment type will be developed and maintained. This list will contain, at a minimum, the following information on each component:

(1) The performance specifications under conditions existing during and following design basis accidents.
(2) The voltage, frequency, load, and other electrical characteristics for which the performance specified above can be ensured.
(3) The environmental conditions, including temperature, pressure, humidity, radiation, chemicals, and submergence at the location where the equipment must perform as specified in accordance with (1) and (2) above.

Additionally, the information will be kept in an appropriate file format that will be stored and retained in accordance with the Quality Assurance Program Description (QAPD). This information is to remain current and in an auditable form that meets the requirements of 10 CFR 50.49(j) and the QAPD.

At a minimum, this information will be maintained in an auditable file format and form for the entire period during which the qualified item is installed in the nuclear power plant or is stored for future use. The file will readily permit verification that the applicable electrical equipment is qualified for its application and meets its specified performance requirements when it is subjected to the conditions predicted to be present when it must perform its safety function, up to the end of its qualified life.

COLA Impact

The Bell Bend FSAR will be updated as shown, in a future COLA revision.

COLA Part 2, FSAR Section 3.11 will be revised as follows:

{PPL Bell Bend, LLC} ~~shall maintain the equipment qualification test results and qualification status file during the equipment selection, procurement phase and throughout the installed life in the plant~~ shall develop and maintain 1) a list of electrical equipment meeting the criteria of 10 CFR 50.49 and 2) a record of qualification for each applicable electrical equipment type. The record shall contain the necessary environmental qualification information to meet the requirements of 10 CFR 50.49. This information will be stored and retained in accordance with the Quality Assurance Program Description or QAPD. This information will remain current and in an auditable form that meets the requirements of 10 CFR 50.49(j) and the QAPD.

Part 10 (ITAAC), Appendix A, Item 2 of the COL will be revised as follows:

COL Item 3.11-1 in Section 3.11

{PPL Bell Bend, LLC} ~~shall maintain the equipment qualification test results and qualification status file during the equipment selection, procurement phase and throughout the installed life in the plant~~ shall develop and maintain 1) a list of electrical equipment meeting the criteria of 10 CFR 50.49 and 2) a record of qualification for each applicable electrical equipment type. The record shall contain the necessary environmental qualification information to meet the requirements of 10 CFR 50.49. This information will be stored and retained in accordance with the Quality Assurance Program Description or QAPD. This information will remain current and in an auditable form that meets the requirements of 10 CFR 50.49(j) and the QAPD.

Question 03.11-3

Section 3.11.1.1.3, Table 3.11-1:
Verify and correct the equipment Tag Numbers of the ESWEMS Pumphouse Class 1E 6.9 kV-480 V transformers and ESWEMS Class 1E Motor Control Centers. These are inconsistent with the Tag Numbers for the same equipment shown in Figure 8.3-1, EPSS Single Line Diagram.

Response

The equipment Tag Numbers of the ESWEMS Pumphouse Class 1E 6.9 kV-480V transformers and ESWEMS Class 1E Motor Control Centers have been verified and corrected. The Tag Numbers on FSAR Figure 8.3-1 are the correct Tag Numbers and the corrected Tag Numbers for the equipment in Table 3.11-1 are as listed, below.

Name Tag (Equipment Description)	Tag Number
ESWEMS Pumphouse Pump Bay 1 Class 1E 6.9kV-480V Transformer	31 BMT05
ESWEMS Pumphouse Pump Bay 2 Class 1E 6.9kV-480V Transformer	32 BMT05
ESWEMS Pumphouse Pump Bay 3 Class 1E 6.9kV-480V Transformer	33 BMT05
ESWEMS Pumphouse Pump Bay 4 Class 1E 6.9kV-480V Transformer	34 BMT05
ESWEMS Pumphouse Pump Bay 1 Class 1E 480V Motor Control Center	31 BNG01
ESWEMS Pumphouse Pump Bay 2 Class 1E 480V Motor Control Center	32 BNG01
ESWEMS Pumphouse Pump Bay 3 Class 1E 480V Motor Control Center	33 BNG01
ESWEMS Pumphouse Pump Bay 4 Class 1E 480V Motor Control Center	34 BNG01

COLA Impact

The Bell Bend FSAR will be updated as shown, in a future COLA revision.

Table 3.11-1 {Site-Specific Environmentally Qualified Electrical/I&C Equipment}

(Page 1 of 6)

Name Tag (Equipment Description)	Tag Number	Local Area KKS ID (Room Location)	EQ Environment (Note 1)	Radiation Environment Zone (Note 2)	EQ Designated Function (Note 3)	Safety Class (Note 4)	EQ Program Designation (Note 5)
ESWEMS Pumphouse Pump Bay 1 Class 1E 6.9kV-480V Transformer	~~1~~31 BMT05	10UPF	M	M	ES SI	S 1E EMC	Yes (5) Yes (6)
ESWEMS Pumphouse Pump Bay 2 Class 1E 6.9kV-480V Transformer	~~1~~32 BMT05	10UPF	M	M	ES SI	S 1E EMC	Yes (5) Yes (6)
ESWEMS Pumphouse Pump Bay 3 Class 1E 6.9kV-480V Transformer	~~1~~33 BMT05	10UPF	M	M	ES SI	S 1E EMC	Yes (5) Yes (6)
ESWEMS Pumphouse Pump Bay 4 Class 1E 6.9kV-480V Transformer	~~1~~34 BMT05	10UPF	M	M	ES SI	S 1E EMC	Yes (5) Yes (6)
ESWEMS Pumphouse Pump Bay 1 Class 1E 480V Motor Control Center	~~1~~31 BNG01	10UPF	M	M	ES SI	S 1E EMC	Yes (5) Yes (6)
ESWEMS Pumphouse Pump Bay 2 Class 1E 480V Motor Control Center	~~1~~32 BNG01	10UPF	M	M	ES SI	S 1E EMC	Yes (5) Yes (6)
ESWEMS Pumphouse Pump Bay 3 Class 1E 480V Motor Control Center	~~1~~33 BNG01	10UPF	M	M	ES SI	S 1E EMC	Yes (5) Yes (6)
ESWEMS Pumphouse Pump Bay 4 Class 1E 480V Motor Control Center	~~1~~34 BNG01	10UPF	M	M	ES SI	S 1E EMC	Yes (5) Yes (6)