



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

January 27, 2009

10 CFR 52.79

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D.C. 20555

In the Matter of )  
Tennessee Valley Authority )

Docket No. 52-014 and 52-015

BELLEFONTE COMBINED LICENSE APPLICATION – UPDATE ROADMAP

This letter provides information supporting the recent Tennessee Valley Authority (TVA) update of the application for a combined license for Bellefonte Units 3 and 4. Enclosed is a “roadmap” of the changes included in the recent update, along with an explanation of the information contained in the roadmap.

If you should have any questions, please contact Tom Spink at 1101 Market Street, LP5A, Chattanooga, Tennessee 37402-2801, by telephone at (423) 751-7062, or via email at [tespink@tva.gov](mailto:tespink@tva.gov).

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

Executed on this 27<sup>th</sup> day of Jan, 2009.

Andrea L. Sterdis  
Manager, New Nuclear Licensing and Industry Affairs  
Nuclear Generation Development & Construction

Enclosure  
cc: See Page 2

DOBS  
NRD

Document Control Desk  
Page 2  
January 27, 2009

cc: (Enclosure)

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Enclosure  
TVA letter dated January 27, 2009  
Update Roadmap

**2009 R-COLA Update Roadmap Format Explanation (by columns)**

Change ID # [unique identifier for tracking purposes]

AP1000 Change # [AP-STD-#### or BLN-####] {provided unique identifier when being tracked by spreadsheet; prior to computer data base usage; no longer used or assigned}

Errata Report Rev # [0, 1, 2, 3, 4 (Revision 4 impacted the Environmental Report (Part 3) only)]

COLA REP [identifies the change as STD (Standard) or BLN (Plant-Specific)]

COLA Part A [Part 1 (Pt 01) through 11 (Pt 11)]

COLA Chapter A [e.g., FSAR 01 to FSAR 19] {generally used only for Part 2}

Section / Page A [page numbers (if identified) are specific to document to be Revised, i.e., Rev 0]

Basis for Change [the Source of the change...]

Change Summary [Short description of change...]

Attachment  
TVA letter dated January 27, 2009  
Update Roadmap

**Attachment**  
**Bellefonte Units 3 & 4**  
**Reference Combined License Application**  
**Update Roadmap**  
(This cover and Pages 1 to 108)

**NuStart's COLA Tracking Management (CTM) : COLA Changes | AP - R-COLA Amendment Roadmap by Part/Section**

AP - R-COLA Amendment Roadmap by Part/Section									
Technology is not ESBWR AND ...									
Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary	
<b>Pt 01</b>									<b>8 COLA Changes</b>
2097			BLN	Pt 01		00 - All Headers	Consistency	Change Headers from Bellefonte Nuclear Plant, Units 3 and 4 to Bellefonte Nuclear Plant, Units 3 & 4	
2157			BLN	Pt 01		00 - Various	Corrects confusing and incorrect page numbering in Part 1.	Renumber Part 1 page numbers using the format "1-#", where the first digit is the Part number (i.e., Part 1 - General and Financial Information), and the last digit(s) is the consecutively numbered page within Part 1.	
255	AP-STD-0029	0	STD	Pt 01		00 Part 1 Title	Consistency with 10 CFR 50.33, "Filing of applications; general information," and RG 1.206, Section C.IV.5, "General and Financial Information."	Change title of Part 1 to "General and Financial Information"	
304			BLN	Pt 01		01.01 / 1.1-6 to 1.1-12	Pages 1.1-6 through 1.1-12 contain sensitive information, which is provided in Part 9 of the BLN COLA. The hyperlinks from COLA Part 1 to Part 9 are not functioning and need to be fixed.	Fix the hyperlinks from COLA Part 1 (pages 1.1-6 to 1.1-12) to COLA Part 9 (Withheld Information). Hyperlinks are currently shown, but do not work.	
1803			BLN	Pt 01		01.01 / 1.1-6 to 1.1-12	NRC guidance - any page marked "withhold" will be withheld.	Revise each page with a "withhold" header to read "withheld" per NRC request. No change bars are identified for this change.	
2136			BLN	Pt 01		01.01.04	WEC DCD Rev 17 conformance	Revise text of last sentence from Throughout this application, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 16, including any supplemental material as identified in Reference 2.  To Throughout this application, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 17.	
2070			BLN	Pt 01		01.03.T / T1.3-1 & 1.3-2	Update Estimated Cost basis	Reflect updated proprietary cost data based on 2008 dollars	
2139			BLN	Pt 01		01.07	WEC DCD Rev 17 conformance	Update Reference 1 and remove Reference 2	
<b>Pt 02</b>									<b>758 COLA Changes</b>

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
118	AP-STD-0060a	1	STD	Pt 02		00TOC	Editorial - capitalization consistency with DCD (see DCD Section 8.1)	Capitalize "AC" in both the TOC listing for Subsection 14.2.9.4.23 and in the Subsection title on Page 8
90	AP-STD-0031	1	STD	Pt 02	FSAR 01	01.01	Consistent incorporation by reference of DCD Rev 16 pursuant to NRC acceptance review comments	Delete first sentence of second paragraph of STD SUP 1.1-1 (paragraph beginning "Appendix D to 10 CFR Part 52 is hereby incorporated by reference..."), and move second sentence to the end of the first paragraph.
128	AP-STD-0070	1	STD	Pt 02	FSAR 01	01.01	Editorial - first use of acronym	For STD SUP 1.1-1, first line, change "FSAR" to "Final Safety Analysis Report (FSAR)"
129	AP-STD-0071	1	STD	Pt 02	FSAR 01	01.01	Editorial - correction of company title	For STD SUP 1.1-1, third line, change "Corporation" to "Company" (reads as Westinghouse Electric Company)
2061			STD	Pt 02	FSAR 01	01.01	WEC DCD Rev 17 conforming change	Reflect incorporation by reference of DCD Rev 17 rather than Rev 16
1076	AP-STD-0236	2	STD	Pt 02	FSAR 01	01.01.06.01	Text is not part of the departure. It only introduces the departure.	Change LMA from "STD DEP 1.1-1" to STD SUP 1.1-6
140	AP-STD-0082	1	STD	Pt 02	FSAR 01	01.01.06.03	Editorial - consistency in citation	End of second paragraph, change the "e.g.,..." statement to parenthetical statement (e.g., 12AA)
130	AP-STD-0072	1	STD	Pt 02	FSAR 01	01.01.06.05	Editorial - consistency in citation	In the third line of STD SUP 1.1-4, change "Regulatory Information Summary" to "Regulatory Issue Summary"
965	AP-STD-0125		STD	Pt 02	FSAR 01	01.01.08	Consistency with DCD. NRC rejected APP-GW-GLR-036 (TR01) that added 1.1.8 to DCD. DCD has been revised via TR134 to omit 1.1.8 via change NRC130. Since 1.1.8 does not now exist, the entire subsection must be added to the DCD via the COLA.	Add new Subsection 1.1.8, REFERENCES, with new reference 201. 201. United States Geological Survey (USGS) 1980, Hollywood Quadrangle, Alabama, 7.5 Minute Series Topographic Map.
1532			STD	Pt 02	FSAR 01	01.01.T / T1.1-201 Sh01	WEC DCD Rev 17 conforming change - this acronym now in DCD	COLA Part 2, FSAR, Chapter 1, Table 1.1-201 Delete Acronym "COL Combined License"
1187			STD	Pt 02	FSAR 01	01.01.T / T1.1-201 Sh07	RAI LTR 071 response to RAI 01-07 item 1	1. COLA Part 2, FSAR, Chapter 1, Table 1.1-201 will be revised to include a new listing for an Acronym Used in the FSAR to read: TS Technical Specification(s)
966	AP-STD-0126	2	STD	Pt 02	FSAR 01	01.01.T / T1.1-203	LMA inadvertently omitted.	Add plant specific LMA (e.g., BLN COL 1.1-1)
1987			BLN	Pt 02	FSAR 01	01.01F / F1.1-202	Remove unnecessary building legend designation	The BUILDING LEGEND item 1 is revised to read "NEW PRIMARY ACCESS PORTAL"
2239			BLN	Pt 02	FSAR 01	01.01F / F1.1-202	Layout change.	Relocate transformer layout for Unit 3 only to uncross lines coming from switchyard
1444	BLN-0030	3	BLN	Pt 02	FSAR 01	01.02.02	TR134, R5 item NRC258. Although the LMA for this	Add LMAs of NPP COL 3.3-1 and BLN COL 3.5-1 to the wording of this section

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							information is site-specific, due to use of the plant name, the information is standard for all plants falling within the AP1000 typical site plan. Other sites should replace BLN with the site designation (e.g., WSL, VEGP, VCS, LNP, HAR)	
1804			BLN	Pt 02	FSAR 01	01.02F / F1.2-201	NRC guidance - any page marked "withhold" will be withheld.	Revise each page with a "withhold" header to read "withheld" per NRC request. No change bars are identified for this change.
131	AP-STD-0073	1	STD	Pt 02	FSAR 01	01.05 / 1.5-1	Editorial - consistency with remainder of COLA	Change the standard introductory statement to read, "This section of the referenced DCD is incorporated by reference with no departures or supplements. (e.g., remove "and/or" and replace with "or")
967	AP-STD-0127	2	STD	Pt 02	FSAR 01	01.06	Separator line inadvertently omitted.	Move final separator line to the end of the section, from before STD SUP 1.6-1 text to a location after the text.
91	AP-STD-0033a	1	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 0951 - Editorial - consistency in use of NEI-06-13-A	change "NEI-06-13" to "NEI-06-13A"
132	AP-STD-0074	1	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 1533 - Editorial - update to add ML number	Update table to incorporate ADAMS accession numbers for NEI 07-02 and TR134.
171	AP-STD-0116	1	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 1534 - Reflect update to TR134	Reflect incorporation by reference of TR134 Rev 3
232	AP-STD-0001	0	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 951 - Editorial - provide correct reference date (year); update with ML number	Correct NEI 06-13A date to read October 2007 and add ADAMS number (ML072920293)
257	AP-STD-0032	0	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 1534 - Reflect update to TR134	Reflect incorporation by reference of TR134 Rev 1
718			STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 0951 - RAI LTR 048	COLA Part 2, FSAR Chapter 1, Table 1.6-201, will be revised to reflect TR134 Rev 5 (Note that the # and Date were previously updated via Errata Report Rev. 2 item AP-STD-0223).
951			STD	Pt 02	FSAR 01	01.06.T / T1.6-201	RAI LTR 081 update of NEI 06-13A	1. COLA Part 2, FSAR Chapter 1, Section 1.6, Table 1.6-201, will be revised to reflect NEI 06-13A Rev 1.
1009	AP-STD-0169	2	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 1413 - NRC has approved this TR. Need to add an "A" denoting approval. Errata Item	Change "NEI 07-02" to "NEI 07-02A" (Maint Rule), change date from "September 2008" to "March 2008" and change Revision from "3" to "0"

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1063	AP-STD-0223	2	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 1534 - TR-134 has been updated to correct DCD material being referenced by pending COL applicants.	In the "Revision" column, update the number to "4" for Report Number APP-GW-GLR-134 and revise date to "March 2008".
1413			STD	Pt 02	FSAR 01	01.06.T / T1.6-201	RAI LTR 121 update of NEI 07-02A	1. COLA Part 2, FSAR, Chapter 1, Table 1.6-201 will be revised to reflect NEI 07-02A*, Rev 0, March 2008, ML080910149 * NEI 07-02 Revision 3 is approved by the NRC. NEI 07-02A includes the approved Revision 3, the NRC safety evaluation, and corresponding responses to the NRC Request for Additional Information. (note- includes changes made by Errata Report Rev 2)
1450	AP-STD-0255	3	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	NEI submittal of February 26, 2008 update of NEI 07-08	Revise NEI 07-08 to Revision "1" with a Document Transmittal of "February 2008" and ADAMS No of "ML080640459"
1451	AP-STD-0256	3	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	NEI submittal of March 25, 2008 update of NEI 07-03	Revise NEI 07-03 to Revision "5" with a Document Transmittal of "March 2008" and ADAMS No of "ML080860403"
1498	AP-STD-0303	3	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 1534 - TR135, R5, Submittal of June 27, 2008	Revise WEC APP-GW-GLR-134 revision to "5" and Document Transmittal to "June 2008" and ADAMS Accession Number to "TBD"
1499	AP-STD-0304	3	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 0951 - NEI Submittal of March 2008	Revise NEI 06-13A Revision to "1" and Document Transmittal to "March 2008" and ADAMS Accession Number to "ML080910051"
1516	AP-STD-0321	3	STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 1413 - NEI Submittal of March 2008	Revise NEI 07-02A ADAMS Accession Number to "ML080910149"
1533			STD	Pt 02	FSAR 01	01.06.T / T1.6-201	SUPERSEDED by Qb 1413 - Editorial - update to add ML number	Update table to incorporate ADAMS accession numbers for NEI 07-02A of ML080910149.
1534			STD	Pt 02	FSAR 01	01.06.T / T1.6-201	WEC DCD Rev 17 conforming change	Reflect incorporation by reference of DCD Rev 17 and remove IBR of TR134. Rev 17 - Transmittal Sept 2008 - ADAMS (TBD)
2063			STD	Pt 02	FSAR 01	01.06.T / T1.6-201	Editorial consistency change	COLA Part 2, FSAR, Chapter 1, Table 1.6-201 is revised to remove the - in front of the -A for the footnote to be consistent with its use in the Table.
162	AP-STD-0107	1	STD	Pt 02	FSAR 01	01.07.T / T1.7-201	Correction of system designation	Change the system designator for "Offsite Power System One Line Diagram" from "ZBX" to "ZBS" to be consistent with the DCD and AP1000 system designations
981	AP-STD-0141	2	STD	Pt 02	FSAR 01	01.08.T / T1.8-201	STD DEP 1.1-1 lists subsection numbers (e.g., Chapter 2) that may not be standard for all applicants.	Add "See Note a." to STD DEP 1.1-1 description summary and add Note a that reads "The Departure is standard for AP1000 COLAs but the applicable FSAR Sections or Subsections may vary in the AP1000 Subsequent COLAs."
2267			BLN	Pt 02	FSAR 01	01.08.T / T1.8-201	WEC DCD Rev 17 conforming change	Add BLN DEP 8.2-1 to listing of Departures.



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
2288			STD	Pt 02	FSAR 01	01.08.T / T1.8-201	Text of Subsection 1.1.6.1 is not part of the departure. It only introduces the departure.	Remove STD DEP 1.1-1 reference to FSAR Subsection 1.1.6.1 due to revision of LMA per Qb 1076.
1448	BLN-0034	3	BLN	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh07	Conforming change based on TR134, R5 item NRC258	For COL Information Item 3.3-1, add the following FSAR Sections: 1.2.2, 2.2, 2.2.1, 3.5.1.5, 3.5.1.6 For COL Information Item 3.5-1, add the following FSAR Sections: 1.2.2, 2.2, 2.2.1, 3.3.1.1, 3.3.2.1, 3.3.2.3
1024	AP-STD-0184	2	STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh08	Incorrect number reference	For COL Item 3.9-3, in the FSAR SECTION(S) column, change "3.9.3.4.3" to "3.9.3.4.4"
1535			STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh09	WEC DCD Rev 17 conforming change	For COL Item 4.4-2, revise "4.4.7" in DCD SUBSECTION column to "4.4.7.2"
165	AP-STD-0110	1	STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh11	SUPERSEDED by Qb 1481 - DCD conforming changes - refer to TVA letter dated January 14, 2008	Add a new COL item 6.3-2 in accordance with Enclosure 2 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchardt)
727			STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh11	SUPERSEDED by WEC DCD R17 - see Qb 1536 - RAI LTR 030 response to RAI 06.02.02-01	1. COLA Part 2, FSAR Chapter 1, Table 1.8-202, will be revised to add a new line item: 6.3-2 Verification of Containment Resident 6.3.8.2 6.3.8.2 H Particulate Debris Characteristics
1481	AP-STD-0286	3	STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh11	SUPERSEDED by Qb 727 - Correction of COL Item 6.3-2 title to match title in TR134, Rev. 2, Table 1.8-2	Change the title of COL Item 6.3-2 to read, "Verification of Containment Resident Particulate Debris Characteristics"
1536			STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh11	WEC DCD Rev 17 conforming change	COLA Part 2, FSAR Chapter 1, Table 1.8-202, will be revised to remove COL line item 6.3-2. Net result is no change since the item was not in Rev 0.
1025	AP-STD-0185	2	STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh11	There is no FSAR 6.6.5.	For COL Item 6.6-1, delete "6.6.5" in FSAR SECTION(S) column
1012	AP-STD-0172	2	STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh13	The subsections being added should be identified in the table to be consistent with Combined License Information Item 9.5.1.9.1.	For COL Item 9.5-1, in the FSAR Section column, add subsections "9.5.1.8.1.2, 9.5.1.8.3, 9.5.1.8.4, 9.5.1.8.5, and 9.5.1.8.6."
1537			STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh13	WEC DCD Rev 17 conforming change	COLA Part 2, FSAR Chapter 1, Table 1.8-202, will be revised to add a new line item: 9.1-7 Metamic Monitoring Program 9.1.6.7 9.1.6 H
952			STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh17	RAI LTR 081 response to RAI 13.02.01-01	2. COLA Part 2, FSAR Chapter 1, Section 1.8, Table 1.8-202, will be revised from: 13.2-1 Training Program for Plant Personnel 13.2.1 13.2 A 13.2.1 Appendix 13BB To read: 13.2-1 Training Program for Plant Personnel 13.2.1 13.2 A 13.2.1

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
808			STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh18	RAI LTR 050 response to RAI 01-01 item 2	2. COLA Part 2, FSAR Chapter 1, Table 1.8-202 will be revised to add the COL item 13.6-5, Cyber Security Program, 13.6.1, 13.6, 13.6.1, H.
1026	AP-STD-0186	2	STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh18	typographical error	For COL Item 13.4-1, in the FSAR SECTION(S) column, replace the comma in "13.4" with a period
1492	AP-STD-0297	3	STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh18	SUPERSEDED by Qb 808 - Conforming change per TR134, Rev. 5, Item NRC 268	Add a new COL Item 13.6-5, as follows: 13.6-5 Cyber Security Program 13.6 .1 13.6, 13.6.1 H
1820			STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh18	WEC DCD Rev 17 conforming change	Add new line item in Part 2, Chapter 1, Table 1.8-202, to address new COL Holder item 14.4-3, Conduct of Test Program, 14.4.3, 14.4.3, H
1292			STD	Pt 02	FSAR 01	01.08.T / T1.8-202 Sh21	RAI LTR 083 response to RAI 19-03	3. COLA Part 2, FSAR Chapter 1, Table 1.8-202, COL ITEM 19.59.10-4 for development of SAMG will be changed from COL APPLICANT (A) to COL HOLDER (H).
942			STD	Pt 02	FSAR 01	01.09.01.01	RAI LTR 066 response to RAI 01-05 item 1	1. COLA Part 2, FSAR, Chapter 1, Subsection 1.9.1.1 will be revised to supplement the third sentence from: Any exceptions or alternatives to the provisions of the regulatory guides are identified and justification is provided. To read: Any exceptions or alternatives to the provisions of the regulatory guides are identified and justification is provided. One such general alternative is the use of previous revisions of the Regulatory Guide for design aspects as stated in the DCD in order to preserve the finality of the certified design. Stated conformance with the programmatic and/or operational aspects is only to the extent that a design change or departure from the approved DCD is not required to implement those programmatic and/or operational aspects.
943			STD	Pt 02	FSAR 01	01.09.01.02	RAI LTR 066 response to RAI 01-05 item 2	2. COLA Part 2, FSAR, Chapter 1, Subsection 1.9.1.2 will be revised to supplement the fourth sentence from: Any exceptions or alternatives to the provisions of the regulatory guides are identified and justification is provided. To read: Any exceptions or alternatives to the provisions of the regulatory guides are identified and justification is provided. One such general alternative is the use of previous revisions of the Regulatory Guide for design aspects as stated in the DCD in order to preserve the finality of the certified design. Stated conformance with the programmatic and/or operational aspects is only to the extent that a design change or departure from the approved DCD is not required to implement those programmatic and/or operational aspects.
944			STD	Pt 02	FSAR 01	01.09.01.03	RAI LTR 066 response to RAI 01-05 item 3	3. COLA Part 2, FSAR, Chapter 1, Subsection 1.9.1.3 will be revised to supplement the fourth sentence from: Any exceptions or alternatives to the provisions of the regulatory guides are identified and justification is provided. To read: Any exceptions or alternatives to the provisions of the regulatory guides are identified and justification is provided. One such general alternative is the use of previous revisions of the Regulatory Guide for design aspects as stated in the DCD in order to preserve the finality of the certified design. Stated conformance with the programmatic and/or operational aspects is only to the extent that a design change or departure from the approved DCD is not required to implement those programmatic and/or operational aspects.

