



10 CFR 50.4
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November 13, 2012

UN#12-129

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

Subject: UniStar Nuclear Energy, NRC Docket No. 52-016
Calvert Cliffs Nuclear Power Plant, Unit 3
Acronym Discrepancies

- References:
- 1) Mark Finley (UniStar Nuclear Energy) to Document Control Desk (NRC), Submittal of Revision 8 to the Combined License Application for the Calvert Cliffs Nuclear Power Plant, Unit 3, and Application for Withholding of Documents, dated March 27, 2012
 - 2) AREVA Letter NRC:12:051, "Submittal of Revision 4 of the U.S. EPR Final Safety Analysis Report for Design Certification," dated October 5, 2012.

UniStar Nuclear Energy (UNE), has been informed that several of the acronyms used in the Calvert Cliffs Nuclear Power Plant (CCNPP) Unit 3 Combined License Application (COLA), Revision 8, as submitted by Reference 1, are in conflict with the acronyms used in the U.S. EPR Design Certification, Reference 2.

Specifically, it was identified that in the CCNPP Unit 3 Final Safety Analysis Report (FSAR), Chapter 9, Section 9.4.4, UNE utilizes an acronym SGBVS to denote the Switchgear Building Ventilation System, Turbine Island. Elsewhere in CCNPP Unit 3 FSAR, Chapter 14, Section 14.2.14.13, and consistent with the AREVA U.S. EPR Design Certification FSAR, the acronym SWBVS is used for this same system. Similarly, in CCNPP Unit 3 FSAR Section 3.7.2.8, UNE uses SB to refer to the Switchgear Building, whereas in Chapter 19 and in the AREVA U.S. EPR Design Certification FSAR, SB is defined as a Safeguard Building, with Switchgear Building being SWGB. And in CCNPP Unit 3 FSAR Chapter 2, Section 2.5, UNE additionally utilizes SGB as a Safeguard Building.

This letter is to clarify that these noted acronym conflicts will be corrected in the upcoming CCNPP Unit 3 FSAR Revision 9 to be consistent with the U.S. EPR Design Certification FSAR.

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A condition report regarding the acronym conflicts has been entered into the UNE corrective action program for disposition.

The Enclosure includes the applicable portions of the COLA that will be revised to correct acronym issues. The revised COLA content will be included in the upcoming Revision 9 of the CCNPP Unit 3 COLA.

There are no regulatory commitments identified in this letter. This letter does not contain any sensitive or proprietary information.

If there are any questions regarding this transmittal, please contact me at (410) 369-1907, or Mr. Wayne A. Massie at (410) 369-1910.

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

Executed on November 13, 2012



Mark T. Finley

Enclosure: Calvert Cliffs Nuclear Power Plant Unit 3, COLA Markups Associated with Acronym Discrepancies

cc: Surinder Arora, NRC Project Manager, U.S. EPR Projects Branch
Laura Quinn-Willingham, NRC Environmental Project Manager, U.S. EPR COL Application
Getachew Tesfaye, NRC Project Manager, U.S. EPR DC Application (w/o enclosures)
Patricia Holahan, Acting Deputy Regional Administrator, NRC Region II (w/o enclosures)
Silas Kennedy, U.S. NRC Resident Inspector, CCNPP, Units 1 and 2
David Lew, Deputy Regional Administrator, NRC Region I (w/o enclosures)

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Enclosure

Calvert Cliffs Nuclear Power Plant Unit 3,

**COLA Markups Associated with
Acronym Discrepancies**

COLA Impact

CCNPP Unit 3 COLA Part 2, FSAR Table 1.1-1, Acronyms Used in this Document, will be updated as follows in a future COLA revision:

Table 1.1-1 – {Acronyms Used in this Document}

Acronym	Description
...	
SARA	Superfund Amendments and Reauthorization Act
SB	<u>Safeguard Building</u>
SCDOT	South Carolina Department of Transportation
...	
STEL	Short-Term Exposure Limit
SWBVS	<u>Switchgear Building Ventilation System, Turbine Island</u>
SWGB	<u>Switchgear Building</u>
TEDE	Total Effective Dose Equivalent
...	

CCNPP Unit 3 COLA Part 2, FSAR, Chapter 9, Section 9.4.4, Turbine Island Ventilation System, will be updated as follows in a future COLA revision:

9.4.4 Turbine Island Ventilation System

...

A COL applicant that references the U.S. EPR design certification will provide site-specific design information for the switchgear building ventilation system, turbine island (SGBVS SWBVS).

The COL Items are addressed as follows:

The site-specific design information for the turbine building ventilation system is provided in sections 9.4.4.1 through 9.4.4.6.

{The ~~SGBVS~~ SWBVS information will be included when the detailed design is sufficiently complete. The information and conclusions are expected to be similar to that provided for the TBVS in Sections 9.4.4.1 through 9.4.4.6.}

CCNPP Unit 3 COLA Part 2, FSAR, Chapter 3, Section 3.7.2.8, Interaction of Non-Seismic Category I structures with Seismic Category I Structures, will be updated as follows in a future COLA revision:

3.7.2.8 Interaction of Non-Seismic Category I structures with Seismic Category I Structures

...

The Seismic Category II Turbine Building (TB), Switchgear Building (~~SB~~ SWGB) and Access Building (AB) are located in the vicinity of the Nuclear Island Common Basemat Structures. These buildings are analyzed and designed to prevent their failure under site-specific SSE loading conditions and to maintain margin of safety equivalent to that of Seismic Category I structures. The structural steel components of these structures are designed using ANSI/AISC N690 (ANSI/AISC, 2004). The reinforced concrete components of these structures are designed using ACI 349 (ACI, 2001). Therefore, the design methodology for these structures meets NUREG-0800 Section 3.7.2, Acceptance Criterion 8.C (NRC, 2007a). During detailed design, the elastic displacements of the TB, the ~~SB~~ SWGB and the AB will be computed using classical finite element analysis methods. The elastic displacements will be combined with those of the nearest Seismic Category I structures. It will be confirmed that the combined elastic displacements are less than the provided separation distances.

CCNPP Unit 3 COLA Part 2, FSAR, Chapter 2, Section 2.5, Geology, Seismology, and Geotechnical Engineering, Tables 2.5-64, 2.5-67, 2.5-68, and Figures 2.5-187, 2.5-191, and 2.5-194 will be updated as follows in a future COLA revision (typical):

Safeguard Building 1 (~~SGB1~~ SB1)
Safeguard 2&3 Buildings (~~SGB23~~ SB23)
Safeguard Building 4 (~~SGB4~~ SB4)