



Tennessee Valley Authority, 1101 Market Street, LP 5A, Chattanooga, Tennessee 37402-2801

March 14, 2008

10 CFR 52.75

Mr. R. William Borchardt  
Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Borchardt:

In the Matter of ) Docket Numbers 52-014 and 52-015  
Tennessee Valley Authority )

NUCLEAR REGULATORY COMMISSION (NRC) – BELLEFONTE NUCLEAR  
PLANT (BLN) – AP1000 COMBINED LICENSE APPLICATION  
STANDARDIZATION

Reference: Letter from Ashok Bhatnagar (TVA) to R. William Borchardt (NRC),  
Application for Combined License for BLN Units 3 and 4, dated  
October 30, 2007

The purpose of this letter is to identify updates to the BLN application.

TVA submitted an application for two AP1000 advanced passive pressurized water reactors in the referenced letter. The BLN application has been designated by the AP1000 Design-Centered Working Group (DCWG) as the reference application (R-COLA) for the AP1000 DCWG; accordingly, the information designated therein as “standard content” is expected to be used in subsequent AP1000 applications (S-COLAs).

Enclosure 1 contains updates to standard content of the BLN application. To maintain proper configuration management of standard content between the R-COLA and S-COLAs, the errata in Enclosure 1 documents updates to the R-COLA standard content being tracked by the AP1000 DCWG. The AP1000 DCWG members, including members submitting S-COLAs, have acknowledged these updates as standard content for an AP1000 application.

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TVA, in consultation with the AP1000 DCWG, has concluded that none of the updates described in Enclosure 1 require an immediate change to the BLN application. These updates will be incorporated into a future revision of the BLN application.

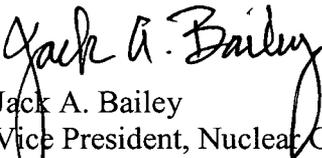
Enclosure 2 contains updates to site-specific content of the BLN application. TVA has concluded that none of the updates described in Enclosure 2 requires an immediate change to the BLN application. These updates will be incorporated into a future revision of the BLN application.

Errata in both enclosures are identified with a unique tracking number for each entry. They do not include updates that were proposed but not adopted; consequently, the individual tracking numbers are not consecutive in all cases.

If there are any questions regarding this application, please contact Phillip Ray at 1101 Market Street, LP 5A, Chattanooga, Tennessee 37402-2801, by telephone at (423) 751-7030, or via email at pmray@tva.gov.

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

Executed on this 14<sup>th</sup> day of March, 2008.

  
Jack A. Bailey  
Vice President, Nuclear Generation  
Development

Enclosures  
cc (Enclosures):

Mr. Thomas A. Bergman  
Division of New Reactor Licensing  
U.S. Nuclear Regulatory Commission  
Two White Flint North, 6 F27  
11545 Rockville Pike  
Washington, DC 20555-0001

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Mr. Michael P. Cazaubon  
NuStart Project Manager  
Manager, Project Development  
Exelon Generation Company, LLC  
200 Exelon Way  
Kennett Square, Pennsylvania 19348

Mr. Ronald B. Clary  
General Manager, New Nuclear Development  
South Carolina Electric and Gas Company  
P.O. Box 88, MC P40  
Jenkinsville, South Carolina 29065

Ms. Stephanie M. Coffin  
Office of New Reactors  
U.S. Nuclear Regulatory Commission  
Two White Flint North, 7 E18  
11545 Rockville Pike  
Washington, DC 20555-0001

Mr. Steve Frantz  
Morgan Lewis Bockius  
1111 Pennsylvania Avenue, NW  
Washington, DC 20004

Mr. Martin W. Gettler  
Vice President, Nuclear Projects  
Florida Power & Light Company  
700 Universe Boulevard  
Juno Beach, Florida 33408

Mr. Richard Grumbir  
NuStart AP1000 Project Manager  
4205 Willow Bend Court, SE  
Decatur, Alabama 35603

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Mr. Peter Hastings  
AP1000 DCWG Lead  
Licensing Manager, Nuclear Plant Development  
Duke Energy  
526 South Church Street  
Charlotte, North Carolina 28202

Mr. Paul Hinnenkamp  
Vice President, Business Development  
Entergy New Nuclear Development, LLC  
1340 Echelon Parkway  
Jackson, Mississippi 39213