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
945			STD	Pt 02	FSAR 01	01.09.01.04	RAI LTR 066 response to RAI 01-05 item 4	4. COLA Part 2, FSAR, Chapter 1, Subsection 1.9.1.4 will be revised to supplement the third sentence from: Any exceptions or alternatives to the provisions of the regulatory guides are identified and justification is provided. To read: Any exceptions or alternatives to the provisions of the regulatory guides are identified and justification is provided. One such general alternative is the use of previous revisions of the Regulatory Guide for design aspects as stated in the DCD in order to preserve the finality of the certified design. Stated conformance with the programmatic and/or operational aspects is only to the extent that a design change or departure from the approved DCD is not required to implement those programmatic and/or operational aspects.
141	AP-STD-0083	1	STD	Pt 02	FSAR 01	01.09.04.01	Editorial - consistency in citation	In supplemental information, end of third sentence, change the "e.g., ..." statement to a parenthetical statement (e.g., the standard review plans)
993	AP-STD-0153	2	STD	Pt 02	FSAR 01	01.09.04.02.03	Editorial	Under discussion for Issue 189 insert "and" between "ice condenser" and "BWR MARK III".
1188			STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.000	RAI LTR 071 response to RAI 01-07 item 2	2. COLA Part 2, FSAR, Chapter 1, Table 1.9-201 will be revised to include new or revised Regulatory Guide cross reference information as shown below (Note that, for convenience, this listing is a complete replacement of the content of Table 1.9-201 including previously identified errata items.)
953			STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.008	RAI LTR 081 response to RAI 13.02.01-01, item 3	3. COLA Part 2, FSAR Chapter 1, Section 1.9, Table 1.9-201, will be revised to remove the FSAR reference to Appendix 13BB from the entries for Regulatory Guide 1.8. (This FSAR reference was added by Errata item AP-STD-164.)
1004	AP-STD-0164	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.008	SUPERSEDED by Qb 953 - RG 1.8 is discussed in Chapter 13, Appendix 13BB and should be included in Table 1.9-201.	Add Appendix 13BB to listing of FSAR sections which address RG 1.8.
1237	AP-STD-0033b	1	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.008	Editorial - consistency in use of NEI-06-13-A	change "NEI-06-13" to "NEI-06-13A"
1480	AP-STD-0285a	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.008	SUPERSEDED by Qb 953 Per recommendation of Training team and to provide single source for information	Remove Appendix 13BB and all references to it in FSAR due to issue of NEI 06-13A Rev. 1
1452	AP-STD-0257	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.021	Inadvertent omission from Rev 0	For RG 1.21, add new FSAR Subsection listing of "11.5.1.2"
1517	AP-STD-0322	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.026	Cross-reference was missed in construction of table for R-COLA	Add Regulatory Guide 1.26, with a FSAR Chapter, Section or Subsection of 5.2.4.1
233	AP-STD-0002	0	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.059	Incorrect FSAR section numbers referenced	Remove "3.4.5" from RG 1.59 FSAR section list
1518	AP-STD-0323	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.060	Cross-reference was missed in construction of table for R-COLA	Add Regulatory Guide 1.60, with a FSAR Chapter, Section, or Subsection of Table 2.0-201
2065			STD	Pt 02	FSAR 01	01.09.T / T1.9-201	Correction for information	Correct the "November 2007" date to read "November 1978"

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
						1.070	provided in response to RAI LTR 071	
1453	AP-STD-0258	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.076	Inadvertent omission from Rev 0	For RG 1.76, add new FSAR Subsection listing of "Table 2.0-201, footnote (e)"
1999			STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.078	Correction for information added in response to RAI LTR 071	Correct the "16 (TS Bases 3.7.8)" to read "16 (TS Bases 3.7.6)"
2000			STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.094	Correction for information provided in response to RAI LTR 071	Correct the "July 1976" date to read "April 1976"
234	AP-STD-0003	0	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.110	SUPERSEDED by Qb 1510 - RG not explicitly discussed in COLA - change for consistency in citations	Remove RG 1.110 from table
1510	AP-STD-0315	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.110	Conforming change per AP-STD-0283	Add RG 1.110 to table and identify FSAR sections 11.2.3.5.3 and 11.3.3.4.3
1449	BLN-0035	3	BLN	Pt 02	FSAR 01	01.09.T / T1.9-201 1.111	DUPLICATE INFO - Reference was missed in construction of table for R-COLA - [[This Subsection already referenced.]]	Add Subsection 12.4.1.9.3 to the list of subsections containing reference to this Reg Guide
2188			BLN	Pt 02	FSAR 01	01.09.T / T1.9-201 1.112	RG 1.112 Rev.1 title conformance	Correct the Title of RG 1.112 from: Calculation of Releases of Radioactive Materials in Gaseous or Liquid Effluents from Light-Water-Cooled Power Reactors (Rev. 1, March 2007) To read: Calculation of Releases of Radioactive Materials in Gaseous and Liquid Effluents from Light-Water-Cooled Nuclear Power Reactors (Rev. 1, March 2007)
1005	AP-STD-0165	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.147	RG 1.147 is discussed in Subsection 5.2.4 and 6.6 and should be included in Table 1.9-201.	Add RG 1.147 as "1.147 Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1 (Rev. 15, October 2007)" and list FSAR Subsections 5.2.4 and 6.6.
2001			STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.147	Correction for information provided in response to RAI LTR 071	Update reference to "Rev. 15" dated "October 2007"
133	AP-STD-0075	1	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.149	Addition of RG cross-reference for internal consistency	Add reference to RG 1.149, which is identified in NEI 06-13A.
954			STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.149	RAI LTR 081 response to RAI 13.02.01-01, item 4	4. COLA Part 2, FSAR Chapter 1, Section 1.9, Table 1.9-201, will be revised to remove the FSAR reference to Appendix 13BB.2.1.3.4 from the entry for Regulatory Guide 1.149 and replace it with 13.2 (NEI 06-13A). (This Regulatory Guide entry and its FSAR reference were added to Table 1.9-201 by Errata item AP-STD-075.)
2002			STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.159	Correction for information added in response to RAI LTR 071	Correct the FSAR reference from "Table 8.1-201" to read "Not referenced; see Appendix 1AA"

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1080	AP-STD-0240	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.160 & 1.182	NRC has approved this TR. Add an "A" denoting approval.	For the Reg. Guide 1.160 and 1.182 entries, change "NEI 07-02" to "NEI 07-02A"
2066			STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.183	Correction for information added in response to RAI LTR 071	Correct the RG date from "July 20000" to read "July 2000"
2003			STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.197	Correction for information added in response to RAI LTR 071	Correct the FSAR reference to include the month of "February" with the RG date
2067			STD	Pt 02	FSAR 01	01.09.T / T1.9-201 1.202	Correction for information added in response to RAI LTR 071	Correct the FSAR reference to include the month of "February" with the RG date
1520	AP-STD-0325	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-201 8.000	Conforming change based on removal of paragraph from Appendix 12AA in errata AP-STD-0282	Remove cross-reference to Appendix 12AA from the following Division 8 Regulatory Guides: 8.2, 8.4, 8.5, 8.6, 8.7, 8.9, 8.13, 8.15, 8.27, 8.28, 8.29, 8.34, 8.35, 8.36, 8.38
1028	AP-STD-0188	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh01	Incorrect SRP section title	In the title for SRP 2.3.4, the word "Atmospheric" should be relocated to directly follow "Short-term"; "Accidental" should be shortened to "Accident"; and "term" should be "Term"
1029	AP-STD-0189	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh02	Incorrect SRP section title	Correct the title for SRP 2.3.5 to state "Long-Term Atmospheric Dispersion Estimates for Routine Releases."
1030	AP-STD-0190	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh02	Incorrect SRP section title	Change "Flooding" to "Hazards" in the section title for SRP 2.4.6
1031	AP-STD-0191	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh02	Incorrect SRP section title	In the section title for SRP 2.4.13, add the word "Radioactive" just prior to "Liquid."
1032	AP-STD-0192	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh05	Incorrect SRP section title	In the section title for SRP 3.7.1, delete the words "System Analysis."
1033	AP-STD-0193	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh06	Incorrect SRP section title	In the section title for SRP 3.9.2, change the words "Components, and Equipment" to "Structures, and Components."
1034	AP-STD-0194	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh07	Incorrect SRP section title	In the section title for SRP 5.3.2, add the words ", Upper-Shelf Energy," directly following the word "Limits."
1035	AP-STD-0195	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh07	Incorrect SRP section title	In the section title for SRP 5.4, add the words "Reactor Coolant System" directly before the word "Components" and remove "s" from "Components"
134	AP-STD-0076	1	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh09	The DCD (through reference to the WCAP on SRP compliance) sufficiently addresses containment spray system; thus, the SRP compliance is acceptable and notes d, e, and f encompass both the DCD compliance and operational aspects	Change the FSAR Position and Comments/Summary of Exceptions columns for SRP 6.1.1 to read, "Acceptable" and "See Notes d, e, and F", respectively
1454	AP-STD-0259	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh11	Current reference is a draft document. FSAR	Revise Title of SRP 6.2.1.1.B to read "Ice Condenser Containments, Rev. 2, 07/1981"

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							should assess conformance to approved documents.	
994	AP-STD-0154	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh11 & Sh27	Consistency (see 5.4.8 for example)	Entries for BWR and ice condenser related SRPs should state "N/A" under FSAR Position, rather than "See Notes d and e" under comments. This applies to the following SRP entries: 6.2.1.1.B, 6.2.1.1.C, and 15.4.9.
1036	AP-STD-0196	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh12	Incorrect SRP section title	In the section title for SRP 6.6, add the words "and Testing" directly before the word "of."
1455	AP-STD-0260	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh12	Current reference is a draft document. FSAR should assess conformance to approved documents.	Revise Title of SRP 6.5.4 to read "Ice Condenser as a Fission Product Cleanup System, Rev. 4, 12/1988"
1456	AP-STD-0261	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh12	Current reference is a draft document. FSAR should assess conformance to approved documents.	Revise Title of SRP 6.7 to read "Main Steam Isolation Valve Leakage Control System (BWR), Rev. 2, 07/1981"
1037	AP-STD-0197	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh14	SRP Section 9.2.3 has been withdrawn.	Delete the entire entry for SRP 9.2.3
1038	AP-STD-0198	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh15	Incorrect SRP section title	In the section title for SRP 9.5.8, add the word "System" to the end of the title.
983	AP-STD-0143	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh16	The exception for 11.2 states that "The Liquid Tank Failure Analysis is presented in FSAR 2.4.13 to maintain consistency with the DCD." This is consistent with the SRP and thus, no exception is needed.	Revise the Position for SRP 11.2 from "Exception" to "Acceptable" and the Comments to read "See Notes d, e, and f." The exception statement regarding FSAR 2.4.13 is deleted.
1039	AP-STD-0199	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh16	Incorrect SRP section title	In the section titles for SRP 11.3 and SRP 11.4, change "Systems" to just "System."
995	AP-STD-0155	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh17	Editorial	Entry for SRP 12.1 in the comments column should state RG 8.20 vs RD 8.20
135	AP-STD-0077	1	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh19	Addition/clarification of exception	Add the following discussion to the "Exception" statement for SRP 13.1.1: "Resumes and/or other documentation of qualification and experience of initial appointees to appropriate management and supervisory positions are available for NRC after position vacancies are filled."
142	AP-STD-0084	1	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh19	Correction of cross-reference	In Comments/Summary of Exceptions column for SRP 13.1.1, second paragraph, change Appendix 13A to Appendix 13AA
1236	AP-STD-0033c	1	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh21 & Sh22	Editorial - consistency in use of NEI-06-13-A	change "NEI-06-13" to "NEI-06-13A"
1475	AP-STD-0280	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh23	Consistency	For SRP 14.3, add ", Initial Issuance, 03/2007" For SRP 14.3.5, 14.3.6, 14.3.7, and 14.3.8, revise "03/07" to "03/2007"
1040	AP-STD-	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202	Incorrect SRP section title	Change the section title for SRP 15 to read: "Introduction - Transient and Accident"

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
	0200					Sh24		Analysis"
1041	AP-STD-0201	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh25, 27, 28	Per SRP listing on NRC web, these are no longer current. These SRP sections do not apply to new license applications.	Delete the entries for SRP sections 15.1.5.A, 15.4.9.A, 15.6.2, 15.6.3, 15.6.4, 15.6.5.A, 15.6.5.B, 15.6.5.D, 15.7.4, and 15.7.5.
1042	AP-STD-0202	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh26	Incorrect SRP section title	In the section title for Section 15.4.3, add the word "Error" after the word "Operator."
1081	AP-STD-0241	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh29	NRC has approved this TR. Adding an "A" to denote approval.	For the SRP 17.6 entry, change "NEI 07-02" to "NEI-07-02A."
1538			STD	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh29	Editorial - consistency in citations	For SRP 17.5, change the last sentence of the Comments column from "NEI 06-14" to "NEI 06-14A"
1950			BLN	Pt 02	FSAR 01	01.09.T / T1.9-202 Sh29	RAI LTR 015S response to RAI 17.05-12 item 1	1. COLA Part 2, FSAR Chapter 1, Section 1.9, Table 1.9-202, will be revised To read: 17.1 Quality Assurance During the Design and Construction Phases, Rev. 2, 07/1981 Acceptable See Notes d, e, and f. This section covers the requirements of SRP Section 17.1 through reference to quality assurance plan which is maintained separately as described in FSAR Sections 17.1 and 17.5.
2153		2	STD	Pt 02	FSAR 01	01.09.T / T1.9-203	Editorial - Note (j) should match DCD note.	Correct Note (j) added by Qb 996 to reference Draft NUREG-01512 rather than Draft NUREG-0612.
1461	AP-STD-0266	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-203 Sh04	WEC DCD TR134 Rev 4 update per DCD change item NRC210	Revise item II.B.5(1) to read "Behavior of Severely Damaged Fuel" - Correct from "Damages"
1462	AP-STD-0267	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-203 Sh07	WEC DCD TR134 Rev 4 update per DCD change item NRC210	Revise item III.C.2(2) to add an "s" to the word "Member" to read "Provide Training for Members of the Technical Staff"
996	AP-STD-0156	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-203 Sh15	For entry 43, column for screening criteria includes note j, however, note j is not defined at end of table. Note (j) is taken directly from DCD.	Add Note (j) at end of Table 1.9-203 to read "The AP600 DSER (Draft NUREG-0612) identified this item as required to be discussed."
1457	AP-STD-0262	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-204 Sh01	Inadvertent omission from Rev 0	For Bulletin 80-15, include in Comment column an additional subsection listing of "9.5.2.2.3.1"
1043	AP-STD-0203	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-204 Sh03	Incomplete GL title	In title for Generic Letter 82-18, "Requalification" directly before "Examinations."
1044	AP-STD-0204	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-204 Sh03	Incorrect document date	For Generic Letter 84-10, change "(5/84)" to "(4/84)."
1045	AP-STD-0205	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-204 Sh04	This GL is not referenced in the FSAR and the DCD evaluation is sufficient.	Delete the entry for Generic Letter 85-05
1046	AP-STD-0206	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-204 Sh04	Incorrect GL title	In the title for Generic Letter 89-07, change "Service" to "Surface."
1048	AP-STD-0208	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-204 Sh04	Acronym correction	In the title for Generic Letter 88-05, change "PAR" to "PWR."

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1458	AP-STD-0263	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-204 Sh04	Inadvertent omission from Rev 0	Add listing for "Generic Letter 88-14 Instrument Air Supply System Problems Affecting Safety-Related Equipment (8/88)" 9.3.7"
1047	AP-STD-0207	2	STD	Pt 02	FSAR 01	01.09.T / T1.9-204 Sh05	Correction to GL title	In the title for Generic Letter 91-16, change "Operator" to "Operators'."
1459	AP-STD-0264	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-204 Sh05	Inadvertent omission from Rev 0	Add listing for "Generic Letter 89-08 Erosion/Corrosion-Induced Pipe Wall Thinning (5/89)" 10.1.3.1"
1519	AP-STD-0324	3	STD	Pt 02	FSAR 01	01.09.T / T1.9-204 Sh06	Correction of referenced FSAR section.	Generic Letter 06-03 is referenced to FSAR Section 9.5.1, and should be referenced to Section 9.5.1.8
998	AP-STD-0158	2	STD	Pt 02	FSAR 01	01.10.03	format consistency	Add horizontal separator line at end of this section
136	AP-STD-0078	1	STD	Pt 02	FSAR 01	01.10.T / T1.10-201 Sh02	Editorial - correction of mis-spelled word	In the fourth bullet for the Construction Activity Hazard of Boring, Drilling, Pile Driving, Dredging, Demolition, Excavation, change "Lope" to "Slope"
1078	AP-STD-0238	2	STD	Pt 02	FSAR 01	01.B	LMA inadvertently omitted	Add LMA STD SUP 1B-1
137	AP-STD-0079	1	STD	Pt 02	FSAR 01	01AA RG 0.000	Editorial - consistency in citation	Change "Reg. Guide" to "Regulatory Guide" in the title of the Regulatory Guides listed in this appendix
947			STD	Pt 02	FSAR 01	01AA RG 1.000	RAI LTR 066 response to RAI 01-05 item 6	6. COLA Part 2, FSAR, Chapter 1, Appendix 1AA will be revised from the current wording to include numerous new or revised Regulatory Guide conformance statements.
1018	AP-STD-0178	2	STD	Pt 02	FSAR 01	01AA RG 1.016	consistency	For Reg. Guide 1.16, change "C.I.a" to "C.1.a"
801			STD	Pt 02	FSAR 01	01AA RG 1.021	RAI LTR 043 response to RAI 11.05-01 item 4	4. COLA Part 2, FSAR, Chapter 1, Appendix 1AA, conformance with Regulatory Guide 1.21 Rev. 1, C.6 will be revised from: C.6 Exception ANSI N13.1-1999 is used. To read: C.6 Conforms
1205			BLN	Pt 02	FSAR 01	01AA RG 1.023	RAI LTR 096 response to RAI 02.03.03-03	COL Part 2, FSAR, Appendix 1AA will be revised To read: Reg. Guide 1.23, Rev. 1, 3/07 - Meteorological Monitoring Programs for Nuclear Power Plants General Exception Sampling interval for temperature and dew point during siting activities based on guidance in effect at the beginning of the program General Conforms Plant operations phase program will conform.
1496	AP-STD-0301	3	STD	Pt 02	FSAR 01	01AA RG 1.028 RG 1.33	SUPERSEDED by Qb 947 - RG 1.33 - TR134, R5 item NRC247. RG 1.28 - conforming change to correct omission of DCD reference in Appendix 1AA	In Appendix 1AA, for RG 1.28, add the following sentences after the title that state, "Conformance of the design and construction aspects is as stated in the DCD. Conformance with Revision 3 of this Regulatory Guide for programmatic and/or operational aspects is documented below." For RG 1.33; add the following sentences after the title that state, "Conformance of the design aspects is as stated in the DCD. Conformance with Revision 3 of this Regulatory Guide for programmatic and/or operational aspects is documented below."
769			STD	Pt 02	FSAR 01	01AA RG 1.037	SUPERSEDED by Qb 947 - RAI LTR 016 response to RAI 17.05-15	COLA Part 2, FSAR, Chapter 1, Appendix 1AA, will be revised to update the information for Regulatory Guide 1.37 conformance.



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1049	AP-STD-0209	2	STD	Pt 02	FSAR 01	01AA RG 1.075	Incorrect GL title	In the title for Reg. Guide 1.75, revise "Electric Systems" to "Electrical Safety Systems"
2068			STD	Pt 02	FSAR 01	01AA RG 1.091	Editorial - presentation consistency	In FSAR, Appendix 1AA, for RG 1.91, add "General" in the Criteria Section column preceding the "Conforms" in the "FSAR Position" column.
2187			BLN	Pt 02	FSAR 01	01AA RG 1.112	RG 1.112 Rev. 1 title conformance	Correct the Title of RG 1.112 from: Regulatory Guide 1.112, Rev. 1, 3/07 - Calculation of Releases of Radioactive Materials in Gaseous and Liquid Effluents from Light-Water-Cooled Power Reactors To Read: Regulatory Guide 1.112 Rev. 1, 3/07 - Calculation of Releases of Radioactive Materials in Gaseous and Liquid Effluents from Light-Water-Cooled Nuclear Power Reactors
1050	AP-STD-0210	2	STD	Pt 02	FSAR 01	01AA RG 1.116	Typographical error	Revise Reg. Guide 1.116, revision level from "O-R" to "0-R."
968	AP-STD-0128	2	STD	Pt 02	FSAR 01	01AA RG 1.129	The RG now references the 2002 version of the IEEE Standard.	Revise the Referenced Criteria from "IEEE Std 450-1975" to "IEEE Std 450-2002"
770			STD	Pt 02	FSAR 01	01AA RG 1.139	SUPERSEDED by Qb 947 - RAI LTR 016 response to RAI 17.05-17	COLA Part 2, FSAR Chapter 1, Appendix 1AA, will be revised to update the information for Regulatory Guide 1.139 conformance.
138	AP-STD-0080	1	STD	Pt 02	FSAR 01	01AA RG 1.145	Editorial - consistency in titles and revision status of RGs	Delete the parenthetical phrase, "(Revised 2/83 to correct page 1.145-7)," from the title of RG 1.143, and correct the title of RG 1.145 to read, "Regulatory Guide 1.145, Rev. 1, 11/82 (Revised 2/83 to correct page 1.145-7) - Atmospheric Dispersion Models for Potential Accident Consequence Assessments at Nuclear Power Plants"
249	AP-STD-0022	0	STD	Pt 02	FSAR 01	01AA RG 1.149	Provide correction citation of standard (3.2 should have been 3.5)	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" 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"
1006	AP-STD-0166a	2	STD	Pt 02	FSAR 01	01AA RG 1.150	SUPERSEDED by Qb 947 - RG 1.150 was withdrawn per 73 FR 7766, 02/11/2008 and had been inadvertently omitted from FSAR Appendix 1AA	In Appendix 1AA, add discussion of RG 1.150 to read "Reg. Guide 1.150, Rev. 1, 2/83 - Ultrasonic Testing of Reactor Vessel Welds During Preservice and Inservice Examinations Conformance with Revision 1 of the Regulatory Guide is documented in the DCD. Conformance of the design aspects is as stated in the DCD. The programmatic and/or operational aspects are not applicable since this guidance was withdrawn by NRC (Ref: 73 FR 776602/11/2008)."
2197			BLN	Pt 02	FSAR 01	01AA RG 1.150	Editorial - spelling correction	Spelling correction under RG 1.150 change 'guidance' to 'guidance'
805			STD	Pt 02	FSAR 01	01AA RG 1.152	SUPERSEDED by Qb 947 - RAI LTR 050 response to RAI 01-01 item 1	1. COLA Part 2, FSAR Chapter 1, Appendix 1AA, conformance with Regulatory Guide 1.152 will be updated.
946			STD	Pt 02	FSAR 01	01AA RG 1.161	RAI LTR 066 response to RAI 01-05 item 5	5. COLA Part 2, FSAR, Chapter 1, Appendix 1AA will be revised to remove the conformance statement for Regulatory Guide 1.161 Rev. 0. As indicated in the DCD,

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								this guidance is not applicable to the AP1000 design and the following will be deleted. Regulatory Guide 1.161, Rev. 0, 6/95 – Evaluation of Reactor Pressure Vessels with Charpy Upper-Shelf Energy Less Than 50 Ft-Lb. Conformance with the design aspects is as stated in the DCD. Conformance with Revision 0 of this Regulatory Guide for programmatic and/or operational aspects is documented below. General Conforms
1052	AP-STD-0212	2	STD	Pt 02	FSAR 01	01AA RG 1.176	This RG has been withdrawn per 73 FR 7766, 02/11/2008	Delete the entry for Reg. Guide 1.176
621			BLN	Pt 02	FSAR 01	01AA RG 1.180	SUPERSEDED by Qb 947 - RAI LTR 025 response to RAI 08.01-01	COLA Part 2, FSAR Chapter 1, Appendix 1AA, conformance statement for RG 1.180 will be updated.
1541			BLN	Pt 02	FSAR 01	01AA RG 1.180	SUPERSEDED by Qb 947 - RAI LTR 025 response to RAI 08.01-01	COLA Part 2, FSAR Chapter 1, Appendix 1AA, conformance statement for RG 1.180 will be updated.
1464	AP-STD-0269	3	STD	Pt 02	FSAR 01	01AA RG 1.197	SUPERSEDED by Qb 947 - WEC DCD TR134 Rev 0 update per DCD change item NRC140	For RG 1.197 entry add the following text between the number and title entry and the "General Conforms" line item - "Conformance of the design aspects is as stated in the DCD. Conformance with Revision 0 of this Regulatory Guide for programmatic and/or operational aspects is documented below."
139	AP-STD-0081	1	STD	Pt 02	FSAR 01	01AA RG 1.208	Editorial – correction of mis-spelled word	In the third line of the exception statement for Regulatory Guide 1.208, change "weer" to "were"
2047		2	STD	Pt 02	FSAR 01	01AA RG 4.015	Add justification per NRC verbal request.	Revise conformance statement in Appendix 1AA for RG 4.15 compliance to include the following justification: Currently reads: ... Will be followed. To read: ... Will be followed as per the justification provided in FSAR Subsection 11.5.3.
1053	AP-STD-0213	2	STD	Pt 02	FSAR 01	01AA RG 5.009	Typographical error	In the title for Reg. Guide 5.9, delete the final "s" in "Measurements."
1054	AP-STD-0214	2	STD	Pt 02	FSAR 01	01AA RG 5.012	Typographical error	In the title for Reg. Guide 5.12, delete the "s" in "Controls."
1430			STD	Pt 02	FSAR 01	01AA RG 8.006	RAI LTR 109 response to RAI 12.03-12.04-05 item 2	2. COLA Part 2, FSAR. Chapter 1, Appendix 1AA, Regulatory Guide 8.6 will be revised. To read: Reg. Guide 8.6, Rev. 0, 5/73 – Standard Test Procedure for Geiger-Muller Counters General Exception Instrument calibration program is based upon criteria in ANSI N323A-1997(with 2004 Correction Sheet) "Radiation Protection Instrumentation Test and Calibration, Portable Survey Instruments."
1055	AP-STD-0215	2	STD	Pt 02	FSAR 01	01AA RG 8.027	Incorrect revision date	For Reg. Guide 8.27, change the revision date to "3/81."
1410			STD	Pt 02	FSAR 01	01AA RG 8.028	RAI LTR 106 response to RAI 01-10	COLA Part 2, FSAR. Chapter 1, Appendix 1AA will be revised To read: Reg. Guide 8.28, Rev. 0, 8/81 – Audible-Alarm Dosimeters General ANS1 N13.27- Conforms 1981
948			STD	Pt 02	FSAR 01	01AA RG Note	RAI LTR 066 response to	7. COLA Part 2, FSAR, Chapter 1, Appendix 1AA will be revised to include the

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							RAI 01-05 item 7	following new note: Note - Above stated general alternatives regarding the use of previous revisions of the Regulatory Guide for design aspects as stated in the DCD is provided to preserve the finality of the certified design. Further, each stated conformance with the programmatic and/or operational aspects is only to the extent that a design change or departure from the approved DCD is not required to implement those programmatic and/or operational aspects.
1502	AP-STD-0307	3	STD	Pt 02	FSAR 02	02.00	Consistency with other IBR statements	Add hyperlink to introductory information in DCD
1260	BLN-0013	2	BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh00	Editorial - Consistency of number of sheets contained in table, Table header inadvertently omitted from final sheet	Revise Table number to reflect 6 sheets and add headers to 6th sheet with Notes.
815			BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh01	RAI LTR 022 S01 response to RAI 02.03.01-08 item 1	1. COLA Part 2, FSAR Chapter 2, Table 2.0-201, Air Temperature Site Characteristic entries will be updated.
1487	AP-STD-0292	3	STD	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh01	SUPERSEDED by Qb 2076 - Change per TR134, Rev. 5, Item NRC 263 (Tier 1, Table 5.0-1) and 264 (Tier 2, Table 2-1)	Revise the air temperature parameters to read as follows: Maximum Safety 115°F dry bulb/86.1°F coincident wet bulb 86.1°F wet bulb (noncoincident)(h) Maximum Normal 101°F dry bulb/80.1°F coincident wet bulb
2076			STD	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh01	Correction to alleviate duplicate note lettering - revises QB 1487 note location and letter from h to i	Revise the air temperature parameters to read as follows: Maximum Safety 115°F dry bulb/86.1°F coincident wet bulb(i) 86.1°F wet bulb (noncoincident) Maximum Normal 101°F dry bulb/80.1°F coincident wet bulb
1250	BLN-0003	0	BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh02	SUPERSEDED - Incorporated into Qb 1299 - Revise to match TR-144 revision to DCD Tier 1 Table 5.0-1 for SSE	On Sheet 2, for Seismic - SSE parameters, revise "AP1000 DCD Site Parameter" column 10 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."
1299			BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh02	SUPERSEDED by Qb 1543 - RAI LTR 110 response to RAI 03.07.01-01 item 1 BLN Site Characteristic wording	1. COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, Seismic - SSE entries will be updated.
1420			BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh02	SUPERSEDED by Qb 1543 - RAI LTR 112 response to RAI 19-04 item 2	2. COLA Part 2, FSAR. Chapter 2, Table 2.0-201 Seismic SSE entries will be updated.
1431	BLN-0017	3	BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh02	Correct error in Rev 0 NOTE that Sheet 6 change to Note (g) is SUPERSEDED / incorporated into Qb 1300	Add superscript note "(g)" to BLN Site Characteristic entry of "Peak ground acceleration = 0.24g" - Also revise last Notes item from "(f)" to "(g)" so that there are not two note (f)'s
1432	BLN-0018	3	BLN	Pt 02	FSAR 02	02.00.T / T2.0-201	SUPERSEDED -	For Seismic - SSE parameter, revise "AP1000 DCD Site Parameter" column to

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
						Sh02	Incorporated into Qb 1299 - WEC DCD TR134 Rev 4 update per DCD change item NRC 205 and 207	match TR134 revision 4 change to DCD Tier 1 Table 5.0-1 and Tier 2 Table 2-1 for SSE.
1489	AP-STD-0294	3	STD	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh02	SUPERSEDED by Qb 2072 - Change per TR134, Rev. 5, Items NRC 223 (Tier 1, Table 5.0-1) and 224 (Tier 2, Table 2-1)	Under the Soil category, revise the Maximum Allowable Dynamic Bearing Capacity for Normal Plus SSE parameter to add the following: ", or Site-specific analyses demonstrate factor of safety appropriate for normal plus safe shutdown earthquake loads"
1543			BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh02	Combine RAI LTR 110 and LTR 112 responses - This change SUPERSEDES BLN Site Characteristic change info in both letters.	COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, Seismic - SSE entry for BLN Site Characteristic will be revised to read: Peak ground acceleration = 0.24g(g) High frequency exceedances of the horizontal ground motion response spectra have been evaluated by Westinghouse and these exceedances will not adversely affect the systems, structures or components of the plant.
2072			STD	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh02	WEC DCD Rev 17 conforming change	Under the Soil category, revise the Maximum Allowable Dynamic Bearing Capacity for Normal Plus SSE parameter to match the language in WEC DCD Rev 17.
2073			STD	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh02	WEC DCD Rev 17 conforming change	Under the Soil category, revise the Average Allowable Static Bearing Capacity parameter to match the language in WEC DCD Rev 17.
2074			STD	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh02	WEC DCD Rev 17 conforming change	Under the Soil category, revise the Lateral Variability parameter to match the language in WEC DCD Rev 17.
1433	BLN-0019	3	BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh03	SUPERSEDED by Qb 2074 - WEC DCD TR134 Rev 4 update per DCD change item NRC 205 and 207	For Soil - Lateral Variability parameter, revise "AP1000 DCD Site Parameter" column to match TR134 revision 4 change to DCD Tier 1 Table 5.0-1 and Tier 2 Table 2-1 for SSE.
1434	BLN-0020	3	BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh03	WEC DCD TR134 Rev 4 update per DCD change item NRC 205 and 207	For Soil - Liquefaction Potential parameter, revise "AP1000 DCD Site Parameter" column to match TR134 revision 4 change to DCD Tier 1 Table 5.0-1 and Tier 2 Table 2-1 for SSE.
1435	BLN-0021	3	BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh03	WEC DCD TR134 Rev 0 update per DCD Tier 2, Table 2-1 change item NRC 171	Add new parameter entry of "Minimum Soil Angle of Internal Friction" - a corresponding new AP1000 DCD Site Parameter entry of "Greater than or equal to 35 degrees below footprint of nuclear island at its excavation depth" - with a corresponding BLN Site Characteristic entry of "46 degrees" - with a corresponding BLN FSAR Reference entry of "Subsection 2.5.4.10.2" - and with a corresponding BLN Within Site Parameter entry of "Yes"
1546			STD	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh03	WEC DCD Rev 17 conforming change	Revise Shear Wave Velocity AP1000 DCD Site Parameter to read: Greater than or equal to 1,000 ft/sec based on minimum low-strain soil properties over the footprint of the nuclear island at its excavation depth
1490	AP-STD-0295	3	STD	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh04	Change per TR134, Rev. 5, Items NRC 265 (Tier 1, Table 5.0-1) and 266 (Tier 2, Table 2-1)	Under the Precipitation category, change the Rain parameter to read: "20.7 in./hr [1-hr 1-mi2 PMP]"
866			BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh05	RAI LTR 076 response to RAI 02.03.05-02 item 1 NOTE editorial correction to letter to "Table 2.3-325" and "Table 2.3-328"	1. COLA Part 2, FSAR, Chapter 2, Section 2.0, Table 2.0-201, sheet 5 of 5, row 3, will be revised from: Site Boundary (annual average) 2.0 x 10-5 sec/m3 0.14 x 10-5 sec/m3 Table 2.3-325 Yes To read: Site Boundary (annual average)

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								2.0 x 10 <sup>-5</sup> sec/m <sup>3</sup> 0.28 x 10 <sup>-5</sup> sec/m <sup>3</sup> Table 2.3-328 Yes
1549			BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh05	WEC DCD R17 conforming change and BLN / NRC meeting of 20081103.	COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, AP1000 Site Parameter Atmospheric Dispersion Values are revised to 5.1x10 <sup>-4</sup> sec/m <sup>3</sup> at Site Boundary, 2.2x10 <sup>-4</sup> sec/m <sup>3</sup> at LPZ for the time period 0-8 hours, 1.6x10 <sup>-4</sup> sec/m <sup>3</sup> at LPZ for the time period 8-24 hours, and 1.0x10 <sup>-4</sup> sec/m <sup>3</sup> at LPZ for the time period 24-96 hours.  BLN Within Site Parameter column entry is revised from Yes to No(j) for the Site Boundary (0-2 hr) only.
1981			BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh05	BLN-RAI-LTR-127 in response to NRC No. 02.03.01-011	3. COLA Part 2, FSAR Chapter 2; Table 2.0-201 (Sheet 5 of 5), BLN Site Characteristic for Snow/Ice will be revised from: 10.4 pounds per square foot To read: 15.1 pounds per square foot on ground
2140			BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh05	BLN RAI LTR 129S response to 15.00.03-1, item 1	COLA Part 2, FSAR, Chapter 2, Tables 2.0-201 (Sheet 5 of 5) and 2.0-202 (Sheet 2 of 3) will be revised to read as shown below.  (Refer to the final RAI letter posted in eB for correct table formatting)
1261	BLN-0014	2	BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh06	Editorial - Incorrect label sequence	Revise second Note f to become Note g
1300			BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh06	RAI LTR 110 response to RAI 03.07.01-01 item 2	2. COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201, Seismic - SSE entry footnotes will be revised from: f) With ground response spectra as given in DCD Figures 3.7.1-1 and 3.7.1-2. Seismic input is defined at finished grade except for sites where the nuclear island is founded on hard rock.  To read: g) With ground response spectra as given in DCD Figures 3.7.1-1 and 3.7.1-2. Seismic input is defined at finished grade except for sites where the nuclear island is founded on hard rock. h) Sites that fall within the hard rock high frequency GMRS given in DCD Figures 31.1-1 and 31.1-2 are acceptable.
1488	AP-STD-0293	3	STD	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh06	Change per TR134, Rev. 5, Item NRC 264 (Tier 2, Table 2-1) - Revised by Qb 2077 to reletter from (h) to (i)	Add a note (h) to the Notes at the end of the table to read: "The containment pressure response analysis is based on a conservative set of dry-bulb and wet-bulb temperatures. These results envelop any conditions where the dry-bulb temperature is 115°F or less and wet-bulb temperature of less than or equal to 86.1°F."
2026			BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh06	WEC DCD R17 conforming change and BLN / NRC meeting of 20081103.	COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-201 - Add Note (j)
2077			STD	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh06	Correction to alleviate duplicate note lettering	Relletter new note (h) to note (i)
2078			BLN	Pt 02	FSAR 02	02.00.T / T2.0-201 Sh06	WEC DCD Rev 17 conforming change	Revise Table 2.0-201 Note (c) to match revised wording from DCD Rev 17
2100			BLN	Pt 02	FSAR 02	02.00.T / T2.0-202	WEC DCD Rev 17 conforming change	FSAR Table 2.0-202, revise each header from "Control Room" to "Annex Building"

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
588			BLN	Pt 02	FSAR 02	02.00.T / T2.0-202 Sh01	RAI LTR 012 response to RAI 06.04-01 item 1	COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-202, column headings (two) will be revised from: "Steam Vent" To read: "Steam Line Break Releases"
1436	BLN-0022	3	BLN	Pt 02	FSAR 02	02.00.T / T2.0-202 Sh01	WEC DCD TR134 Rev 4 update per DCD Tier 1, Table 5.0-1 change item NRC201 and Tier 2, Table 2-1 change item NRC 202	Reformat Table to address Condenser Air Removal Stack and revise notes (e) and (f) and add new note (g)
1548			BLN	Pt 02	FSAR 02	02.00.T / T2.0-202 Sh02	Editorial - typographical error in original submittal	COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-202, value at HVAC Intake for PORV and Safety Valve Releases for the time period 0-2 hours should be revised from 1.0E-4 to 1.0E-2.
1550			BLN	Pt 02	FSAR 02	02.00.T / T2.0-202 Sh02	WEC DCD Rev 17 conforming change	COLA Part 2, FSAR Chapter 2, Section 2.0, Table 2.0-202, DCD Atmospheric Dispersion Values are revised at HVAC Intake for the Ground Level Release Points to 3.6E-3 for the time period 2-8 hours, and 1.4E-3 for the time period 8-24 hours.
2079			BLN	Pt 02	FSAR 02	02.00.T / T2.0-202 Sh02	WEC DCD Rev 17 conforming change	FSAR Table 2.0-202, table header for HVAC Intake for the Ground Level Release Points is modified to include new note (h)
2341			BLN	Pt 02	FSAR 02	02.00.T / T2.0-202 Sh02	BLN RAI LTR 129S response to 15.00.03-1, item 1	COLA Part 2, FSAR, Chapter 2, Tables 2.0-201 (Sheet 5 of 5) and 2.0-202 (Sheet 2 of 3) will be revised to read as shown below.  (Refer to the final RAI letter posted in eB for correct table formatting)
2080			BLN	Pt 02	FSAR 02	02.00.T / T2.0-202 Sh03	WEC DCD Rev 17 conforming change	FSAR Table 2.0-202, add new note (h) to read: The LOCA dose analysis models the ground level containment release point HVAC intake atmospheric dispersion factors. Other analyses model more conservative values.
1968			BLN	Pt 02	FSAR 02	02.01.01.01	Editorial correction. Improper word use.	Change FSAR Subsection 2.1.1.1, 1st paragraph, 9th and 10th sentences, by replacing "show" with "shown"
2144			BLN	Pt 02	FSAR 02	02.01.03.02	Editorial correction of figure reference.	Text change on first line: Revise from: Figure 2.1-205 To read; Figure 2.1-207, correct link
1441	BLN-0027	3	BLN	Pt 02	FSAR 02	02.01.03.03.02.01	Editorial - Reference placed in incorrect location	Move "Reference 213" from 2nd line of page 2.1-8 to end of page 2.1-7, after "third week of May"
1969			BLN	Pt 02	FSAR 02	02.01.03.03.02.03	This change is based on updated workforce estimates that were provided in response to NRC Information Needs ER-09 and ER-31. These changes were provided to the NRC in TVA's ER LTR 09 [ML081900518] and included in Revision 1 to the BLN Environmental Report.	Change FSAR Subsection 2.1.3.3.2.3, to read: Temporary workers for construction of the new BLN facility are expected to be accommodated in Jackson and DeKalb counties, Alabama, where approximately 1197 rental properties were available in 2000 (References 201 and 224). During the peak construction period, it is estimated that an on-site workforce of approximately 3900 will be required, including a construction workforce of approximately 3250 and approximately 650 operations workers (including security personnel). Half of these workers are expected to be in-migrants to the vicinity (Reference 216).
2348			BLN	Pt 02	FSAR 02	02.01.03.03.02.03	Editorial correction of reference	3. Section 2.1.3.3.2.3 - Revise 1st sentence of 1st paragraph from: Temporary workers for construction of the new BLN facility are expected to be

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								accommodated in Jackson and DeKalb counties, Alabama, where approximately 1197 rental properties were available in 2000 (References 201 and 224). To read: Temporary workers for construction of the new BLN facility are expected to be accommodated in Jackson and DeKalb counties, Alabama, where approximately 1197 rental properties were available in 2000 (References 201).
2242			BLN	Pt 02	FSAR 02	02.01.05	Editorial correction of reference	1) Section 2.1.5 - Reference 201 Revise:U.S. Census Bureau, QT-H1, General Housing Characteristics: 2000. Data Set: Census 2000 Summary File 1 (SF 1) 100-Percent Data for DeKalb County, Alabama, website, http://factfinder.census.gov, accessed on November 29, 2006. To read: U.S. Census Bureau, QT-H1, General Housing Characteristics: 2000. Data Set: Census 2000 Summary File 1 (SF 1) 100-Percent Data for DeKalb County, Alabama, website, http://factfinder.census.gov, accessed on February 12, 2007. 2. Section 2.1.5 - Reference 224: Replace cited reference with Not used.
1204			BLN	Pt 02	FSAR 02	02.01F / F2.1-201	RAI LTR 096 response to RAI 02.03.03-02	COLA Part 2, FSAR Figures 2.3-288 and 2.1-201 are revised as shown in Attachments 02.03.03-02A and 02.03.03-02B, respectively.
1022	AP-STD-0182	2	STD	Pt 02	FSAR 02	02.02	Incorrect spelling	In the last paragraph, change "accomodate" to "accommodate"
1445	BLN-0031	3	BLN	Pt 02	FSAR 02	02.02, 02.02.01	TR134, R5 item NRC258. Although the LMA for this information is site-specific, due to use of the plant name, the information is standard for all plants falling within the AP1000 typical site plan. Other sites should replace [NPP] with the site designation (e.g., WSL, VEGP, VCS, LNP, HAR)	Add LMAs of BLN COL 3.3-1 and BLN COL 3.5-1 to the wording of these sections
453			BLN	Pt 02	FSAR 02	02.02.02.02.02	RAI LTR 035 response to RAI 02.02.01-02.02.02-01	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.2.2.2.2, will be revised from: Table 2.2-203 lists hazardous materials reported to the Jackson County Emergency Management Agency stored on site. To read: Table 2.2-203 lists maximum amounts of hazardous materials stored at Maple Industries. 2. COLA Part 2, FSAR, Chapter 2, Table 2.2-203 will be replaced in its entirety as provided in the response to NRC RAI No. 02.02.03-03 (see response to NRC RAI Letter No. 036).
457			BLN	Pt 02	FSAR 02	02.02.02.02.04	SUPERSEDED by Qb 645	See Letter #36 Draft Response 20080627
645			BLN	Pt 02	FSAR 02	02.02.02.02.04	RAI LTR 036 response to RAI 02.02.03-04 item 1	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.2.2.2.4, will be revised from: Great Western Products has no plans to expand this manufacturing facility (Reference 206). According to the Jackson County Emergency Management Agency, no hazardous materials are listed as being stored at this location. To read: Great Western Products has no plans to expand this manufacturing facility

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								(Reference 206). A list of potentially hazardous materials stored at this location is shown in Table 2.2-215.
1970			BLN	Pt 02	FSAR 02	02.02.02.04	The location of this dock was determined to contain unnecessary information related to infrastructure and resources.	Change FSAR Subsection 2.2.2.4, 2nd paragraph, by deleting the location of the Stevenson Mill dock at the end of the last sentence, beginning with "located" and ending with "consumption."
634			BLN	Pt 02	FSAR 02	02.02.03.01.01	RAI LTR 036 response to RAI 02.02.03-03 item 3	3. COLA Part 2, FSAR, Chapter 2, Subsection 2.2.3.1.1, will be revised to add a general discussion of determination of safe standoff distances.
648			BLN	Pt 02	FSAR 02	02.02.03.01.01	DUPLICATE INFO - RAI LTR 036 response to RAI 02.02.03-04 item 4	4. COLA Part 2, FSAR, Chapter 2, Subsection 2.2.3.1.1, will be revised to add the general discussion of determination of safe standoff distances as shown in the response to NRC RAI No. 02.02.03-03
2081			BLN	Pt 02	FSAR 02	02.02.03.01.01	Editorial revisions	Revise first sentence of FSAR Subsection 2.2.3.1.1 to define acronym VCE at first use. Also revise the "ft3" to ft<sup>3</sup> for both pvapor and pliquid in the explanations following Equation (5). Finally, revise the HCTNT to read HC<sub>3</sub>TNT in the line just after equation 3 to match the equation.
625			BLN	Pt 02	FSAR 02	02.02.03.01.01.01	RAI LTR 036 response to RAI 02.02.03-01 item 1	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.2.3.1.1.1, will be revised from: For these two commodities of interest... ..for each commodity. To read: Additional detailed shipment information was obtained from the U.S. Army Corps of Engineers Waterborne Commerce Statistics Center (WCSC) and used to develop reasonably bounding assumptions regarding the amount of each commodity included in a single barge shipment past the BLN site. This WCSC data also provided shipping frequency (pass-the-point data) for each commodity.
626			BLN	Pt 02	FSAR 02	02.02.03.01.01.01	RAI LTR 036 response to RAI 02.02.03-01 item 2	2. COLA Part 2, FSAR, Chapter 2, Subsection 2.2.3.1.1.1, will have information inserted after the third paragraph on page 2.2-13 to address Spill Frequency on the Tennessee and Associated Rivers.
631			BLN	Pt 02	FSAR 02	02.02.03.01.01.03	RAI LTR 036 response to RAI 02.02.03-02	COLA Part 2, FSAR, Chapter 2, Subsection 2.2.3.1.1.3 will be revised to update the information on The Fuel Center.
632			BLN	Pt 02	FSAR 02	02.02.03.01.01.03	RAI LTR 036 response to RAI 02.02.03-03 item 1	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.2.3.1.1.3, will be revised to add the following sentence after the last paragraph: The masses of commodities involved in fixed location vapor cloud explosions are summarized in Table 2.2-214.
646			BLN	Pt 02	FSAR 02	02.02.03.01.01.03	DUPLICATE INFO - RAI LTR 036 response to RAI 02.02.03-04 item 2	2. COLA Part 2, FSAR, Chapter 2, Subsection 2.2.3.1.1.3, will be revised to add the following new sentence to the end of the last paragraph as shown in the response to NRC RAI No. 02.02.03-03.
651			BLN	Pt 02	FSAR 02	02.02.03.01.02	RAI LTR 036 response to RAI 02.02.03-05	COLA Part 2, FSAR, Chapter 2, Subsection 2.2.3.1.2, will be revised to include updated information.
654			BLN	Pt 02	FSAR 02	02.02.03.01.03	RAI LTR 036 response to RAI 02.02.03-07 item 1	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.2.3.1.3, will be revised to include updated information.
2083			BLN	Pt 02	FSAR 02	02.02.03.01.03	Editorial corrections.	Change the revised text in COLA Part 2, FSAR, Chapter 2, Subsection 2.2.3.1.3, to address editorial corrections. (NOTE: This text was provided in TVA's RAI Letter #036, in response to RAI 2.2.3-7, Item 1.)
652			BLN	Pt 02	FSAR 02	02.02.03.01.03.02.02	RAI LTR 036 response to	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.2.3.1.3.2.2, will be revised to include