Mr. Gary Holahan  
Office of New Reactors  
U.S. Nuclear Regulatory Commission  
Two White Flint North, 6 F15  
11545 Rockville Pike  
Washington, DC 20555-0001

Mr. Robert Kitchen  
Manager, Nuclear Plant Licensing  
Progress Energy  
100 East Davie Street, TPP 15  
Raleigh, North Carolina 27602

Ms. Marilyn C. Kray  
NuStart President  
Vice President, Project Development  
Exelon Generation Company, LLC  
200 Exelon Way, KSA 3-N  
Kennett Square, Pennsylvania 19348

Mr. David Matthews  
Division of New Reactor Licensing  
U.S. Nuclear Regulatory Commission  
Two White Flint North, 6 F27  
11545 Rockville Pike  
Washington, DC 20555-0001

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Mr. Victor McCree  
U.S. Nuclear Regulatory Commission  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW, Suite 23T85  
Atlanta, Georgia 30303

Ms. Eileen McKenna  
Office of New Reactors  
U.S. Nuclear Regulatory Commission  
Two White Flint North, 7 E18  
11545 Rockville Pike  
Washington, DC 20555-0001

Mr. Garry Dale Miller  
General Manager, Nuclear Plant Development  
Progress Energy  
100 East Davie Street, TPP 15  
Raleigh, North Carolina 27602

Mr. Charles Pierce  
Southern Nuclear  
40 Inverness Center Parkway  
Birmingham, Alabama 35242

Mr. Loren Plisco  
U.S. Nuclear Regulatory Commission  
Sam Nunn Atlanta Federal Center  
61 Forsyth Street, SW, Suite 23T85  
Atlanta, Georgia 30303

Mr. Richard Reister  
Nuclear Power 2010 Program Manager  
U.S. Department of Energy  
NE-31, GTN  
1000 Independence Avenue, SW  
Washington, DC 20585

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Mr. Joseph M. Sebrosky  
U.S. Nuclear Regulatory Commission  
Two White Flint North, E3 D2M  
11545 Rockville Pike  
Washington, DC 20555-0001

Mr. Georges Serviere  
Director, EDF INA  
Electricite De France International North America, Inc.  
1300 Eye Street, NW, Suite 305  
Washington, DC 20005

Ms. Martha Shields  
Federal NuStart Project Director  
U.S. Department of Energy  
NE-31, GTN  
1000 Independence Avenue, SW  
Washington, DC 20585

Ms. Rebecca Smith-Kevern  
Office of Light Water Reactor Deployment  
U.S. Department of Energy  
NE-31, GTN  
1000 Independence Avenue, SW  
Washington, DC 20585

Mr. Dennis Spurgeon  
Assistant Secretary for Nuclear Energy  
U.S. Department of Energy  
NE-1, FORS  
1000 Independence Avenue, SW  
Washington, DC 20585

Mr. George Zinke  
NuStart Licensing Lead  
Entergy New Nuclear Development, LLC  
1340 Echelon Parkway  
Jackson, Mississippi 39213

## Enclosure 1

### Changes to AP1000 Standard COLA Content Errata Report Rev 0

Change No.	COLA Part	Chapter	Section/ Page	Text Change	Reason for Change
AP-STD-0001	2	1	Table 1.6-201	Correct NEI 06-13A date to read October 2007 and add ADAMS number (ML072920293)	Editorial - provide correct reference date (year); update with ML number
AP-STD-0002	2	1	Table 1.9-201	Remove "3.4.5" from RG 1.59 FSAR section list	Incorrect FSAR section numbers referenced
AP-STD-0003	2	1	Table 1.9-201	Remove RG 1.110 from table	RG not explicitly discussed in COLA - change for consistency in citations
AP-STD-0004	2	3	3.9.6.2.2	Add reference ( <i>ASME Code Case OMN-1 Revision 1</i> ) cited in 3.9.6.2.2 and 3.9.6.3 to reference section 3.9.9	Consistency in citations of references
AP-STD-0005	2	3	3.9.6.3	In first paragraph, fifth line, change "access" to "assess"	Editorial - word choice
AP-STD-0006	2	8	Page 8.3-3	Make capitalization of "non-Class 1E" consistent	Editorial - consistency in capitalization
AP-STD-0007	2	8	8.3.2.1.4 Table 8.1-201	Remove hyphens where used in "IEEE 450" Remove hyphens where used in "IEEE 665"	Editorial - consistency in hyphenation
AP-STD-0008	2	8	Page 8.2-6	In the third line of the paragraph beginning "For performance of maintenance...", change "practice" to	Editorial - grammatical correction