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							RAI 02.02.03-06 item 1	updated information.
1552			BLN	Pt 02	FSAR 02	02.02.04	Editorial - correct references as indicated by LMA identifiers	COLA Part 2, FSAR, Section 2.2.4, will be revised to read: This COL item is addressed in Subsections 2.2 through 2.2.3.
629			BLN	Pt 02	FSAR 02	02.02.05	RAI LTR 036 response to RAI 02.02.03-01 item 5	5. COLA Part 2, FSAR, Section 2.2.5, will be revised to add the following new reference: 204. Marine Information for Safety and Law Enforcement (MISLE) Database, United States Coast Guard (USCG) with data as of 1/26/2006
2082			BLN	Pt 02	FSAR 02	02.02.05	Editorial - revised RAI LTR 036 response to RAI 02.02.03-01 item 5	New reference added by Qb 629 renumbered to the end of the Reference list.
633			BLN	Pt 02	FSAR 02	02.02.T / T2.2-203	RAI LTR 036 response to RAI 02.02.03-03 item 2	2. COLA Part 2, FSAR, Chapter 2, Table 2.2-203 will be revised updated.
635			STD	Pt 02	FSAR 02	02.02.T / T2.2-214	RAI LTR 036 response to RAI 02.02.03-03 item 4	4. COLA Part 2, FSAR, Chapter 2, Section 2.2, will be revised to add Table 2.2-214, Masses of Commodities Involved in Fixed Location
649			BLN	Pt 02	FSAR 02	02.02.T / T2.2-214	DUPLICATE INFO - RAI LTR 036 response to RAI 02.02.03-04 item 5	5. COLA Part 2, FSAR, Chapter 2, Section 2.2, will be revised to add new Table 2.2-214 as shown in the response to NRC RAI No. 02.02.03-03.
647			BLN	Pt 02	FSAR 02	02.02.T / T2.2-215	RAI LTR 036 response to RAI 02.02.03-04 item 3	3. COLA Part 2, FSAR, Chapter 2, Section 2.2, will be revised to add new Table 2.2-215, List of Raw Materials at Great Western Products.
1805			BLN	Pt 02	FSAR 02	02.02.T / T2.2-216 & 217	NRC guidance - any page marked "withhold" will be withheld.	Revise each page with a "withhold" header to read "withheld" per NRC request. There is no need to withhold the page since the information has been withheld by removing it from the page and putting it in Part 9. No change bars are necessary for this change.
2060			BLN	Pt 02	FSAR 02	02.02.T / T2.2-216 & 217	Editorial correction.	Editorial Change: Title of Tables 2.2-216 and 2.2-217 is changed from "PASSED" to "PAST"
627			BLN	Pt 02	FSAR 02	02.02.T / T2.2-216 to 2.2-233	RAI LTR 036 response to RAI 02.02.03-01 item 3	3. COLA Part 2, FSAR, Chapter 2, Section 2.2, will be revised to add new Tables 2.2-216 through Table 2.2-223.
1806			BLN	Pt 02	FSAR 02	02.02.T / T2.2-220 to -223	NRC guidance - any page marked "withhold" will be withheld.	Revise each page with a "withhold" header to read "withheld" per NRC request. There is no need to withhold the page since the information has been withheld by removing it from the page and putting it in Part 9. No change bars are necessary for this change.
655			BLN	Pt 02	FSAR 02	02.02.T / T2.2-224	RAI LTR 036 response to RAI 02.02.03-07 item 2	2. COLA Part 2, FSAR, Chapter 2, Section 2.2, will be revised to add the following table: Table 2.2-224 WEIGHTS OF HAZARDOUS CHEMICALS THAT REQUIRE CONSIDERATION IN CONTROL ROOM EVALUATIONS (FOR A 50 mg/m3 TOXICITY LIMIT AND STABLE METEOROLOGICAL CONDITIONS)
653			BLN	Pt 02	FSAR 02	02.02.T / T2.2-225 & 226	RAI LTR 036 response to RAI 02.02.03-06 item 2	2. COLA Part 2, FSAR, Chapter 2, Section 2.2, will be revised to add new Tables 2.2-225 and 2.2-226.
628			BLN	Pt 02	FSAR 02	02.02F / F2.2-203	RAI LTR 036 response to RAI 02.02.03-01 item 4	4. COLA Part 2, FSAR, Chapter 2, Section 2.2, will be revised to add new Figure 2.2-203, Spill Frequency of Combustible Material on the Tennessee and Associated Major Rivers of Alabama, 2001-2004.
851			BLN	Pt 02	FSAR 02	02.03.01.01	RAI LTR 077 response to RAI 02.03.02-01 item 1	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.1.1, seventh paragraph under the heading "Climate" will be revised from:

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								Table 2.3-263 presents temperature means and extremes for Scottsboro collected over a twentynine year period. To read: Table 2.3-263 presents monthly temperature means and extremes for Scottsboro collected over a twenty-nine year period.
853			BLN	Pt 02	FSAR 02	02.03.01.01	RAI LTR 077 response to RAI 02.03.02-03 item 1	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.1.1 will be revised To read: Based on the Environmental Protection Agency (EPA) SCRAM Mixing Height Data for Nashville, Tennessee (Reference 204), the mean midmorning mixing height for the area is about 585 meters in the winter, 546 meters in the spring, 417 meters in the summer, 419 meters in the fall, and 492 meters annually. The mean afternoon mixing height for the area is about 843 meters in the winter, 1551 meters in the spring, 1796 meters in the summer, 1246 meters in the fall, and 1361 meters annually (see Table 2.3-303).
1959			BLN	Pt 02	FSAR 02	02.03.01.01	DUPLICATE INFO - see Qb 851 - RAI LTR 022 S2 response to RAI 02.03.01-02 item 5	5. COLA Part 2, FSAR Subsection 2.3.1.1, General Climate, page 2.3-4, fifth paragraph, will be revised from:  Table 2.3-263 presents temperature means and extremes for Scottsboro collected over a twentynine year period.  To read: Table 2.3-263 presents monthly temperature means and extremes for Scottsboro collected over a twenty-nine year period.
337			BLN	Pt 02	FSAR 02	02.03.01.02.01.02	SUPERSEDED by Qb 804 - RAI LTR 022 response to RAI 02.03.01-01	COLA Part 2, FSAR Chapter 2, Subsection 2.3.1.2.1.2, will be updated.
804			BLN	Pt 02	FSAR 02	02.03.01.02.01.02	SUPERSEDED by Qb 1954 - RAI LTR 022 S1 response to RAI 02.03.01-01	COLA Part 2, FSAR Chapter 2, Section 2.3.1.2.1.2 will be updated.
1954			BLN	Pt 02	FSAR 02	02.03.01.02.01.02	RAI LTR 022 S2 response to RAI 02.03.01-01	COLA Part 2, FSAR Chapter 2, Subsection 2.3.1.2.1.2, third paragraph will be updated.
338			BLN	Pt 02	FSAR 02	02.03.01.02.01.03	SUPERSEDED by Qb 804 - RAI LTR 022 response to RAI 02.03.01-02	COLA Part 2, FSAR Chapter 2, Subsection 2.3.1.2.1.3 will be updated.
806			BLN	Pt 02	FSAR 02	02.03.01.02.01.03	SUPERSEDED by Qb 1955 - RAI LTR 022 S01 response to RAI 02.03.01-02	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.1.2.1.3 will be revised from: Locations in northeast Alabama... ..Dade County, Georgia receiving 4.6 percent of the thunderstorms. (Reference 208) To read: Locations in northeast Alabama and extreme south central Tennessee experience approximately 53 thunderstorms events per year (Reference 234).
1955			BLN	Pt 02	FSAR 02	02.03.01.02.01.03	RAI LTR 022 S2 response to RAI 02.03.01-02 item 1	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.1.2.1.3 will be revised from: Locations in northeast Alabama... ..Dade County, Georgia receiving 4.6 percent of the thunderstorms. (Reference 208) To read: Locations in northeast Alabama and extreme south central Tennessee experience approximately 53 thunderstorms events per year (Reference 234).
811			BLN	Pt 02	FSAR 02	02.03.01.02.01.06	RAI LTR 022 S01 response to RAI 02.03.01-03	COLA Part 2, FSAR Chapter 2, Section 2.3.1.2.1.6 will be revised to a new paragraph following the current fourth paragraph which ends with the following sentence: This data was used to generate the morning and afternoon ventilation rates in Table 2.3-

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								211.
813			BLN	Pt 02	FSAR 02	02.03.01.02.02.01	RAI LTR 022 S01 response to RAI 02.03.01-05	COLA Part 2, FSAR Chapter 2, Subsection 2.3.1.2.2.1 will be revised to include a new last paragraph that reads: In determining the 100 year return snow load, the 10 inch snow depth used in this Subsection is assumed to be snow pack with a water density of 0.20 inches of water per inch of snow pack. This conservatively bounds the snow load from 12 inches of freshly-fallen snow mentioned in Subsection 2.3.1.2.2, which would have a water equivalence of 0.07 to 0.15 inches of water per inch of snow.
1979			BLN	Pt 02	FSAR 02	02.03.01.02.02.03	BLN-RAI-LTR-127 in response to RAI No. 02.03.01-011	1. COLA Part 2, FSAR Chapter 2, Subsection 2.3.1.2.2.3 will be revised to expand the discussion on the Weight of Snow and Ice on Safety-Related Structures.
814			BLN	Pt 02	FSAR 02	02.03.01.03	RAI LTR 022 S01 response to RAI 02.03.01-07 item 1	1. COLA Part 2, FSAR Chapter 2, Subsection 2.3.1.3 will be revised to expand the discussion of Meteorological Data Used for Evaluating Heat Removal Capacity.
816			BLN	Pt 02	FSAR 02	02.03.01.03.01	DUPLICATE INFO - RAI LTR 022 S01 response to RAI 02.03.01-08	2. COLA Part 2, FSAR Chapter 2, Subsection 2.3.1.3.1 will be revised as shown in the revised response to NRC RAI Number 02.03.01-07.
890			BLN	Pt 02	FSAR 02	02.03.02	SUPERSEDED by FINAL response to BLN-RAI-LTR-077.	Revisions to Tables 2.3-303 and 2.3-211
922			BLN	Pt 02	FSAR 02	02.03.02.01.02.	RAI LTR 077 response to RAI 02.03.02-01 item 2	2. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.2.1.2 will be revised from: Table 2.3-263 indicates that temperature extremes for Scottsboro, Alabama for the years 1971 through 2000 have ranged from the highest mean temperature of 81.8°F (July 1993) to the lowest mean of 26.8°F (January 1977) (Reference 226). To read: Table 2.3-263 indicates that monthly temperature extremes for Scottsboro, Alabama for the years 1971 through 2000 have ranged from the highest mean temperature of 81.8°F (July 1993) to the lowest mean of 26.8°F (January 1977) (Reference 226).
1960			BLN	Pt 02	FSAR 02	02.03.02.01.02	DUPLICATE of Qb 922 - RAI LTR 022 S2 response to RAI 02.03.01-02 item 6	6. COLA Part 2, FSAR Subsection 2.3.2.1.2, Air Temperature, 2.3-18, first paragraph, will be revised from: Table 2.3-263 indicates that temperature extremes for Scottsboro, Alabama for the years 1971 through 2000 have ranged from the highest mean temperature of 81.8°F (July 1993) to the lowest mean of 26.8°F (January 1977) (Reference 226). To read: Table 2.3-263 indicates that monthly temperature extremes for Scottsboro, Alabama for the years 1971 through 2000 have ranged from the highest mean temperature of 81.8°F (July 1993) to the lowest mean of 26.8°F (January 1977) (Reference 226)
855			BLN	Pt 02	FSAR 02	02.03.02.01.03.01.02	RAI LTR 077 response to RAI 02.03.02-05 item 1	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.2.1.3.1.2, will be revised from: Annual average snowfall in the BLN area is estimated to be two to four inches. This estimate is based on 36 years of record (1959-2005) at Huntsville... To read: Annual average snowfall in the BLN area is estimated to be two to four inches. This estimate is based on 47 years of record (1959-2005) at Huntsville...
927			BLN	Pt 02	FSAR 02	02.03.02.01.03.01.02	RAI LTR 077 response to RAI 02.03.02-05 item 2	2. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.2.1.3.1.2, will be revised from: The maximum snowfall at Scottsboro was 10.0 inches on February 15, 1958 (Reference 205). To read:

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								The maximum snowfall at Scottsboro was 12.0 inches on March 13, 1993 (Reference 205).
939			BLN	Pt 02	FSAR 02	02.03.02.01.04	RAI LTR 097 response to RAI 02.03.02-06 item 1	1) COL Part 2, FSAR, Subsection 2.3.2.1.4 will be revised To read: Atmospheric stability data for the BLN site were generated from the 2006-2007 site meteorological data. Lower measurement level (10-m) wind direction by speed is presented for each resulting stability classes in Tables 2.3-309, 2.3-310, 2.3-311, 2.3-312, 2.3-313, 2.3-314, and 2.3-315. Hourly observation data for the BLN site from 1979-1982 and 2006-2007 were converted into annual stability class frequency distributions and summarized in Table 2.3-316. These annual stability class frequency distributions show that the BLN site data gathered over both time periods is relatively similar. Upper measurement level (55-m) wind direction by speed is presented for each resulting stability classes in Tables 2.3-332, 2.3-333, 2.3-334, 2.3-335, 2.3-336, 2.3-337, and 2.3-338.
923			BLN	Pt 02	FSAR 02	02.03.02.01.05	RAI LTR 077 response to RAI 02.03.02-03 item 2	2. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.2.1.5 will be revised from: Morning ventilation is less than 4100 m2/s throughout the year, and is less than 1500 m2/s from June through October. Afternoon ventilation is higher than 7100 m2/s from March through September, but lower than 5200 m2/s from November through January. To read: Morning ventilation is less than 4300 m2/s throughout the year, and is less than 1700 m2/s from June through October. Afternoon ventilation is higher than 7300 m2/s from March through September, but lower than 5600 m2/s from November through January.
1206			BLN	Pt 02	FSAR 02	02.03.03.02.03	RAI LTR 096 response to RAI 02.03.03-04	COLA Part 2, FSAR Chapter 2, Subsection 2.3.3.2.3 will be revised To read: Meteorological equipment is calibrated or replaced in conformance with the calibration recommendations set forth in Regulatory Guide 1.23, Revision 1. The methods for maintaining a calibrated status for the components of the meteorological data collection system (sensors, recorders, electronics, data logger, etc.) include field checks, field calibration, and/or replacement by a laboratory calibrated component.
920			BLN	Pt 02	FSAR 02	02.03.04.01	RAI LTR 094 response to RAI 02.03.04-02	COLA Part 2, FSAR, Chapter 2, Subsection 2.3.4.1, third paragraph, last two sentences, will be revised to address EAB and LPZ.
929			BLN	Pt 02	FSAR 02	02.03.04.01	RAI LTR 094 response to RAI 02.03.04-01	COLA Part 2, FSAR. Chapter 2, Subsection 2.3.4.1, second paragraph, last sentence will be expanded To read: A straight-line trajectory is assumed between the point of release and the distances for which &#967;/Q values are calculated in accordance with NUREG/CR-2858 and Regulatory Guide 1.145. NUREG/CR-2858 refers to Regulatory Guide 1.111 for discussion of the effects of spatial and temporal variations in airflow in the region of a site. These effects are not described by the constant mean wind direction model. Consequently, the effects of hill and valley topography on airflow characteristics near the Bellefonte site were examined to identify any variation of atmospheric transport and diffusion conditions. The wind and stability characteristics of the site were compared with the same parameters at the Huntsville and Chattanooga airports. The representativeness of the observed meteorology in the region of interest (within 2 miles) was assessed. No long term trends were observed that would bias short term diffusion estimates. Therefore, no adjustments to represent non-straight line trajectories were applied.
921			BLN	Pt 02	FSAR 02	02.03.04.03	RAI LTR 094 response to RAI 02.03.04-03 item 1	1. COLA Part 2, FSAR, Chapter 2, Section 2.3.4.3 will be revised To read: The atmospheric dispersion estimates for the BLN Control Room were calculated based on the guidance provided in Regulatory Guide 1.194. The control room &#967;/Q values were calculated for the release points to the control room

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								emergency air intake and Auxiliary Building access using the ARCON96 computer code (NUREG/CR-6331) based on the hourly meteorological data. The distances and directions from the assumed release points to the Control Room HVAC intake are shown on Table 2.3-320. In each case, the intervening structures between the release point and the control room intake were ignored for calculational simplicity, thereby underestimating the true distance to the control room intakes. The building area controls the distance downwind in which the building wake effects will be felt. The atmospheric dispersion calculation used the smallest vertical-plane cross-sectional area of the AP1000 Nuclear Island as given in Table 2.3-320. The atmospheric stability class was determined using the vertical temperature difference (delta symbol T) based on the classification system defined in Table 1 of Regulatory Guide 1.23. The releases were assumed to be point ground level releases except for the containment shell which is modeled as a diffuse area source. For each of the source-to-receptor combinations, the Chi/Q value that is not exceeded more than 5 percent of the total hours in the meteorological data set (e.g., 95-percentile Chi/Q) was determined. The Chi/Q values for source-receptor pairs are shown in Table 2.3-321.
867			BLN	Pt 02	FSAR 02	02.03.05.01	RAI LTR 076 response to RAI 02.03.05-02 item 2	2. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.5.1, fourth paragraph will be revised from: In general, in order for an elevated release to be assumed, either the release height must be at least twice the height of adjacent buildings or detailed information must be known about the wind speed at the height of the release. For this analysis, the routine releases were conservatively modeled as ground level releases.  To read: For this analysis, the routine releases were modeled as mixed-mode releases; that is, the plume is considered as a ground level release part of the time and as an elevated release the remainder of the time.
915			BLN	Pt.02	FSAR 02	02.03.05.01	RAI LTR 076 response to RAI 02.03.05-02 item 4	4. COLA Part 2, FSAR, Chapter 2, Section 2.3.5.1, last paragraph will also be revised from: The calculation results with and without consideration of dry deposition are identified in the output as "depleted" and "undepleted." Terrain recirculation was considered consistent with Regulatory Guide 1.111. To read: The calculation results with and without consideration of dry deposition are identified in the output as "depleted" and "undepleted." Adjustments for recirculation and effective stack height are addressed using XOQDOQ default open terrain correction factors and site specific terrain features, respectively.
871			BLN	Pt 02	FSAR 02	02.03.05.01	RAI LTR 076 response to RAI 02.03.05-02 item 3	3. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.5.1, last paragraph will be revised from: For conservative estimates of radioactive decay, an overall half-life of 2.26 days is acceptable for shortlived noble gases and a half-life of eight days for iodines released to the atmosphere. To read: For conservative estimates of radioactive decay, an overall half-life of 2.26 days for short-lived noble gases and a half-life of eight days for iodines released to the atmosphere are acceptable.
916			BLN	Pt 02	FSAR 02	02.03.05.02	RAI LTR 076 response to RAI 02.03.05-02 item 5	5. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.5.2, will be revised from: Estimates of X/Q (undecayed and undepleted; depleted for radiiodines) and D/Q radiiodines and particulates is provided at each of these grid points. The results of the analysis, based on one year of data collected on site, are presented in Tables 2.3-323, 2.3-324, 2.3-325, 2.3-326, 2.3-327, 2.3-328, 2.3-329, 2.3-330, and 2.3-231.

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								To read: Estimates of X/Q and D/Q are provided at each of these grid points. The results of the analysis, based on one year of data collected on site, are presented in Tables 2.3-323, 2.3-324, 2.3-325, 2.3-326, 2.3-327, and 2.3-328.
924			BLN	Pt 02	FSAR 02	02.03.07 R204	RAI LTR 077 response to RAI 02.03.02-03 item 3	3. COLA Part 2, FSAR, Chapter 2, Subsection 2.3.7 will be revised from: 204. National Climatic Data Center (NCDC), Asheville, North Carolina, Website, SCRAM Mixing Height Data for Nashville, Tennessee for 1984 through 1991. <a href="http://www.epa.gov/scram001/mixingheightdata.htm">http://www.epa.gov/scram001/mixingheightdata.htm</a> , accessed 4/25/2007. To read: 204. Environmental Protection Agency (EPA) Website, SCRAM Mixing Height Data for Nashville, Tennessee for 1984 through 1991, <a href="http://www.epa.gov/scram001/mixingheightdata.htm">http://www.epa.gov/scram001/mixingheightdata.htm</a> , accessed 4/25/2007.
807			BLN	Pt 02	FSAR 02	02.03.07 R234	SUPERSEDED by Qb 1956 - RAI LTR 022 S01 response to RAI 02.03.01-02 item 2	2. COLA Part 2, FSAR Chapter 2, Subsection 2.3.7, will be revised to add new reference 234 to read:  234. Local Climatological Data (LCD) for Huntsville Alabama NWS station (HSV WBAN: 03856) for years 1997-2007, NCDC, Ashville, NC.
1956			BLN	Pt 02	FSAR 02	02.03.07 R234	RAI LTR 022 S2 response to RAI 02.03.01-02 item 2	2. COLA Part 2, FSAR Chapter 2, Subsection 2.3.7, will be revised to add new reference 234 to read:  234. Local Climatological Data (LCD) for Huntsville Alabama NWS station (HSV WBAN: 03856) for years 1997-2007, NCDC, Ashville, NC.
1980			BLN	Pt 02	FSAR 02	02.03.07 R235-237	BLN-RAI-LTR-127 in response to NRC No. 02.03.01-011	2. COLA Part 2, FSAR Chapter 2; Subsection 2.3.7 will be revised to add the following references. (Note that new Reference 234 was added in response to BLN-RAI-LTR-22, Supplements 1 and 2.) 235. Interim Staff Guidance (ISG) DC/COL-ISG-07, "Interim Staff Guidance on Assessment of Normal and Extreme Winter Precipitation Loads on the Roofs of Seismic Category I Structures" (ML081990438). 236. ASCE Standard No. 7-05, "Minimum Design Loads for Buildings and Other Structures," ASCE/SEI 7-05, American Society of Civil Engineers, 2006. 237. U.S. Department of Commerce, "United States Snow Climatology," National Climatic Data Center, NOAA, available at <a href="http://www.ncdc.noaa.gov/ussc/index.jsp">http://www.ncdc.noaa.gov/ussc/index.jsp</a> .
2359			BLN	Pt 02	FSAR 02	02.03.07/R-206	Editorial revision	Revise Reference 206 from: Ice Storms: Hazardous Beauty, Website, Keith C Heidorn, December 2001, <a href="http://www.islandnet.com/~see/weather/elements/icestorm.htm">http://www.islandnet.com/~see/weather/elements/icestorm.htm</a> , accessed 4/25/2007. To read: Ice Storms: Hazardous Beauty, Website, Keith C Heidorn, December 2001, <a href="http://www.islandnet.com/~see/weather/elements/icestorm.htm">http://www.islandnet.com/~see/weather/elements/icestorm.htm</a> , accessed 6/19/2006.
818			BLN	Pt 02	FSAR 02	02.03.T / T2.3-203	RAI LTR 022 S01 response to RAI 02.03.01-08 item 3	3. COLA Part 2, FSAR Chapter 2, Table 2.3-203, Sheet 2 of 2, will be updated.
809			BLN	Pt 02	FSAR 02	02.03.T / T2.3-209	SUPERSEDED by Qb 1957 - RAI LTR 022 S01 response to RAI 02.03.01-02 item 3	3. COLA Part 2, FSAR Section 2.3, Table 2.3-209, will be revised from two sheets to one sheet of Thunderstorm data.
1220			BLN	Pt 02	FSAR 02	02.03.T / T2.3-209	SUPERSEDED by Qb 809 -	COLA Part 2, FSAR Section 2.3, Table 2.3-209, will be revised from 2 sheets to 1 sheet of thunderstorm data.

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							RAI LTR 022 response to 02.03.01-02	
1957			BLN	Pt 02	FSAR 02	02.03.T / T2.3-209	RAI LTR 022 S2 response to RAI 02.03.01-02 item 3	3. COLA Part 2, FSAR Section 2.3, Table 2.3-209, will be revised from two sheets to one sheet of THUNDERSTORMS, HUNTSVILLE NWS STATION data.
925			BLN	Pt 02	FSAR 02	02.03.T / T2.3-211	RAI LTR 077 response to RAI 02.03.02-03 item 4	4. COLA Part 2, FSAR, Chapter 2, Section 2.3, Table 2.3-211 will be revised to provide updated information.
938			BLN	Pt 02	FSAR 02	02.03.T / T2.3-215 & -216	RAI LTR 022 S01 response to RAI 02.03.01-07 item 2	2. COLA Part 2, FSAR Chapter 2, Table 2.3-215 and Table 2.3-216 will be deleted in their entirety.
1958			BLN	Pt 02	FSAR 02	02.03.T / T2.3-263	RAI LTR 022 S2 response to RAI 02.03.01-02 item 4	4. COLA Part 2, FSAR Section 2.3, the title of Table 2.3-263, will be revised from: TEMPERATURE MEANS AND EXTREMES AT SCOTTSBORO, ALABAMA - 1971 - 2000 To read: MONTHLY TEMPERATURE MEANS AND EXTREMES AT SCOTTSBORO, ALABAMA - 1971 - 2000
926			BLN	Pt 02	FSAR 02	02.03.T / T2.3-303	RAI LTR 077 response to RAI 02.03.02-03 item 5 NOTE that revised table is 2.3-303...	5. COLA Part 2, FSAR, Chapter 2, Section 2.3, Table 2.3-203 will be revised to provide updated MIXING HEIGHTS information.
940			BLN	Pt 02	FSAR 02	02.03.T / T2.3-309 to -315	RAI LTR 097 response to RAI 02.03.02-06 item 2	2) COL Part 2, FSAR, Chapter 2, Section 2.3 Tables will be revised as follows: Tables 2.3-309, 2.3-310, 2.3-311, 2.3-312, 2.3-313, 2.3-314, and 2.3-315, are revised in accordance with Attachments 02.03.02-06A through 02.03.02-06G, respectively.
2103			BLN	Pt 02	FSAR 02	02.03.T / T2.3-309 to 315	Editorial for consistency	COLA Part 2, Table 2.3-309 to 315 - Revise "Wind Speed" headers to consistently include the DIR line (with wind speed values) within the header.
1199			BLN	Pt 02	FSAR 02	02.03.T / T2.3-320	RAI LTR 094 response to RAI 02.03.04-03 item 3	2. COLA Part 2, FSAR, Chapter 2, Table 2.3-320 will be revised to provide updated INPUT DATA.
1438	BLN-0024	3	BLN	Pt 02	FSAR 02	02.03.T / T2.3-320 Sh3	SUPERSEDED by Qb 1199  - WEC DCD TR134 Rev 4 update per DCD change item NRC200	Revise Table to address revised release point locations.
589			BLN	Pt 02	FSAR 02	02.03.T / T2.3-321	RAI LTR 012 response to RAI 06.04-01 item 2	2. COLA Part 2, FSAR Chapter 2, Section 2.3, Table 2.3-321, column headings (two) will be revised from: "Steam Vent" To read: "Steam Line Break Releases"
2104			BLN	Pt 02	FSAR 02	02.03.T / T2.3-321	Editorial consistency	COLA Part 2, FSAR Chapter 2, Section 2.3, Table 2.3-321, correct the table section and column headings
917			BLN	Pt 02	FSAR 02	02.03.T / T2.3-322 to -328	RAI LTR 076 response to RAI 02.03.05-02 item 6	6. COLA Part 2, FSAR, Chapter 2, Section 2.3, Tables 2.3-322 through 2.3-328 will be replaced in their entirety with the tables in Attachment 02.03.05-02A.
918			BLN	Pt 02	FSAR 02	02.03.T / T2.3-329 to -331	RAI LTR 076 response to RAI 02.03.05-02 item 7	7. COLA Part 2, FSAR, Chapter 2, Section 2.3 Tables 2.3-329, 2.3-330 and 2.3-331 will be deleted as indicated in Attachment 02.03.05-02A.
941			BLN	Pt 02	FSAR 02	02.03.T / T2.3-332 to	RAI LTR 097 response to	3) COL Part 2, FSAR, Chapter 2, Section 2.3 new tables will be added as follows:

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
						-335	RAI 02.03.02-06 item 3	New Tables 2.3-332, 2.3-333, 2.3-334, 2.3-335, 2.3-336, 2.3-337, and 2.3-338 are being added in accordance with Attachments 02.03.02-06H through 02.03.02-06N, respectively.
2105			BLN	Pt 02	FSAR 02	02.03.T / T2.3-332 to 338	Editorial for consistency	COLA Part 2, Table 2.3-332 to 338 - Revise "Wind Speed" headers to consistently include the DIR line (with wind speed values) within the header.
1551			BLN	Pt 02	FSAR 02	02.03F / F2.3-288	RAI LTR 096 response to RAI 02.03.03-02	COLA Part 2, FSAR Figures 2.3-288 and 2.1-201 are revised as shown in Attachments 02.03.03-02A and 02.03.03-02B, respectively.
1971			BLN	Pt 02	FSAR 02	02.04.01.02.04	Conformance with response to Environmental Report RAI 2.3-5, which was incorporated into ER Revision 1.	Change FSAR Subsection 2.4.1.2.4, to reflect updated surface water users.
691			BLN	Pt 02	FSAR 02	02.04.02.02	RAI LTR 065 response to RAI 02.04.06-01 item 1	1. COLA Part 2, FSAR Chapter 2, Subsection 2.4.2.2 will be revised from: Flood waves from landslides into upstream reservoirs required no specific analysis, in part because of the absence of major elevation relief in nearby upstream reservoirs and because the prevailing thin soils offer small slide volume potential compared to the available detention space in reservoirs. Additional details are provided in Subsection 2.4.9. To read: Flood waves from landslides into upstream reservoirs required no specific analysis due to the small volume of available landslide material and regional geology. Additional details are provided in Subsection 2.4.9 and Section 2.5.
698			BLN	Pt 02	FSAR 02	02.04.03.06	RAI LTR 064 response to RAI 02.04.02-04	COLA Part 2, FSAR. Chapter 2, Section 2.4.3.6, 2nd paragraph will be revised from: The 2-year annual extreme mile wind speed was adjusted for duration, based on effective fetch length, level, over land or, over water, and stability. To read: The 2-year annual extreme mile wind speed was adjusted for duration using the U.S. Army Corps of Engineers guidance (Reference 231), and was based on effective fetch length, level, over land or, over water, and stability.
2151			BLN	Pt 02	FSAR 02	02.04.04	Inappropriate placement	Remove sentence that makes the 3rd paragraph under Seismic Ruggedness of Concrete Gravity Dams 'The BLN OBE for this comparison is defined as 1/2 Ground Motion Response Spectra (GMRS). The GMRS is discussed in Section 2.5.2 and shown in Figure 2.5-290.'
753			BLN	Pt 02	FSAR 02	02.04.06	RAI LTR 065 response to RAI 02.04.06-01 item 2	2. COLA Part 2, FSAR Chapter 2, Subsection 2.4.6 will be revised to add the following after the first paragraph: Geologic and seismic characteristics of the region are discussed in FSAR Section 2.5. As identified, small landslides do occur on the steeper slopes of River Ridge. Because the volume of landslide material is small potential landslide waves would be insignificant. As shown in FSAR Figure 2.5-229, the geology of the opposite bank is such that significant landslides would not occur due to the sloping trend into the bank.
2129			BLN	Pt 02	FSAR 02	02.04.06	Editorial	In the following sentence (added per RAI LTR 065 response to RAI 02.04.06-01 item 2), add a comma between small and potential as shown: Because the volume of landslide material is small, potential landslide waves would be insignificant.
2009			BLN	Pt 02	FSAR 02	02.04.11.03	Conformance with changes to COLA Part 3, Environmental Report, in	COLA Part 2, FSAR Chapter 2, Subsection 2.4.11.3, will be changed to indicate use of Nickajack and Guntersville Dams discharge data in determining low-flow conditions.



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							response to ER RAIs 5.3-3(1) and 5.3-7.	
2010			BLN	Pt 02	FSAR 02	02.04.11.03	Conformance with response to Environmental Report (ER) RAI 5.3-3(1) and 5.3-7.	COLA Part 2, FSAR Chapter 2, Subsection 2.4.11.3, fifth paragraph will be changed to reflect use of Nickajack Dam daily average flows to derive a conservative estimate for drought flow rates.
746			BLN	Pt 02	FSAR 02	02.04.12	DUPLICATE INFO - RAI LTR 067 response to RAI 02.04.12-06F	COLA Part 2, FSAR Chapter 2 revisions are addressed in the above identified letter.
748			BLN	Pt 02	FSAR 02	02.04.12	DUPLICATE INFO - RAI LTR 067 response to RAI 02.04.12-06G	COLA Part 2, FSAR Chapter 2 revisions are addressed in the above identified letter.
751			BLN	Pt 02	FSAR 02	02.04.12	DUPLICATE INFO - RAI LTR 062 response to RAI 02.04.12-04	COLA Part 2, FSAR Chapter 2 revisions are addressed in the subject letter and by reference in this response.
752			BLN	Pt 02	FSAR 02	02.04.12	DUPLICATE INFO - RAI LTR 062 response to RAI 02.04.12-05	COLA Part 2, FSAR Chapter 2 revisions are addressed in the subject letter and by reference in this response.
692			BLN	Pt 02	FSAR 02	02.04.12.01.02	RAI LTR 067 response to RAI 02.04.12-06D item 1	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.4.12.1.2, eighth paragraph, last sentence, will be revised from: However, the rate of water recharge into the epikarst aquifer is much greater than the drainage rate provided by the epikarst and bedrock fractures, joints, and solution channels, resulting in perched or semi-perched conditions. To read: However, the rate of water recharge into the epikarst aquifer is much greater than the drainage rate provided by the epikarst and bedrock fractures, joints, and solution channels.
693			BLN	Pt 02	FSAR 02	02.04.12.02.03	RAI LTR 067 response to RAI 02.04.12-06C	COLA Part 2, FSAR, Chapter 2, Subsection 2.4.12.2.3, 4th paragraph, will be revised To read: Long-term groundwater level fluctuations were observed monthly in bedrock monitoring wells WT1 – WT6 between January 1973 and February 1993. Historic groundwater level elevations in monitoring wells WT1 –WT6 are presented in Table 2.4.12-202 and graphically illustrated in Figure 2.4.12-211. Groundwater level fluctuations depicted from 1974 to 1976 are attributed to construction activities associated with BLN Units 1 and 2. Fluctuations observed prior to 1974 are not associated with construction; however, due to the permanent changes in the subsurface hydrology from the construction of the BLN Units 1 and 2, pre-construction fluctuations in water level changes do not have an effect on the post construction geohydrologic system and were not considered during this assessment.
701			BLN	Pt 02	FSAR 02	02.04.12.02.03	DUPLICATE INFO - RAI LTR 067 response to RAI 02.04.12-06H	COLA Part 2, FSAR, Chapter 2, Subsection 2.4.12.2.3, 4th paragraph, will be revised as shown in the response to NRC RAI Number 02.04.12-06c.
702			BLN	Pt 02	FSAR 02	02.04.12.02.03	RAI LTR 062 response to RAI 02.04.12-03	COLA Part 2, FSAR, Chapter 2, Subsection 2.4.12.2.3, last paragraph, will be revised To read: During the monitored dry periods (July and August, 2006) an apparent groundwater depression was observed adjacent to Town Creek to the northwest of Unit 3. This appears to represent a depletion of the epikarst aquifer combined with higher water

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								levels in Town Creek causing a reversal in groundwater flow in the near shore soils. Groundwater elevation in the near shore soils equilibrates faster to the higher Town Creek water level than the less permeable bedrock underlying the surface soils. This results in slow drainage into the lower near shore bedrock zone; however, the bedrock wells (MW-1212b and MW-1212c) do not equilibrate rapidly (due to the lower permeability) and thus show an apparent groundwater "depression". As precipitation events occur with greater frequency in September and the following fall and winter months, the epikarst aquifer refills, near shore groundwater levels rise above the Town Creek surface, and groundwater reestablishes its normal drainage pattern to Town Creek.
749			BLN	Pt 02	FSAR 02	02.04.12.02.03	RAI LTR 067 response to RAI 02.04.12-061	COLA Part 2, FSAR, Chapter 2, Subsection 2.4.12.2.3, 9th paragraph, last sentence, will be revised from: Because of inconsistent water availability, groundwater potentiometric surface maps were not constructed for those wells completed in the soil zone. To read: Groundwater potentiometric surface maps were not constructed for those wells completed in the soil zone because many of the wells were consistently dry (no groundwater observed in the well or water only within the end cap of the well casing) or exhibited no, or slight, changes in water level over the monitoring period, resulting in insufficient data points to construct contours.
2015			BLN	Pt 02	FSAR 02	02.04.12.02.03	Conformance with changes to the BLN Environmental Report (ER) identified in the TVA response to ER RAI 2.3-1.	COLA Part 2, FSAR Chapter 2, Subsection 2.4.12.2.3, is changed by inserting new text in the 4th paragraph to describe the anomalous reading at monitoring well W29 in March 2005.
369			BLN	Pt 02	FSAR 02	02.04.12.02.04.02	20080723 Hydrology Trip Report Response Items 1, 2, & 3	COLA Part 2, FSAR, Chapter 2, Subsection 2.4.12.2.4.2, 1st paragraph, Subsection 2.4.12.2.4.2 (correction 2.4.12.3), 2nd to last paragraph, and Subsection 2.4.12.2.4.2, last paragraph, will be updated.
694			BLN	Pt 02	FSAR 02	02.04.12.02.04.02	RAI LTR 067 response to RAI 02.04.12-06a	1. COLA Part 2, FSAR, Chapter 2, Subsection 2.4.12.2.4.2, 1st paragraph, will be revised to add a new second paragraph.
2358			BLN	Pt 02	FSAR 02	02.04.12.03	Corrected subsection identification for 20080723 Hydrology Trip Report Response Item 2 - DUPLICATES a portion of Qb 369.	COLA Part 2, FSAR, Chapter 2, Subsection 2.4.12.3, 2nd to last paragraph, will be updated.
695			BLN	Pt 02	FSAR 02	02.04.13	DUPLICATE INFO - RAI LTR 063 response to RAI 02.04.13-04d	The COLA changes associated with this RAI are contained in the COLA change 7 provided with the response to NRC RAI Number 02.04.13-4a.
737			BLN	Pt 02	FSAR 02	02.04.13	RAI LTR 063 response to RAI 02.04.13-04a item 1	1. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, second paragraph, will be expanded To read: ...Town Creek embayment. As a conservative approach, an approximately 800 square feet portion of Town Creek is assumed to be the receptor location for the groundwater that is affected by tank failure. The analysis conservatively assumes that the flow of surface water through the affected portion of Town Creek does not cause radionuclide movement for a period of one year. A straight line flow path is considered the most conservative as the actual groundwater pathways are expected to be more tortuous, transport times much longer, and hydraulic conductivities of the fractures/joints lower. Because of the higher hydraulic conductivities in the soil and deeper bedrock, the majority of groundwater flow is conservatively assumed to be within the epikarst zone. Site

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								specific radiological distribution coefficients (Kd) were measured in three soil borings on the BLN site during the 2006 pre-COL application investigation. Results of the isotopic Kd analysis are presented in Table 2.4.13-202. Kd values include the variability reported with each laboratory result. For additional conservatism, the lowest Kd value based on reported value and variability was selected and used in the analysis.
750			BLN	Pt 02	FSAR 02	02.04.13	DUPLICATE INFO - RAI LTR 063 response to 02.04.13-02	COLA PART 2, FSAR Chapter 2 revisions are addressed in the subject letter and by referenced in this response.
837			BLN	Pt 02	FSAR 02	02.04.13	DUPLICATE INFO - RAI LTR 063 response to RAI 02.04.13-03	The COLA changes associated with this RAI are contained in the COLA changes 1, 5, and 7 provided with the response to NRC RAI Number 02.04.13-4a.
838			BLN	Pt 02	FSAR 02	02.04.13	RAI LTR 063 response to RAI 02.04.13-04a item 2	2. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, 12th paragraph, will be revised from: The distance from Unit 3 to the Town Creek embayment is 1,188 feet. To read: The distance from Unit 3 to the Town Creek embayment is 1,600 feet.
839			BLN	Pt 02	FSAR 02	02.04.13	RAI LTR 063 response to RAI 02.04.13-04a item 3	3. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, 15th paragraph, will be revised from: This conceptual model is conservative. It provides for the shortest travel distance to Town Creek, includes the limiting fault tank, does not take credit for dilution in Town Creek To read: This conceptual model is conservative. It provides for the shortest travel distance to Town Creek, includes the limiting fault tank, and does not take credit for dilution in the water flow through the affected portion of Town Creek
840			BLN	Pt 02	FSAR 02	02.04.13	RAI LTR 063 response to RAI 02.04.13-04a item 4	4. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, 16th paragraph, will be revised To read: ...adsorption by the surrounding soils. As discussed in Subsection 2.4.12.1.2, the soils surrounding the auxiliary building at the elevation of the liquid release are epikarst bedrock, and moderate to highly fractured and corroded limestone. Site specific radiological distribution coefficients (Kd) were measured in three soils borings on the BLN during the 2006 pre-COL application investigation. Results of the isotopic Kd analysis are presented in Table 2.4.13-202. Kd values include the variability reported with each laboratory result. To ensure the analysis is conservative, the lowest Kd value based on reported value and variability was selected and used in the analysis. Site-specific groundwater flow velocities and travel times are presented in Table 2.4.12-206.
841			BLN	Pt 02	FSAR 02	02.04.13	DUPLICATE INFO - RAI LTR 063 response to RAI 02.04.13-04a item 4	4. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, 16th paragraph, will be revised To read: ...adsorption by the surrounding soils. As discussed in Subsection 2.4.12.1.2, the soils surrounding the auxiliary building at the elevation of the liquid release are epikarst bedrock, and moderate to highly fractured and corroded limestone. Site specific radiological distribution coefficients (Kd) were measured in three soils borings on the BLN during the 2006 pre-COL application investigation. Results of the isotopic Kd analysis are presented in Table 2.4.13-202. Kd values include the variability reported with each laboratory result. To ensure the analysis is conservative, the lowest Kd value based on reported value and variability was selected and used in the analysis. Site-specific groundwater flow velocities and travel times are presented in Table 2.4.12-206.
842			BLN	Pt 02	FSAR 02	02.04.13	DUPLICATE INFO - RAI	5. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, 17th, 18th, and 19th