**Enclosure 1 cont.**

**Changes to AP1000  
Standard COLA Content Errata Report Rev 0**

Change No.	COLA Part	Chapter	Section/ Page	Text Change	Reason for Change
				"practices"	
AP-STD-0009	2	9	9.1.4.4, 9.1.5.3, 9.1.5.4, 9.4.7.4	Replace "subsection" with "Subsection"	Editorial - consistency in capitalization
AP-STD-0010	2	9	9.4.12	Delete comma after "9.4.1.4"	Editorial - correct punctuation
AP-STD-0011	2	9	9.5.1.8.1.1	Add STD COL 9.5-3 to STD COL 9.5-4 in the LMA  and  change section 9.5.1.9.3 to include a reference to Subsection 9.5.1.8.1.1	Subsection addresses both COL items
AP-STD-0014	2	10	10.1.3	Add introductory statement	Editorial - consistent use of introductory statements
AP-STD-0016	2	12	12.4.1.9.4	Change 10 CFR 21.1201 to 10 CFR 20.1201	Fix typographical error to correct regulatory citation
AP-STD-0017	2	13	13.7 first paragraph	Change: "TVA commits to an operations phase program consistent..." to: "The operations phase program will be consistent...."	Fitness for Duty information is identified as standard supplemental content but includes a commitment for TVA specifically; change keeps this paragraph standard.

**Enclosure 1 cont.**

**Changes to AP1000  
Standard COLA Content Errata Report Rev 0**

<b>Change No.</b>	<b>COLA Part</b>	<b>Chapter</b>	<b>Section/ Page</b>	<b>Text Change</b>	<b>Reason for Change</b>
AP-STD-0018	2	13	Appendix 13BB Subsection 13BB.2.1.3 first paragraph	Replace last sentence with "Cold license operator training will be conducted as described below."	Existing text points to section 13.2.1.1, which does not exist; information is appropriately captured in subsequent text.
AP-STD-0020	2	14	14.2.2.1.4, 14.2.2.2, 14.2.11	Change reference in 14.2.2.1.4 and 14.2.2.2 citation to "( <u>found in Reference 201</u> )"	Editorial - cited document is embedded within the document identified within Reference 201 (14.2.11)
AP-STD-0021	2	19	19.59.10.6	In line just above underlined title "Process for Maintenance and Upgrades of the PRA" change colon to period	Editorial - correct punctuation

**Enclosure 1 cont.**

**Changes to AP1000  
Standard COLA Content Errata Report Rev 0**

Change No.	COLA Part	Chapter	Section/ Page	Text Change	Reason for Change
AP-STD-0022	2	1	App 1AA - RG 1.149	<p>Change: "During cold licensing, training is conducted using a simulator with limited scope in accordance with option (c) of ANSI/ANS-3.2-1988. Operator Licensing examinations are conducted on a simulator meeting the applicable requirements of ANSI/ANS-3.5-1998"</p> <p>To: "During cold licensing, training is conducted using a simulator with limited scope in accordance with Appendix D of ANSI/ANS-3.5-1998. Operator Licensing examinations are conducted on a simulator meeting the applicable requirements of ANSI/ANS-3.5-1998"</p>	Provide correction citation of standard (3.2 should have been 3.5)
AP-STD-0023	11		Part 11 Cover Page	Change cover sheet title to "Enclosures"	Editorial - correct title on cover sheet
AP-STD-0024	2	3	3.5.1.3	Change "two AP1000 plants side and side" to "two AP1000 plants side <u>by</u> side"	Editorial - correct word choice

**Enclosure 1 cont.**

**Changes to AP1000  
Standard COLA Content Errata Report Rev 0**

<b>Change No.</b>	<b>COLA Part</b>	<b>Chapter</b>	<b>Section/ Page</b>	<b>Text Change</b>	<b>Reason for Change</b>
AP-STD-0025	2	3	3.6.4.1	Pointer to 3.6.5.2 should be to 3.6.2.5	Fix typographical error correct pointer (note that hyperlink is unaffected)
AP-STD-0026	2	19	19.59.10.6	In the paragraph under "Schedule of Maintenance and Upgrades of the PRA", second line, change "update" to "upgrade."	Correction of terminology
AP-STD-0028	2	9	Table 9.5-201	Add "Comply" to #14 and #33	Editorial - consistency with rest of table
AP-STD-0029	1		Part 1 Title	Change title of Part 1 to "General and Financial Information"	Consistency with 10 CFR 50.33, "Filing of applications; general information," and RG 1.206, Section C.IV.5, "General and Financial Information."
AP-STD-0030	3		Part 3 Title	Change cover sheet title to "Applicant's Environmental Report - Combined License Stage"	Consistency with specific titling requirements of 10 CFR 51.50(c)
AP-STD-0032	2	1	Table 1.6-201	Reflect incorporation by reference of TR134 Rev 1	Reflect update to TR134

## Enclosure 2

### Changes to AP1000 Bellefonte COLA Content Errata Report Rev 0

Change No.	COLA Part	Chapter	Section/ Page	Text Change	Reason for Change
BLN-0001	2	11	Table 11.3-203	Replace Infant Total Body Dose "5.54E+01" with "5.54E-01"	Correction to typographical error in reporting Infant Total Body Dose
BLN-0002	2	3	Figures 3.7-201 and 3.7-202	Revise figures to show TR-144 HRHF GMRS pages 8 and 9 of 33 along with CSDRS and BLN GMRS	Revise figures consistent with DCD change described in TR-144 (HRHF GMRS fully bounds the BLN GMRS)
BLN-0003	2	2	Table 2.0-201	On Sheet 2, for Seismic - SSE parameters, revise "AP1000 DCD Site Parameter" column to add a second paragraph that reads "The hard rock high frequency (HRHF) ground motion spectra (GMRS) are shown in Figure 5.0-3 and Figure 5.0-4 defined at the foundation level for 5% damping. The HRHF GMRS provide an alternative set of spectra for evaluation of site specific GMRS. A site is acceptable if its site specific GMRS fall within the AP1000 HRHF GMRS."	Revise to match TR-144 revision to DCD Tier 1 Table 5.0-1 for SSE
BLN-0004	11		QAPD, Page 9 of 46	Correct Page 9 of 46 of the TVA QAPD in Part 11 to omit the "1 and LWA 2" references such that the sentence only refers to "...Limited Work Authorization (LWA) activities...."	Final Rule on LWA

**Enclosure 2 cont:**

**Changes to AP1000  
Bellefonte COLA Content Errata Report Rev 0**

<b>Change No.</b>	<b>COLA Part</b>	<b>Chapter</b>	<b>Section/ Page</b>	<b>Text Change</b>	<b>Reason for Change</b>
BLN-0005	5	A3	Section 5.0 of Appendix 3	Page A3-5 - Delete Reference 4.	This reference inadvertently not removed during draft revision of the EP.
BLN-0006	2	2	Table 2.4.13-201, both sheets	Revise LMA from STD COL 15.7-1 to BLN COL 15.7-1.	LMA for the table should match the text LMA for 2.4.13 which is all plant specific.
BLN-0007	2	17	17.1	Revise 17.1 Replacement to include new first paragraph - "Tennessee Valley Authority (TVA) is responsible for the establishment and execution of quality assurance program requirements during the design and construction phases of Bellefonte Nuclear Plant Units 3 and 4. TVA may delegate and has delegated to others, such as NuStart Energy Development, LLC, Enercon Services, Inc., and Westinghouse Electric Company, the work of establishing and executing the quality assurance program, or any parts thereof, but retains responsibility for the quality assurance program." Also, in original second paragraph, replace reference to TVA-NQA-PLN89 with TVA-NQA-PLN89-A and include identification as (Reference 204).	Refer to TVA letter dated January 08, 2008

**Enclosure 2 cont.**

**Changes to AP1000  
Bellefonte COLA Content Errata Report Rev 0**

<b>Change No.</b>	<b>COLA Part</b>	<b>Chapter</b>	<b>Section/ Page</b>	<b>Text Change</b>	<b>Reason for Change</b>
BLN-0008	2	17	17.8	Add new Reference 204. Tennessee Valley Authority, "Tennessee Valley Authority Nuclear Quality Assurance Plan," TVA-NQA-PLN89-A.	Refer to TVA letter dated January 08, 2008
BLN-0009	5	App 7	new	Add TEMA and GEMA certification letters to EP Appendix 7	Refer to TVA letter dated January 08, 2008