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							LTR 063 response to RAI 02.04.13-04a item 4	<p>paragraphs, will be revised To read:                      The model uses the lowest available site-specific Kd values. For those radionuclides not evaluated for the site-specific Kd values, the most conservative value of 0 is used. The highest measured bedrock hydraulic conductivity measured at the site (Subsection 2.4.12) is used. Site-specific parameters such as unsaturated zone density, unsaturated zone porosity, saturated zone porosity, hydraulic conductivity, dispersion coefficients, flow velocities, and travel times used in this model are provided in Table 2.4.13-203.                      Radionuclide concentrations in Town Creek were modeled using RESRAD-Offsite (Reference 209). The groundwater pathway mechanism is a first-order release model that considers the effects of different transport rates for radionuclides and progeny nuclides, while allowing decay during the transport process. The concentration of each radionuclide transmitted to the environment is determined by the transport through the groundwater system, dilution by groundwater and infiltrating surface water from the overburden soils, adsorption, and decay.</p> <p>No credit is taken for dilution of radionuclides by water flow through the affected portion of Town Creek.                      As a conservative approach, a portion of Town Creek of approximately 800 feet is assumed to be the receptor location for the groundwater affected by the tank failure. The water volume for Town Creek was calculated to be 9,249,342 cubic feet using the two small inlets to the Northwest of MW-1212 as the bounding discharge points and an average water depth of 5 feet. The analysis conservatively assumes that the flow of surface water through the affected portion of Town Creek does not cause radionuclide movement for a period of one year. Individual radionuclide concentrations in Town Creek were modeled using RESRAD-Offsite. The concentrations were calculated on a periodic interval to a maximum of 1000 years. This time frame allows all radionuclides to either appear in the receptor body or to be removed by radioactive decay.</p>
843			BLN	Pt 02	FSAR 02	02.04.13	RAI LTR 063 response to 02.04.13-04a item 6	<p>6. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, 22nd paragraph, will be revised from:                      The maximum radionuclide concentration for each isotope calculated to be in Town Creek during the 50-year period was used to calculate a fraction of effluent concentration.                      To read:                      The maximum radionuclide concentration for each isotope calculated to be in Town Creek during the 1,000-year period was used to calculate a fraction of effluent concentration</p>
846			BLN	Pt 02	FSAR 02	02.04.13	DUPLICATE INFO - RAI LTR 063 response to RAI 02.04.13-04a item 2	<p>2. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, 12th paragraph, will be revised from:                      The distance from Unit 3 to the Town Creek embayment is 1,188 feet.                      To read:                      The distance from Unit 3 to the Town Creek embayment is 1,600 feet.</p>
847			BLN	Pt 02	FSAR 02	02.04.13	DUPLICATE INFO - RAI LTR 063 response to RAI 02.04.13-04a item 3	<p>3. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, 15th paragraph, will be revised from:                      This conceptual model is conservative. It provides for the shortest travel distance to Town Creek, includes the limiting fault tank, does not take credit for dilution in Town Creek                      To read:                      This conceptual model is conservative. It provides for the shortest travel distance to Town Creek, includes the limiting fault tank, and does not take credit for dilution in the water flow through the affected portion of Town Creek.</p>
848			BLN	Pt 02	FSAR 02	02.04.13	DUPLICATE INFO - RAI	<p>4. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, 16th paragraph, will be revised</p>

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							LTR 063 response to RAI 02.04.13-04a item 4	<p>from:                      ...adsorption by the surrounding soils. As discussed in Subsection 2.4.12.1.2, the soils surrounding the auxiliary building at the elevation fo the liquid release are epikarst bedrock, and moderate to highly fractured and corroded limestone. Site specific radiological distribution coefficients (Kd) were measured in three soils borings on the BLN during the 2006 pre-COL application investigation. Results of the isotopic Kd analysis are presented in Table 2.4.13-202. Site-specific groundwater flow velocities and travel times are presented in Table 2.4.12-206.</p> <p>To read:                      ...adsorption by the surrounding soils. As discussed in Subsection 2.4.12.1.2, the soils surrounding the auxiliary building at the elevation of the liquid release are epikarst bedrock, and moderate to highly fractured and corroded limestone. Site specific radiological distribution coefficients (Kd) were measured in three soils borings on the BLN during the 2006 pre-COL application investigation. Results of the isotopic Kd analysis are presented in Table 2.4.13-202. Kd values include the variability reported with each laboratory result. To ensure the analysis is conservative, the lowest Kd value based on reported value and variability was selected and used in the analysis. Site-specific groundwater flow velocities and travel times are presented in Table 2.4.12-206.</p>
849			BLN	Pt 02	FSAR 02	02.04.13	RAI LTR 063 response to RAI 02.04.13-04a item 5	<p>5. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, 17th, 18th, and 19th paragraphs, will be revised To read:                      The model uses the lowest available site-specific Kd values. For those radionuclides not evaluated for the site-specific Kd values, the most conservative value of 0 is used. The highest measured bedrock hydraulic conductivity measured at the site (Subsection 2.4.12) is used. Site-specific parameters such as unsaturated zone density, unsaturated zone porosity, saturated zone porosity, hydraulic conductivity, dispersion coefficients, flow velocities, and travel times used in this model are provided in Table 2.4.13-203.                      Radionuclide concentrations in Town Creek were modeled using RESRAD-Offsite (Reference 209). The groundwater pathway mechanism is a first-order release model that considers the effects of different transport rates for radionuclides and progeny nuclides, while allowing decay during the transport process. The concentration of each radionuclide transmitted to the environment is determined by the transport through the groundwater system, dilution by groundwater and infiltrating surface water from the overburden soils, adsorption, and decay.                      No credit is taken for dilution of radionuclides by water flow through the affected portion of Town Creek. As a conservative approach, a portion of Town Creek of approximately 800 feet is assumed to be the receptor location for the groundwater affected by the tank failure. The water volume for Town Creek was calculated to be 9,249,342 cubic feet using the two small inlets to the Northwest of MW-1212 as the bounding discharge points and an average water depth of 5 feet. The analysis conservatively assumes that the flow of surface water through the affected portion of Town Creek does not cause radionuclide movement for a period of one year. Individual radionuclide concentrations in Town Creek were modeled using RESRAD-Offsite. The concentrations were calculated on a periodic interval to a maximum of 1000 years. This time frame allows all radionuclides to either appear in the receptor body or to be removed by radioactive decay.</p>
850			BLN	Pt 02	FSAR 02	02.04.13	DUPLICATE INFO - RAI LTR 063 response to RAI 02.04.13-04a item 6	<p>6. COLA Part 2, FSAR Chapter 2, Subsection 2.4.13, 22nd paragraph, will be revised from:                      The maximum radionuclide concentration for each isotope calculated to be in Town Creek during the 50-year period was used to calculate a fraction of effluent concentration.                      To read:                      The maximum radionuclide concentration for each isotope calculated to be in Town</p>

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								Creek during the 1,000-year period was used to calculate a fraction of effluent concentration.
2271			BLN	Pt 02	FSAR 02	02.04.13	Editorial revision of Subsection reference detail.	Revise last paragraph from: Locations of surface water users are listed in Table 2.4.1-202. An evaluation of effluent releases to surface waters is discussed in detail in Subsection 11.2.3. To read: Locations of surface water users are listed in Table 2.4.1-202. An evaluation of effluent releases to surface waters is discussed in detail in Subsection 11.2.3.5.
1222			BLN	Pt 02	FSAR 02	02.04.16	20080723 Hydrology Trip Report Response item 5	5. COLA Part 2, FSAR Chapter 2, Subsection 2.4.16, will be revised to add the following new reference: 249. U.S. Environmental Protection Agency, Ground-Water Monitoring in Karst Terranes, Recommended Protocols & Implicit Assumptions, EPA / 600 / x-89 / 050, March 1989.
1807			BLN	Pt 02	FSAR 02	02.04.T / T2.4.01-202	NRC guidance - any page marked "withhold" will be withheld.	Revise each page with a "withhold" header to read "withheld" per NRC request. There is no need to withhold the page since the information has been withheld by removing it from the page and putting it in Part 9. No change bars are necessary for this change.
1972			BLN	Pt 02	FSAR 02	02.04.T / T2.4.01-202	To reflect changes to ER Table 2.3-31 provided in response to ER RAI 2.3-5 in TVA's ER LTR 20, dated August 4, 2008 [ML082190359].)	Change FSAR Table 2.4.1-202, Local Surface Water Users - Guntersville Watershed Area, to include use category, average monthly withdrawal and discharge rates, and average consumption rates, to correspond to the changes to ER Table 2.3-31, as provided in the TVA response to Environmental Report RAI 2.3-5. NOTE: Because some information in FSAR Table 2.4.1-202 is considered sensitive, a redacted version of this table is provided in COLA Part 2, FSAR, and the full version of the table is provided in COLA Part 9, Withheld Information.
2011			BLN	Pt 02	FSAR 02	02.04.T / T2.4.11-203	Conformance with changes to the BLN Environmental Report (ER) identified in the TVA response to ER RAIs 5.3-3(1) and 5.3-7.	COLA Part 2, FSAR Chapter 2, Table 2.4.11-203 is changed to reflect flow values calculated with data from Nickajack Dam. Table is annotated with LMA, "BLN COL 2.4-3."
2012			BLN	Pt 02	FSAR 02	02.04.T / T2.4.11-205	Conformance with changes to the BLN Environmental Report (ER) identified in the TVA response to ER RAIs 5.3-3(1) and 5.3-7.	COLA Part 2, FSAR Chapter 2, is changed by adding a new Table 2.4.11-205 providing minimum daily streamflow for the Tennessee River at Nickajack Dam from 1976 to 2007. Table is annotated with LMA, "BLN COL 2.4-3."
1223			BLN	Pt 02	FSAR 02	02.04.T / T2.4.12-206	20080723 Hydrology Trip Report Response item 4	4. COLA Part 2, FSAR, Chapter 2, Table 2.4.12-206 (2 Sheets), will be replaced with the revised Table 2.4.12-206 (2 Sheets) provided in the ASSOCIATED BLN COL APPLICATION REVISIONS ATTACHMENTS (following Attachment B).
1253	BLN-0006	0	BLN	Pt 02	FSAR 02	02.04.T / T2.4.13-201 both sheets	LMA for the table should match the text LMA for 2.4.13 which is all plant specific.	Revise LMA from STD COL 15.7-1 to BLN COL 15.7-1.
844			BLN	Pt 02	FSAR 02	02.04.T / T2.4.13-203	RAI LTR 063 response to RAI 02.04.13-04a item 7	7. COLA Part 2, FSAR Chapter 2, Table 2.4.13-203 will be updated.
859			BLN	Pt 02	FSAR 02	02.04.T / T2.4.13-203	DUPLICATE INFO - RAI LTR 063 response to RAI 02.04.13-04a item 7	7. COLA Part 2, FSAR Chapter 2, Table 2.4.13-203 will be updated.

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
845			BLN	Pt 02	FSAR 02	02.04.T / T2.4.13-204	RAI LTR 063 response to RAI 02.04.13-04a item 8	8. COLA Part 2, FSAR Chapter 2, Table 2.4.13-204 values will be updated.
860			BLN	Pt 02	FSAR 02	02.04.T / T2.4.13-204	DUPLICATE INFO - RAI LTR 063 response to RAI 02.04.13-04a item 8	8. COLA Part 2, FSAR Chapter 2, Table 2.4.13-204 values will be updated.
1988			BLN	Pt 02	FSAR 02	02.04F / F2.4.02-202	Remove unnecessary building legend designation	The BUILDING LEGEND item 1 is revised to read "NEW PRIMARY ACCESS PORTAL"
2013			BLN	Pt 02	FSAR 02	02.04F / F2.4.11-203	Conformance with changes to the BLN Environmental Report (ER) identified in the TVA response to ER RAIs 5.3-3(1) and 5.3-7.	COLA Part 2, FSAR Subsection 2.4.11, is changed by replacing Figure 2.4.11-203, Rev. 0, "Guntersville Reservoir 7-Day Low-Flow Frequency Curve," with Rev. 1.
2014			BLN	Pt 02	FSAR 02	02.04F / F2.4.11-204	Conformance with changes to the BLN Environmental Report (ER) identified in the TVA response to ER RAIs 5.3-3(1) and 5.3-7.	COLA Part 2, FSAR Subsection 2.4.11, is changed by replacing Figure 2.4.11-204, Rev. 0, "Guntersville Reservoir 30-Day Low-Flow Frequency Curve," with Rev. 1.
2016			BLN	Pt 02	FSAR 02	02.04F / F2.4.12-207	Conformance with changes to the BLN Environmental Report (ER) identified in the TVA response to ER RAI 2.3-1.	COLA Part 2, FSAR Chapter 2, Figure 2.4.12-207, is changed by adding a note to the legend/caption area addressing the March 2005 anomalous reading from monitoring well W29.
2017			BLN	Pt 02	FSAR 02	02.04F / F2.4.12-208	Conformance with changes to the BLN Environmental Report (ER) identified in the TVA response to ER RAIs 2.3-1.	COLA Part 2, FSAR Chapter 2, Figure 2.4.12-208, is changed by adding a note to the legend/caption area addressing the March 2005 anomalous reading from monitoring well W29.
696			BLN	Pt 02	FSAR 02	02.04F / F2.4.13-201	RAI LTR 063 response to RAI 02.04.13-04e	COLA Part 2, FSAR, Chapter 2, Figure 2.4.13-201 will be replaced with the revised figure in Attachment 02.04.13-04A.
1612			BLN	Pt 02	FSAR 02	02.05.01.01.03.02	RAI LTR 123 response to RAI 02.05.01-01 item 2	2. COLA Part 2, FSAR, Chapter 2, Subsection 2.5.1.1.3.2, to expand the discussion in the last paragraph.
1613			BLN	Pt 02	FSAR 02	02.05.01.01.03.02	RAI LTR 123 response to RAI 02.05.01-01 item 3	3. COLA Part 2, FSAR, Chapter 2, Subsection 2.5.1.1.3.2, third paragraph To read: In northern Alabama, extensive alluvial terrace deposits are mapped in the Coosa River Valley in the Gadsden to Weiss Reservoir area (Etowah and Cherokee Counties) (Reference 224) (Figure 2.5-208a). The alluvial and terrace deposits are preserved within a broad valley underlain by the Cambrian Conasauga Formation. Structural cross-sections and maps indicate that the Cambrian unit beneath the valley is a near horizontal thrust sheet, referred to as the Rome thrust (Reference 225) (see discussion in Subsection 2.5.1.1.4.2). The meandering river morphology is prominent where the widest part of the Rome thrust sheet is preserved. Downstream of the confluence of Big Canoe Creek and the Coosa River (about 10-mi. southwest of Gadsden), the valley narrows and the Coosa River takes a sharp bend to the south and cuts across the regional structural grain. Quaternary deposits are not shown on the State Geologic Map of Alabama (Reference 225) (Figures 2.5-208a and 2.5-208b) downstream...

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1615			BLN	Pt 02	FSAR 02	02.05.01.02.05	RAI LTR 123 response to RAI 02.05.01-02	COLA Part 2, FSAR. Chapter 2, Subsection 2.5.1.2.5, second paragraph, second sentence will be revised from: Minor displacement that was observed in the northwest corner of Unit 1 QA Records Storage Vault was investigated by core drilling and recorded by surface mapping (Reference 201).  To read Minor displacement that was observed in the northwest corner of Unit 1 QA Records Storage Vault was investigated by core drilling and recorded by surface mapping (Reference 400).
1439	BLN-0025	3	BLN	Pt 02	FSAR 02	02.05.02.04.03	Editorial correction of the reference.	Revise first sentence of fourth paragraph to refer to "Dames and Moore" team for sources 4 and 4a rather than the "Bechtel" team
2291			BLN	Pt 02	FSAR 02	02.05.02.04.04.01.03	Editorial correction of the equation.	Revise third line of Equation 2.5.2-11 for u2(t) from a minus sign to a plus sign. Change - sign to + sign only.
2272			BLN	Pt 02	FSAR 02	02.05.02.06.03	Editorial correction for more accurate reference.	Revise Last Paragraph from: Comparison of site-specific GMRS to the Certified Seismic Design Response Spectrum (CSDRS) is addressed in Subsection 3.7.1.1.1. To read: Comparison of site-specific GMRS to the Certified Seismic Design Response Spectrum (CSDRS) is addressed in Subsection 3.7.1.1.1.
934			BLN	Pt 02	FSAR 02	02.05.03.02.01.03	RAI LTR 090 response to RAI 02.05.03-06	COLA Part 2, FSAR. Chapter 2, Section 2.5.3.2.1.3 will be revised To read: Based on interpretation of seismic reflection profile data, Bayona and others (Reference 406) and Thomas and Bayona (Reference 256) identify faults within the basement below the detachment that may have influenced the location of the Sequatchie Valley and Wills Valley thrust faults and folds (Figure 2.5-220). These basement faults are small-separation (<1,500 ft.) down-to-the-southeast normal faults that produce relief on the top of the basement surface. The close spatial association of the basement faults and the thrust faults suggests that this relief may have influenced the location of the overlying thrust faults (References 256 and 406). The inferred subdetachment basement fault associated with the Sequatchie Valley thrust fault is shown to lie at depth, approximately 2 to 3 mi. southwest of the site. The fault location is based on correlations between picks on seismic lines that are located approximately 23 mi. and 33 mi. to the northeast and southwest of the BLN Site, respectively (Figure 2.5-220). The closest distance of the inferred basement fault in Wills Valley is approximately 19 mi. There are no seismicity alignments or surface geologic evidence to indicate that these faults have been reactivated in the current tectonic stress field (Figure 2.5-294). No deformation or geomorphic features indicative of potential Quaternary activity have been reported in the literature for these faults, and none were identified during aerial and field reconnaissance.
930			BLN	Pt 02	FSAR 02	02.05.03.02.02.02	RAI LTR 090 response to RAI 02.05.03-03	1. COLA Part 2, FSAR. Chapter 2, Section 2.5.3.2.2.2 (portion) will be revised To read: Detailed investigations were conducted to document that the mapped Lineament #12 does not extend southward to the Unit 3 construction zone. The investigations included an inclined boring, geophysical surveys (refraction and microgravity), and two test pit excavations across the southward projected trace of the lineament (Figure 2.5-309A). The explorations found that the bedrock is generally massive and typical of bedrock encountered in other borings; no major joint or fracture zones were encountered. Additionally, the bedrock surface does not exhibit a localized zone of deeper weathering (greater than typical variation in weathering depth) along the projection of the lineament. Residual soil exposed in the test pit walls does not show shearing, localized fissuring, or other indications of possible underlying open or faulted bedrock structures (Appendix 2CC). These explorations therefore



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								<p>demonstrate that the lineament feature does not extend southward into the Unit 3 construction zone, and provide positive evidence for the absence of active faulting or deformation along the lineament projection.</p> <p>Descriptions of shearing and slickensides were noted in the logs of 1971-era boreholes (boring logs No. 75 and 78; also referenced as hole numbers W-30+00 and W-18+00, respectively) from borings drilled parallel to Lineament #12 north of the BLN site. It is noted that these borings were vertical and do not fall along the actual trace of the lineament. The reference of possible shearing is included to conservatively entertain the possibility that some shearing may be associated along, or proximal to, the lineament where it is mapped north of the Unit No. 3 construction zone. This possible shearing may be associated with deformation that created the Sequatchie anticline in late Paleozoic time, but is constrained to the area north of the Lineament #12 explorations and, if present, does not continue into the power block construction zone.</p>
932			BLN	Pt 02	FSAR 02	02.05.03.06	RAI LTR 090 response to RAI 02.05.03-04	<p>COLA Part 2, FSAR, Chapter 2, Subsection 2.5.3.6 (portion) will be revised To read: The Bellefonte Units 1 and 2 FSAR (Reference 201) concludes that structurally related major northeasttrending faults within the Valley and Ridge Province are inactive based on: (1) detailed geologic mapping investigations throughout the province in which no evidence of active faulting since the Paleozoic is described, implied, or inferred; (2) dating of a sample from the Copper Creek fault near the Clinch River breeder reactor site by potassium-argon methods that indicated last movement occurred 280-290 million years ago (Ma); (3) a core boring through the Missionary Ridge fault (at Chickamauga Dam) that indicated that pulverized material had recrystallized along the fault; and (4) core samples from the Tellico Project that showed the Knoxville fault as an unbroken sample at several locations, in contrast to core from an active fault which is typically sheared and fractured.</p>
933			BLN	Pt 02	FSAR 02	02.05.03.07	RAI LTR 090 response to RAI 02.05.03-05	<p>COLA Part 2, FSAR, Chapter 2, Subsection 2.5.3.7 (portion) will be revised from: No significant zones of Quaternary deformation that would require additional investigation are identified within 8 km (5 mi.) or 40 km (25 mi.) of the BLN site. To read: No zones of Quaternary deformation that would require additional investigation were identified within 8 km (5 mi.) or 40 km (25 mi.) of the site.</p>
1575			BLN	Pt 02	FSAR 02	02.05.04.01.03.03	RAI LTR 101 response to RAI 02.05.04-06 item 1	<p>1. COLA Part 2, FSAR Chapter 2, Subsection 2.5.4.1.3.3, will be revised To read: Due to inherent limitations of the seismic refraction method, discussed in Subsection 2.4.4.1.2, the seismic refraction models do not provide precise elevations of the top of competent rock. Top of competent rock is determined from the borehole data, and is defined here as the elevation below which rock core appears fresh, RQD is greater than 70%, geologists logs show no significant weathered intervals, and Vp measured from the borehole P/S logs (if available) exceeds 14,000 fps.</p> <p>Contour maps of the top of competent rock for Units 3 and 4 (Figure 2.5-314), similar to the top of weathered rock (Figure 2.5-310), show an irregular surface below the soil and weathered rock overburden. Excavations are expected to extend below these irregularities such that both Units 3 and 4 nuclear islands will be founded entirely on competent rock. Foundation grade is 588.6 feet for both units. However, local deep depressions in the bedrock surface, not discovered by the existing borehole grid, may be present that would require additional localized excavation.</p>
2273			BLN	Pt 02	FSAR 02	02.05.04.01.03.03	Correction to RAI Response 02.05.04-006	<p>Change the 7th paragraph from: "Due to inherent limitations of the seismic refraction method, discussed in Subsection 2.4.4.1.2, the seismic refraction models do not provide precise elevations of the top of competent rock." To read:</p>

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								"Due to inherent limitations of the seismic refraction method, discussed in Subsection 2.5.4.4.1.2, the seismic refraction models do not provide precise elevations of the top of competent rock."
1585			BLN	Pt 02	FSAR 02	02.05.04.01.05	RAI LTR 101 response to RAI 02.05.04-10	COLA Part 2, FSAR. Chapter 2, Section 2.5.4.1.5 will be revised To read: The BLN investigation did not encounter adverse geologic conditions in the Units 3 and 4 safety-related foundation explorations that pose a stability or safety hazard. Major safety-related structures are founded on fresh, hard bedrock, or on fill concrete placed over fresh, hard bedrock. This fill concrete fills in irregularities or depressions in the rock to provide a level surface and uniform interface for the structural basemat foundation. The mix design and placement criteria will follow ACI 318-02 and standard industry practice to provide a uniform concrete section that exhibits in-place shear wave velocities consistent with the underlying bedrock. Standard nuclear practice incorporates field observation to verify that the approved mixes are used, and to field test specimens that are used to verify required compressive strengths.
2190			BLN	Pt 02	FSAR 02	02.05.04.02.02	Editorial reversal of two boring values.	Text at end of subsection 2.5.4.2.2, second to the last sentence: Correct the sentence from: Of the 41 borings, only two borings had notably thicker overlying soil strata [B-1046 with 43.0 ft. and B-1051 with 23.6 ft.]. To read: Of the 41 borings, only two borings had notably thicker overlying soil strata [B-1046 with 23.6 ft. and B-1051 with 43.0 ft.].
1576			BLN	Pt 02	FSAR 02	02.05.04.04.01.02	RAI LTR 101 response to RAI 02.05.04-06 item 2	2. COLA Part 2, FSAR Chapter 2, Subsection 2.5.4.4.1.2, will be updated to expand the discussion of Velocity profiles.
1577			BLN	Pt 02	FSAR 02	02.05.04.04.01.03	RAI LTR 101 response to RAI 02.05.04-06 item 3	3. COLA Part 2, FSAR Chapter 2, Subsection 2.5.4.4.1.3, will be revised To read: Seismic P-wave velocity of 6000 fps is most correlative with the top of weathered rock. Figure 2.5-310 provides a comparison of the seismic refraction data and the borehole data. A more detailed 6000 fps model is presented in Figure 2.5-312, and the 14,000 fps model is shown in Figure 2.5-313. Subsection 2.5.4.1.3.3 presents a thorough discussion of the interpretation of these results with respect to weathering of bedrock and karst.
1588			BLN	Pt 02	FSAR 02	02.05.04.04.01.03	DUPLICATE INFO - RAI LTR 101 response to RAI 02.05.04-06 item 3	3. COLA Part 2, FSAR Chapter 2, Subsection 2.5.4.4.1.3, will be revised To read: Seismic P-wave velocity of 6000 fps is most correlative with the top of weathered rock. Figure 2.5-310 provides a comparison of the seismic refraction data and the borehole data. A more detailed 6000 fps model is presented in Figure 2.5-312, and the 14,000 fps model is shown in Figure 2.5-313. Subsection 2.5.4.1.3.3 presents a thorough discussion of the interpretation of these results with respect to weathering of bedrock and karst.
1589			BLN	Pt 02	FSAR 02	02.05.04.05.02.01	RAI LTR 101 response to RAI 02.05.04-11 item 1	1. COLA Part 2, FSAR. Chapter 2, Section 2.5.4.5.2.1 (first paragraph, last two sentences) will be revised To read: ...The soil excavation is sloped at a 1.5 (Horizontal): 1 (Vertical) inclination, as illustrated in Figures 2.5-348a and 2.5-348b, so lateral support is not required. A slope stability analysis was performed for the 1.5:1 temporary slope illustrated on the referenced figures. The analysis was performed using the Method of Slices - Simplified Bishop Method (Circular Slip Surface), as described in NAVFAC Design Manual 7.1 (Reference 2.5-476). This method is a Limit Equilibrium method, where the shear stresses induced on an assumed failure plane are compared to the shear strength of the material. A total stress analysis was conducted using conservatively-selected values of cohesion and angle of internal friction of 500 psf and 1.6 degrees, respectively. Maximum groundwater levels in monitoring wells in the soil in the area of Units 3

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								and 4, as shown on Table 2.5-243, were Elevation 605 feet and Elevation 615 feet, respectively. For the conservative total stress analysis, a water level at Elevation 618, the highest water level reported in Table 2.4.12-204, was used to reflect possible saturation of most of the slope. The results of the conservative analyses indicate a minimum Factor of Safety for the 1.5:1 temporary cut slope of 2.1.
1591			BLN	Pt 02	FSAR 02	02.05.04.05.02.01	RAI LTR 101 response to RAI 02.05.04-12	COLA Part 2, FSAR. Chapter 2, Section 2.5.4.5.2.1, last paragraph, will be revised To read: The foundation excavations are constructed at an approximate 85° inclination from horizontal and are generally unsupported. Kinematic analyses performed to evaluate the stability of proposed unsupported rock cuts incorporated data from borings in the excavation areas, and evaluation of the conditions and performance of similar rock excavations made in the same middle Stones Group units for the BLN Units 1 and 2. An average assumed interface friction value of 35°, based on careful review of rock core samples and typical literature-reported values for similar rock, was used in the kinematic analysis for the bedding plane surfaces which are by far the dominant rock mass structural feature. Bedding plane surfaces dip between about 15 and 17 degrees, and potentially daylight in excavation walls along the west margin of the construction area. The assumed interface friction value for bedding plane (and other minor, secondary joints) represents an average value of reported residual tests of limestone performed on wet, saw-cut rock samples. Kinematic analysis demonstrates that bedding plane failure is not a viable failure mode, because the gentle bedding dip inclination is much lower than the frictional resistance along the bedding plane surfaces (e.g. bedding dip of 15 to 17 degrees versus rock mass estimated friction angle of 35 degrees), effectively resisting the potential for sliding along these surfaces. Movement of small individual rock blocks loosened by excavation/blasting is possible, but the number, size, and frequency for such potential failures are low and addressed by localized excavation support ("spot bolts"), block removal, or flattening the cut slope. These measures are typical procedures for rock excavations. Based on the performance of the rock cut slopes during construction of Bellefonte Units 1 and 2, and current analysis discussed in Subsection 2.5.5, the slopes can perform satisfactorily in unsupported, 85 degree cut slopes in the fresh rock.
868			BLN	Pt 02	FSAR 02	02.05.04.05.02.02	RAI LTR 067 response to RAI 02.04.12-06b item 2	2. COLA Part 2, FSAR, Chapter 2, Subsection 2.5.4.5.2.2, second paragraph, will be revised To read: Based on information gathered from monitoring wells screened above the rock surface, there is a water table in the epikarst aquifer as discussed in Subsection 2.4.12. In the Unit 3 area, the maximum groundwater level in the epikarst aquifer is about elevation 605 ft. At Unit 4, the maximum level in the epikarst aquifer is at about elevation 615 ft. Table 2.5-243 shows this information. Additional information regarding groundwater conditions can be found in Subsection 2.5.4.6.
1592			BLN	Pt 02	FSAR 02	02.05.04.05.04	RAI LTR 101 response to RAI 02.05.04-13	COLA Part 2, FSAR. C2hapter 2, Section 2.5.4.5.4, second paragraph will be revised To read: In the space between the edge of the concrete basemat for the nuclear islands and the rock excavation, backfill material consists of lean, nonstructural concrete. The concrete has a specified compressive strength of 17.4 MPa (2,500 pounds per square inch) (Reference 458). In the space between the foundation walls and the soil excavation, the material to be used as backfill consists of Class I soils or soils with lower percentage of fines and lower plasticity. The geotechnical properties of Class I soils were discussed in Subsection 2.5.4.5.3.2.
1581			BLN	Pt 02	FSAR 02	02.05.04.05.05	RAI LTR 101 response to RAI 02.05.04-08 item 1	1. COLA Part 2, FSAR Chapter 2, Subsection 2.5.4.5.5, 3rd sentence will be revised To read: Geologic maps of the excavation sides and the bearing surface are prepared to

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								document the subgrade conditions, identify features requiring additional exploration, and identify areas needing additional rock removal, placement of dental concrete or grout or installation of rock bolts for slope integrity or prior to placing concrete or a mud mat for subgrade protection.
869			BLN	Pt 02	FSAR 02	02.05.04.06.01	RAI LTR 067 response to RAI 02.04.12-06b item 3	3. COLA Part 2, FSAR, Chapter 2, Subsection 2.5.4.6.1, 1st paragraph, 1st through 4th sentences, will be revised To read: Information on groundwater conditions was collected from boreholes at the time of drilling and from monitoring wells with long-term water level readings. As discussed in Subsection 2.4.12, there is a shallow epikarst aquifer underlain by the bedrock aquifer. Monitoring wells were installed, at locations shown on Figure 2.4.12-212, in groups of two or three wells that penetrate to different depths. The wells were denoted A, B, or C depending on the depth of penetration with A being the shallowest. The A-series wells were installed with the screen interval in the epikarst aquifer above the bedrock, to allow checks for water occurrence and fluctuation in the epikarst aquifer.
870			BLN	Pt 02	FSAR 02	02.05.04.06.01	RAI LTR 067 response to RAI 02.04.12-06b item 4	4. COLA Part 2, FSAR, Chapter 2, Subsection 2.5.4.6.1, 4th paragraph, first two sentences, will be revised To read: Monitoring wells terminating at different depths indicate that independent and varied piezometric levels may exist in a given profile. Typical causes of this are the greater porosity in the epikarst aquifer relative to the bedrock below and the nature of the joint connectivity in the bedrock.
872			BLN	Pt 02	FSAR 02	02.05.04.06.01	RAI LTR 067 response to RAI 02.04.12-06b item 5	5. COLA Part 2, FSAR, Chapter 2, Subsection 2.5.4.6.1, 5th paragraph, first sentence, will be revised from: The groundwater records from shallow wells screened only in the soil reflect perched groundwater conditions above the bedrock whereas those from deeper wells reflect groundwater conditions within the bedrock. To read: The groundwater records from shallow wells screened only in the soil reflect groundwater conditions in the epikarst aquifer above the bedrock whereas those from deeper wells reflect groundwater conditions within the bedrock.
873			BLN	Pt 02	FSAR 02	02.05.04.06.01	RAI LTR 067 response to RAI 02.04.12-06b item 6	6. COLA Part 2, FSAR, Chapter 2, Subsection 2.5.4.6.1, 6th paragraph, 3rd and 4th sentences, will be revised from: Based on these limited data, the perched groundwater near Unit 3 fluctuates between elevations lower than 601.1 ft. to elevation 605.2 ft. With respect to top of rock elevations, the perched groundwater is 3.4 to 9.4-ft. above the top of rock. To read: Based on these limited data, the groundwater in the epikarst aquifer near Unit 3 fluctuates between elevations lower than 601.1 ft. to elevation 605.2 ft. With respect to top of rock elevations, the groundwater level in the epikarst aquifer is 3.4 to 9.4-ft. above the top of rock.
874			BLN	Pt 02	FSAR 02	02.05.04.06.01	RAI LTR 067 response to RAI 02.04.12-06b item 7	7. COLA Part 2, FSAR, Chapter 2, Subsection 2.5.4.6.1, 7th paragraph will be revised from: For the two A-series monitoring wells near Unit 4, the highest recorded groundwater elevation is 614.7 ft., and the lowest recorded level is 605.1 ft., corresponding to 4.5-ft. to 10.7-ft. above the bedrock. To read: For the two A-series monitoring wells near Unit 4, the highest recorded groundwater elevation in the epikarst aquifer is 614.7 ft., and the lowest recorded level is 605.1 ft., corresponding to 4.5-ft. to 10.7-ft. above the bedrock.
875			BLN	Pt 02	FSAR 02	02.05.04.06.03	RAI LTR 067 response to RAI 02.04.12-06b item 8	8. COLA Part 2, FSAR, Chapter 2, Subsection 2.5.4.6.3, 2nd paragraph, last sentence, will be revised from:

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								Lowering of the perched groundwater in the soils is not expected to cause settlement of adjacent ground because the soil overlying the bedrock is mostly composed of stiff overconsolidated clays and the amount of water level reduction is slight. To read: Lowering of the groundwater in the epikarst aquifer is not expected to cause settlement of adjacent ground because the soil overlying the bedrock is mostly composed of stiff overconsolidated clays and the amount of water level reduction is slight.
1593			BLN	Pt 02	FSAR 02	02.05.04.07.03	RAI LTR 101 response to RAI 02.05.04-16	COLA Part 2, FSAR. Chapter 2, Subsection 2.5.4.7.3 will be revised from: The following laboratory testing technique was used to measure dynamic soil properties: • Resonant Column/ Torsional Shear (RCTS) testing of shear modulus and damping of six undisturbed samples of native residual soil. To read: The following laboratory testing technique was used to measure dynamic soil properties: • Resonant Column/ Torsional Shear (RCTS) testing of shear modulus and damping of six undisturbed samples of native residual soil. The results of these tests are provided in Tables 2.5-245 and 2.5-246
876			BLN	Pt 02	FSAR 02	02.05.04.07.04	RAI LTR 067 response to RAI 02.04.12-06b item 9	9. COLA Part 2, FSAR, Chapter 2, Subsection 2.5.4.7.4, 5th paragraph, will be revised To read: The groundwater table at the site occurs in the epikarst aquifer slightly above the bedrock surface. The groundwater table elevation is laterally variable based on groundwater measurements in both monitoring wells screened in the residual soils and the bedrock as described in Subsection 2.5.4.3. In the proximity of Unit 3, groundwater was measured in boreholes at approximate elevations ranging from 601 to 596 ft. In the proximity of Unit 4, groundwater is measured in boreholes at approximate elevations ranging from 612 to 601 ft. Based on information gathered from monitoring wells screened above the rock surface, there is a water table in the epikarst aquifer. In the Unit 3 area, the maximum ground water level in the epikarst aquifer is about elevation 605 ft. At Unit 4, the maximum ground water level in the epikarst aquifer is at about elevation 615 ft.
1574			BLN	Pt 02	FSAR 02	02.05.04.07.04	RAI LTR 101 response to RAI 02.05.04-05	COLA Part 2, FSAR. Chapter 2, Section 2.5.4.7.4 fourth paragraph will be revised To read: The geologic conditions satisfy the definition of a "uniform" hard rock site specified in the DCD Subsection 2.5.4.5 for the nuclear island basemats. Specifically, for the Unit 3 basemat, bedrock Unit D exists under most of basemat with Unit C on the southeast side. The average Vs of Unit C and Unit D is 8400 fps. The differences of shear wave velocity between Units C and D and the averaged Vs are 17%, which are less than 20 percent variation limit stated in DCD Subsection 2.5.4.5. For the Unit 4 basemat, bedrock Unit A underlies most of the basemat with Unit B on the northwest side. The average Vs of Unit A and Unit B is 8800 fps. The differences of shear wave velocity between Units A and B and the averaged Vs are 11%, which are less than 20 percent variation limit stated in DCD Subsection 2.5.4.5. The limestone bedrock Units A, B, C, and D are regularly bedded with a gentle dip 15° to 17° inclination which is less than DCD Subsection 2.5.4.5 limit of 20°. The individual beds exhibit substantial uniformity in conditions both along strike and dip throughout the Units 3 and 4 power block construction zone. The weathered top of rock is irregular with local variations in depth to top of rock on the order of about 3 to 10 ft. typically, but is globally quite flat without an overall sloping surface.
1594			BLN	Pt 02	FSAR 02	02.05.04.10.01	RAI LTR 101 response to RAI 02.05.04-18	COLA Part 2, FSAR. Chapter 2, Section 2.5.4.10.1; first paragraph, first and second bullet will be revised To read:

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								Using the lower bound rock properties for argillaceous limestone as shown in Table 2.5-236, both methods show bearing capacities well above the requirements in DCD Table 2-1 (8600 pounds per square foot [psf] for static and 35000 psf for dynamic). The calculated ultimate bearing capacities for Method 1 and allowable for Method 2 are: - Method 1; 692,000 psf , and - Method 2; 236,000 psf. This method provides an allowable bearing pressure based on rock properties only, not the methods by which loading is applied. It is therefore applicable to both static and dynamic loading.
1595			BLN	Pt 02	FSAR 02	02.05.04.10.05	RAI LTR 101 response to RAI 02.05.04-21 item 1	1. COLA Part 2, FSAR. Chapter 2, Subsection 2.5.4.10.5, last paragraph will be revised To read: Earth pressure coefficients for the at-rest and passive conditions determined using the methods described in Reference 462 are illustrated in Figures 2.5-360 and 2.5-361. Figure 2.5-360 shows the distribution of earth pressure from the soil backfill (at-rest condition), and, below the water table, the additional pressure caused by hydrostatic pressure. Figure 2.5-361 shows the soil passive earth pressure distribution, including the additional pressure caused by hydrostatic pressure below the water table.
2274			BLN	Pt 02	FSAR 02	02.05.04.12.01	Editorial improvement of the reference accuracy.	Revise 2nd sentence of 2nd paragraph from: "Information on the foundation configurations can be found in Section 3.8.5. To read: "Information on the foundation configurations can be found in DCD Subsection 3.8.5."
1582			BLN	Pt 02	FSAR 02	02.05.04.12.03	RAI LTR 101 response to RAI 02.05.04-08 item 2	2. COLA Part 2, FSAR Chapter 2, Subsection 2.5.4.12.3 will be revised To read: Weathered discontinuities which are encountered during excavation of the foundation are cleaned down to a depth of a minimum of two times their width or, if the joint widens with depth, cleaned downward farther until a wedging effect can be achieved with fill concrete. The rock properties used for bearing capacity and settlement analyses described in Subsection 2.5.4.10 were conservatively chosen, and include a reduction factor to account for blast damage to the rock during excavation. However, the rock mass properties can be improved by implementing a program of grouting to fill cracks formed, discontinuities widened, or stabilize rock blocks slightly displaced during blasting.  A grouting program is used to treat slipped bedding planes, cracks, and joints. Cracks that open to the horizontal surface are blown with air to remove loose material and cement grout is then poured into the crack until the grout level reaches the surface through the full length of the crack. For cracks that open to a vertical surface or steeply sloping cuts, small pipes (¾ to 1½ inch diameter) are installed; one at the lowest portion of the crack and one at the highest portion. The area around the pipes and the remaining portion of the crack are dry packed before concrete placement. Grout is first pumped into the crack at a low pressure (~5 psi) until refusal, and then into the upper pipe at the same low pressure until refusal. Cracks that opened to both the horizontal surface and vertical cuts are grouted with a pressure of ~5 psi until refusal, through pipes installed in the vertical crack as previously mentioned and through pipes installed in the surface cracks after these cracks are blown clean of loose material and covered with concrete. In a few cases, angled holes may be drilled to intercept cracks at a certain depth; for these, pipes are installed and caulked into each hole. The surface exposure of the crack is dry packed and then covered with concrete. These holes are grouted to-refusal using a pressure of ~5 psi. For these methods, the grout application uses a water cement mix ratio of between 2:1 and a 1:1 mix.

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1583			BLN	Pt 02	FSAR 02	02.05.04.12.06	RAI LTR 101 response to RAI 02.05.04-08 item 3	3. COLA Part 2, FSAR Chapter 2, Subsection 2.5.4.12.6 will be revised To read: Inspection and mapping of the completed excavations is accomplished through observation and examination by appropriately-qualified and trained project inspection personnel. Geophysical techniques such as Ground Penetrating Radar, electrical resistivity, and microgravity surveying are performed on the excavation base to check for indications of larger cavities, consistent with the capability of the techniques, or anomalies that are further explored using test holes or probes. Soundings, test holes, and similar measures are used to augment visual identification of areas needing repairs and to document that appropriate corrective measures have been completed. The quality assurance program in place during design, construction and operations phases is discussed in Section 17.5. Foundation improvement verification work will be conducted under that program. Milestones for implementation are not identified at this time because the construction planning has not yet been developed for this detailed activity.
57			BLN	Pt 02	FSAR 02	02.05.07 - R269	DUPLICATE INFO - RAI LTR 000 AR response to RAI 2.5.2-01(d)	ASSOCIATED BLN COL APPLICATION REVISIONS: COLA Part 2, FSAR Chapter 2, Subsection 2.5.7, Reference 269, will be revised from: Geomatrix Consultants, Inc., Dam Safety Seismic Hazard Assessment, Report prepared for the Tennessee Valley Authority, Vols 1 and 2, September 2004. To read: Geomatrix Consultants, Inc., Dam Safety Seismic Hazard Assessment, Report prepared for the Tennessee Valley Authority, Volume 1 (text and tables of Sections 1, 2, and 3) and Volume 2 (Figures of Sections 1, 2, and 3), September 2004.
1440	BLN-0026	3	BLN	Pt 02	FSAR 02	02.05.07 - R269	RAI LTR 000 AR response to RAI 2.5.2-01(d)	Revise Reference 269 to read: Geomatrix Consultants, Inc., Dam Safety Seismic Hazard Assessment, Report prepared for the Tennessee Valley Authority, Volume 1 (text and tables of Sections 1, 2, and 3) and Volume 2 (figures of Sections 1, 2, and 3), September 2004.
1590			BLN	Pt 02	FSAR 02	02.05.07 - R476	RAI LTR 101 response to RAI 02.05.04-11 item 2	2. COLA Part 2, FSAR. Chapter 2, Section 2.5.7 will be revised to add new reference 476: 476. Department of the Navy, Naval Facilities Engineering Command, Soil Mechanics Design Manua 7.1, Chapter 7, 1982.
1614			BLN	Pt 02	FSAR 02	02.05.07 - R477	RAI LTR 123 response to RAI 02.05.01-01 item 4	4. COLA Part 2, FSAR Chapter 2, Subsection 2.5.7 is modified to add a new reference.  477. Soil Survey Staff, 1975, Soil Taxonomy: a basic system of soil classification for making and interpreting soil surveys: U.S Department of Agriculture, Agriculture Handbook No. 436, pp. 42-43.
2491			BLN	Pt 02	FSAR 02	02.05.07/R442	Editorial revision	Revise Reference # 442 to accurately capture the 'access date' of 6/19/2007.
1262	BLN-0015	2	BLN	Pt 02	FSAR 02	02.05.T / T2.5-205	Editorial - Consistency	Revise Table number form 2.5.205 to 2.5-205 - also in Table of Contents
1611			BLN	Pt 02	FSAR 02	02.05F / F2.5-208 & -209	SUPERSEDED by RAI LTR 123 Supp 2 (Qb 2496) - RAI LTR 123 response to RAI 02.05.01-01 item 1	1. COLA Part 2, FSAR Chapter 2 figures are modified by replacing Figures 2.5-208 and -209 as follows:  Existing Figure 2.5-208, 25-Mi. Radius Geologic Map, will be renumbered as Figure 2.5-208a (Attachment 2.5.1-01B)  Existing Figure 2.5-209, Explanation of Geologic Map Units and Symbols 25-Mi., will be renumbered as Figure 2.5-208b (Attachment 2.5.1-01B)  A new Figure 2.5-209, Soil Weathering Features in Pleistocene Terrace Deposits, Gadsden, Alabama, is added (Attachment 2.5.1-01A).

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
2496			BLN	Pt 02	FSAR 02	02.05F / F2.5-208 & 209	RAI LTR 123 Supp 2 response to RAI 02.05.01-01, item 1	1. COLA Part 2, FSAR Chapter 2 Figures are modified by replacing Figures 2.5-208 and 209 as follows: a. The existing Figure 2.5-208, 25-Mi. Radius Geologic Map, will be renumbered as 2.5-208a (Attachment 2.5.1-01B) b. The existing Figure 2.5-209, Explanation of Geologic Map Units and Symbols 25-Mi., will be renumbered as 2.5-208b (Attachment 2.5.1-01B) c. Add new Figure 2.5-209, Soil Weathering Features in Pleistocene Terrace Deposits, Gadsden, Alabama. (Attachment 2.5.1-01A)
2192			BLN	Pt 02	FSAR 02	02.05F / F2.5-299	Editorial spelling correction.	Correct misspelled 'velocity', bottom.
931			BLN	Pt 02	FSAR 02	02.05F / F2.5-309A	RAI LTR 090 response to RAI 02.05.03-03 item 2	2. COLA Part 2, FSAR, Chapter 2, add new Figure 2.5-309a as in Attachment 02.05.03-03A
1578			BLN	Pt 02	FSAR 02	02.05F / F2.5-314	RAI LTR 101 response to RAI 02.05.04-06 item 4	4. COLA Part 2, FSAR Chapter 2, Figure 2.5-314 will be revised as presented in Attachment 02.05.04-06A.
2191			BLN	Pt 02	FSAR 02	02.05F / F2.5-339	No boring shown	Remove B-1025, under S52°E, top center.
1579			BLN	Pt 02	FSAR 02	02.05F / F2.5-348a	RAI LTR 101 response to RAI 02.05.04-06 item 5	5. COLA Part 2, FSAR Chapter 2, Figure 2.5-348a will be revised as presented in Attachment 02.05.04-06A.
1610			BLN	Pt 02	FSAR 02	02.05F / F2.5-348a & -348b	DUPLICATE INFO - RAI LTR 101 response to RAI 02.05.04-15	COLA Part 2, FSAR Chapter 2, Figures 2.5-348a and 2.5-348b will be revised as part of the response to NRC RAI No. 02.05.04-06.
1580			BLN	Pt 02	FSAR 02	02.05F / F2.5-348b	RAI LTR 101 response to RAI 02.05.04-06 item 6	6. COLA Part 2, FSAR Chapter 2, Figure 2.5-348b will be revised as presented in Attachment 02.05.04-06A.
2193			BLN	Pt 02	FSAR 02	02.05F / F2.5-356	Accuracy	Remove a statement on curves, which is appropriate for for figure 2.5-357 only
1596			BLN	Pt 02	FSAR 02	02.05F / F2.5-360	RAI LTR 101 response to RAI 02.05.04-21 item 2 Figure number corrected by Qb 2049.	2. COLA Part 2, FSAR Chapter 2, Figure 2.5.4-360 will be revised as indicated in Attachment 02.05.04-21A.
2049			BLN	Pt 02	FSAR 02	02.05F / F2.5-360	Numbering consistency	Revise the number for Figure 2.5.4-360 identified in RAI LTR 101 response to RAI 02.05.04-21 item 2 (Qb 1596) as Figure 2.5-360.
1597			BLN	Pt 02	FSAR 02	02.05F / F2.5-361	RAI LTR 101 response to RAI 02.05.04-21 item 3 Figure number corrected by Qb 2050.	3. COLA Part 2, FSAR Chapter 2, Figure 2.5.4-361 will be revised as indicated in Attachment 02.05.04-21B.
2050			BLN	Pt 02	FSAR 02	02.05F / F2.5-361	Numbering consistency	Revise the number for Figure 2.5.4-361 identified in RAI LTR 101 response to RAI 02.05.04-21 item 3 (Qb 1597) as Figure 2.5-361.
1990			BLN	Pt 02	FSAR 02	02.05F / F2.5-362	Remove unnecessary building legend designation	The BUILDING LEGEND item 1 is revised to read "NEW PRIMARY ACCESS PORTAL"
2048			BLN	Pt 02	FSAR 02	02.05F / F2.5-362	Consistency with other figures using this base map and legend	The POND LEGEND is revised from "POND B" to read "WWRB" and to omit the legend information for POND F and POND G
738			BLN	Pt 02	FSAR 02	02BB	RAI LTR 067 response to RAI 02.04.12-06e	COLA Part 2, FSAR Chapter 2 revisions are addressed in the above identified letter.
1207			BLN	Pt 02	FSAR 02	02DD	RAI LTR 096 response to	COLA Part 2, FSAR, Chapter 2, will be revised to incorporate a new Appendix 2DD as



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							RAI 02.03.03-05	provided in Attachment 02.03.03-05B.
1554			BLN	Pt 02	FSAR 02	02DD	RAI LTR 096 Supp response to RAI 02.03.03-05	COLA Part 2, FSAR, Chapter 2, will be revised to incorporate a new Appendix 2DD as provided in the original response and the replacement of the two reoriented figures.
1196			STD	Pt 02	FSAR 03	03.02.01	RAI LTR 104 response to RAI 03.02.01-01	COLA Part 2, FSAR Chapter 3, Subsection 3.2.1 will be revised to include the following additional statement: The nonsafety-related structures, systems, and components outside the scope of the DCD are classified as non-seismic (NS).
1446	BLN-0032	3	BLN	Pt 02	FSAR 03	03.03.01.01, 03.03.02.01, 03.03.02.03	TR134, R5 item NRC258. Although the LMA for this information is site-specific, due to use of the plant name, the information is standard for all plants falling within the AP1000 typical site plan. Other sites should replace BLN with the site designation (e.g., WSL, VEGP, VCS, LNP, HAR)	Add LMA of BLN COL 3.5-1 to the wording of these section
1442	BLN-0028	3	BLN	Pt 02	FSAR 03	03.03.03	TR134, R5 item NRC258. Although the LMA for this information is site-specific, due to use of the plant name, the information is standard for all plants falling within the AP1000 typical site plan. Note that the referenced figure number is also site-specific.	Add the following three paragraphs to the current text of Section 3.3.3: "Subsection 1.2.2 discusses differences between the plant specific site plan (see Figure 1.1-202) and the AP1000 typical site plan shown in DCD Figure 1.2-2. There are no other structures adjacent to the nuclear island other than as described and evaluated in the DCD. Missiles caused by external events separate from the tornado are addressed in Subsections 2.2 through 2.2.3, 3.5.1.5, and 3.5.1.6."
251	AP-STD-0024	0	STD	Pt 02	FSAR 03	03.05.01.03	Editorial - correct word choice	Change "two AP1000 plants side and side" to "two AP1000 plants side by side"
716			STD	Pt 02	FSAR 03	03.05.01.03	RAI LTR 053 response to RAI 03.05.01.03-01	COLA Part 2, FSAR Chapter 3, Section 3.5.1.3 (associated with STD SUP 3.5-1), will be revised To read: The potential for a turbine missile from another AP1000 plant in close proximity has been considered. As noted in DCD Subsection 10.2.2, the probability of generation of a turbine missile (or P1 as identified in SRP 3.5.1.3) is less than $1 \times 10^{-5}$ per year. This missile generation probability (P1) combined with an unfavorable orientation P2xP3 conservative product value of $10^{-2}$ (from SRP 3.5.1.3) results in a probability of unacceptable damage from turbine missiles (or P4 value) of less than $10^{-7}$ per year per plant which meets the SRP 3.5.1.3 acceptance criterion and the guidance of Regulatory Guide 1.115. Thus, neither the orientation of the side-by-side AP1000 turbines nor the separation distance is pertinent to meeting the turbine missile generation acceptance criterion. In addition, the reinforced concrete shield building and auxiliary building walls, roofs, and floors, provide further conservative, inherent protection of the safety-related SSCs from a turbine missile.
1447	BLN-0033	3	BLN	Pt 02	FSAR 03	03.05.01.05, 03.05.01.06	TR134, R5 item NRC258. Although the LMA for this information is site-	Add LMA of BLN COL 3.3-1 to the wording of these section

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							specific, due to use of the plant name, the information is standard for all plants falling within the AP1000 typical site plan. Other sites should replace BLN with the site designation (e.g., WSL, VEGP, VCS, LNP, HAR)	
1316			BLN	Pt 02	FSAR 03	03.05.01.06	RAI LTR 100 response to RAI 03.05.01.06-02	COLA Part 2, FSAR Chapter 3, Subsection 3.5.1.6, 7th paragraph, will be changed from: Utilizing the above data, the total probability of an aircraft crash into the plant was determined to be $1.04 \times 10^{-6}$ per year. To read: Utilizing the above data, the total probability of an aircraft crash into the plant was determined to be $8.8 \times 10^{-7}$ per year.
1443	BLN-0029	3	BLN	Pt 02	FSAR 03	03.05.04	TR134, R5 item NRC258. Although the LMA for this information is site-specific, due to use of the plant name, the information is standard for all plants falling within the AP1000 typical site plan. Other sites should replace BLN with the site designation (e.g., WSL, VEGP, VCS, LNP, HAR). Note that the referenced figure number is also site-specific.	Revise Section 3.5.4 to read as follows: "Add the following text to the end of DCD Subsection 3.5.4. The BLN site satisfies the site interface criteria for wind and tornado (see Subsections 3.3.1.1, 3.3.2.1 and 3.3.2.3) and will not have a tornado-initiated failure of structures and components within the applicant's scope that compromises the safety of AP1000 safety-related structures and components (see also Subsection 3.3.3). Subsection 1.2.2 discusses differences between the plant specific site plan (see Figure 1.1-202) and the AP1000 typical site plan shown in DCD Figure 1.2-2. There are no other structures adjacent to the nuclear island other than as described and evaluated in the DCD. Missiles caused by external events separate from the tornado are addressed in Subsections 2.2 through 2.2.3, 3.5.1.5, and 3.5.1.6."
163	AP-STD-0108a	1	STD	Pt 02	FSAR 03	03.06.04.01	SUPERSEDED by Qb 1823 - DCD conforming changes - refer to TVA letter dated January 14, 2008	Revise the text of these two Subsections in accordance with Enclosure 1 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchardt)
252	AP-STD-0025	0	STD	Pt 02	FSAR 03	03.06.04.01	Fix typographical error correct pointer (note that hyperlink is unaffected)	Pointer to 3.6.5.2 should be to 3.6.2.5
1023	AP-STD-0183	2	STD	Pt 02	FSAR 03	03.06.04.01	grammatical error	Delete comma between "support" and "design"
1823			STD	Pt 02	FSAR 03	03.06.04.01	WEC DCD Rev 17 conforming change	Revise the text of Subsection 3.6.4.1 to remove the first paragraph added by Enclosure 1 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchardt). Net result is no change from Rev 0.
1599			BLN	Pt 02	FSAR 03	03.07.01.01	This paragraph revised by both LTR 110 and 112. This change provides appropriate combination of these previous changes.	COLA Part 2, FSAR Chapter 3, Subsection 3.7.1.1.1, last paragraph, should read: Similar high-frequency exceedances were evaluated by Westinghouse in DCD Appendix 3I using a hard rock spectrum (shown as WEC generic hard rock spectrum in Figures 3.7-201 and 3.7-202). In Figures 3.7-201 and 3.7-202, it can be seen that the horizontal and vertical GMRS are below the corresponding horizontal and vertical WEC generic hard rock spectrum for all frequencies. As described in DCD Appendix 3I, generic hard rock spectrum high frequency exceedances (and therefore

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								the site specific exceedances) will not adversely affect the systems, structures, or components of the plant.
1301			BLN	Pt 02	FSAR 03	03.07.01.01.01	RAI LTR 110 response to RAI 03.07.01-01 item 3	3. COLA Part 2, FSAR Chapter 3, Subsection 3.7.1.1.1, last paragraph, will be revised from: The high frequency exceedances described above are within the seismic design margin of the AP1000, and will not adversely affect the systems, structures, or components of the plant. To read: Similar high-frequency exceedances were evaluated by Westinghouse in DCD Appendix 3I using a hard rock spectrum (shown as WEC generic hard rock spectrum in Figures 3.7-201 and 3.7-202). In Figures 3.7-201 and 3.7-202, it can be seen that the horizontal and vertical GMRS are below the corresponding horizontal and vertical WEC generic hard rock spectrum for all frequencies. As described in DCD Appendix 3I, generic hard rock spectrum high frequency exceedances (and therefore the site specific exceedances) are within the seismic design margin of the AP1000 and will not adversely affect the systems, structures, or components of the plant.
1419			BLN	Pt 02	FSAR 03	03.07.01.01.01	RAI LTR 112 response to RAI 19-04 item 1	2. COLA Part 2, FSAR. Chapter 3, Subsection 3.7.1.1.1, third paragraph will be revised from: The high frequency exceedances described above are within the seismic design margin of the AP1000, and will not adversely affect the systems, structures, or components of the plant. To read: The high frequency exceedances described above have been evaluated by Westinghouse and these exceedances will not adversely affect the systems, structures, or components of the plant.
987	AP-STD-0147	2	STD	Pt 02	FSAR 03	03.07.02.08.01	SUPERCEDED by Qb #1303	In the last line of this section "auxiliary and shield building" should be "auxiliary building and shield building."
1303			STD	Pt 02	FSAR 03	03.07.02.08.01	RAI LTR 110 response to RAI 03.07.01-03	COLA Part 2, FSAR Chapter 3, Subsection 3.7.2.8.1 will be revised to omit the following statement (note that this supersedes previously provided Errata items affecting this sentence): The annex building is designed so that it will not collapse and damage the safety related auxiliary and shield building. Note that this is the only sentence in FSAR 3.7.2.8.1 - thus the entire section is removed.
1465	AP-STD-0270	3	STD	Pt 02	FSAR 03	03.07.02.08.01	SUPERCEDED by Qb #1303	Revise "safety related" to "seismic Category I" to read "The annex building is designed so that it will not collapse and damage the seismic Category I auxiliary building and shield building."
1466	AP-STD-0271	3	STD	Pt 02	FSAR 03	03.07.04.02.01	Allow more flexibility - the instrumentation need not be limited to the protected area.	Revise text to remove "within the protected area"
1302			BLN	Pt 02	FSAR 03	03.07F / F 3.7-201 & 3.7-202	RAI LTR 110 response to RAI 03.07.01-01 item 4	4. COLA Part 2, FSAR Chapter 3, Section 3.7, Figures 3.7-201 and 3.7-202 will be revised to reflect a comparison of the AP1000 CSDRS, the AP1000 HRHF GMRS, and the site specific GMRS as shown in Attachment 03.07.01-01A.
1249	BLN-0002a	0	BLN	Pt 02	FSAR 03	03.07F / F3.7-201	Revise figures consistent with DCD change described in TR-144 (HRHF GMRS fully bound the BLN GMRS)	Revise figures to show TR-144 HRHF GMRS along with CSDRS and BLN GMRS

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1264	BLN-0002b	0	BLN	Pt 02	FSAR 03	03.07F / F3.7-202	Revise figures consistent with DCD change described in TR-144 (HRHF GMRS fully bound the BLN GMRS)	Revise figures to show TR-144 HRHF GMRS along with CSDRS and BLN GMRS
314	AP-STD-0221	2	STD	Pt 02	FSAR 03	03.09.03.04.04	RAI LTR 006 response to RAI 03.09.06-01	COLA Part 2, FSAR Chapter 3, Section 3.9.3.4.4, second paragraph, first sentence. (first paragraph after bullet c.6) will be revised from: "If the period between the initial pre-service examination and initial system preoperational tests exceeds 6 months, reexamination of Items i, iv, and v is performed." To read: "If the period between the initial pre-service examination and initial system preoperational tests exceeds 6 months, reexamination of Items 1, 4, and 5 is performed."
331			STD	Pt 02	FSAR 03	03.09.03.04.04	RAI LTR 007 response to RAI 03.09.06-03	COLA Part 2, FSAR Chapter 3, Subsection 3.9.3.4.4, will be revised to provided an expanded discussion of Snubber Preservice and Inservice Examination and Testing.
937			STD	Pt 02	FSAR 03	03.09.03.04.04	RAI LTR 107 response to RAI 03.09.03-01	COLA Part 2, FSAR, Chapter 3, Section 3.9.3.4.4 will be revised to provide additional information related to Inspection, Testing, Repair and/or Replacement of Snubbers by adding additional text after the last paragraph of DCD Subsection 3.9.3.4.4.
2196			STD	Pt 02	FSAR 03	03.09.03.04.04	WEC DCD Rev 17 conforming change to RAI LTR 107 response to RAI 03.09.03-01	COLA Part 2, FSAR, Chapter 3, Section 3.9.3.4.4 introductory statement will be revised from (as provided in response to BLN-RAI-LTR-107): Add the following subsection after DCD Subsection 3.9.3.4.3: 3.9.3.4.4 Inspection, Testing, Repair and/or Replacement of Snubbers To read: 3.9.3.4.4 Inspection, Testing, Repair, and/or Replacement of Snubbers Add the following text after the last paragraph of DCD Subsection 3.9.3.4.4:
93	AP-STD-0035	1	STD	Pt 02	FSAR 03	03.09.06	Editorial - correction of mis-spelled word	Change spelling of the word, "perservice," to "preservice"
94	AP-STD-0036	1	STD	Pt 02	FSAR 03	03.09.06.02.02	Editorial - consistency in hyphenation	Add a hyphen between the words "Power" and "Operated" in the two quotations of the DCD Section title to be consistent with the DCD
95	AP-STD-10037a	1	STD	Pt 02	FSAR 03	03.09.06.02.02	Consistency in citations of references	Reference 201 is added to Section 3.9.9 to address the JOG MOV PV study; the reference to ASME OMN-1 is changed to Reference 202
235	AP-STD-0004	0	STD	Pt 02	FSAR 03	03.09.06.02.02	Consistency in citations of references	Add reference (ASME Code Case OMN-1 Revision 1) cited in 3.9.6.2.2 and 3.9.6.3 to reference section 3.9.9
332			STD	Pt 02	FSAR 03	03.09.06.02.02	RAI LTR 007 response to RAI 03.09.06-07 item 1	COLA Part 2, FSAR, Chapter 3, Subsection 3.9.6.2.2, will be revised to add new info as the first two paragraphs, Add a sentence to the end of the fourth paragraph under the heading "Manual/Power-Operated Valve Tests," Add a new last paragraph under the heading "Manual/Power-Operated Valve Tests," Add a new paragraph just prior to the heading "Other Power-Operated Valve Operability Tests," Under the heading "Check Valves Tests," add a new paragraph, Add new last paragraphs under the heading "Check Valve Flow Tests."
333			STD	Pt 02	FSAR 03	03.09.06.02.02	RAI LTR 007 response to RAI 03.09.06-09	COLA Part 2, FSAR Chapter 3, Subsection 3.9.6.2.2 will be revised to update the section on Active MOV Test Frequency Determination.
334			STD	Pt 02	FSAR 03	03.09.06.02.02	RAI LTR 007 response to RAI 03.09.06-10	COLA Part 2, FSAR Chapter 3, Subsection 3.9.6.2.2 will be revised with the paragraph titled "Design Basis Verification Test" deleted.
335			STD	Pt 02	FSAR 03	03.09.06.02.02	RAI LTR 007 response to	COLA Part 2, FSAR Chapter 3, Subsection 3.9.6.2.2, paragraph titled "Other Power-

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							RAI 03.09.06-11	Operated Valve Operability Tests" will be expanded beyond the existing paragraph.
834			STD	Pt 02	FSAR 03	03.09.06.02.02	DUPLICATE INFO - RAI LTR 007 response to RAI 03.09.06-06	COLA Part 2, FSAR Chapter 3, Subsection 3.9.6.2.2, will be revised as described in the response to RAI No. 03.09.06-11.
835			STD	Pt 02	FSAR 03	03.09.06.02.02	DUPLICATE INFO - RAI LTR 007 response to RAI 03.09.06-08	COLA Part 2, FSAR, Chapter 3, Subsection 3.9.6.2.2, will be revised as identified in the response to RAI 03.09.06-11.
836			STD	Pt 02	FSAR 03	03.09.06.02.02	DUPLICATE INFO - RAI LTR 007 response to RAI 03.09.06-15	COLA Part 2, FSAR Chapter 3, Subsection 3.9.6.2.2 will be revised as indicated in the responses to RAI Nos. 03.09.06-08 and 03.09.06-11.
2198			STD	Pt 02	FSAR 03	03.09.06.02.02	Consistency and supplement to RAI LTR 007 response to RAI 03.09.06-07 item 1	Add the following introductory phrase before the change to Subsection 3.9.6.2.2, to add new info as the first two paragraphs per Qb 332. "Add the following prior the initial paragraph of DCD Subsection 3.9.6.2.2:"  Also add LMA STD COL 3.9-4 for each new revision identified by Qb 332.
2206			STD	Pt 02	FSAR 03	03.09.06.02.02	Editorial consistency in referencing to DCD	1. Replace: "Under the heading "Check Valves Tests," add the following new paragraph:" To read: Add the following new paragraph under the heading "Check Valve Tests" in DCD Subsection 3.9.6.2.2 2.Change: "refer to Section 14.2" in text at top of page to: "refer to DCD Subsection 14.2 3. Replace: "Add the following new last paragraphs under the heading "Check Valve Flow Tests:" To read: Add the following new last paragraphs under the subheading "Check Valve Exercise Tests" in DCD Subsection 3.9.6.2.2
1224			STD	Pt 02	FSAR 03	03.09.06.02.03	RAI LTR 007 response to RAI 03.09.06-07 item 2	Add the following paragraph as the new second paragraph of Subsection 3.9.6.2.3: During the disassembly process, the full-stroke motion of the obturator is verified. Nondestructive examination is performed on the hinge pin to assess wear, and seat contact surfaces are examined to verify adequate contact. Full-stroke motion of the obturator is re-verified immediately prior to completing reassembly. At least one valve from each group is disassembled and examined at each refueling outage, and all the valves in each group are disassembled and examined at least once every eight years. Before being returned to service, valves disassembled for examination or valves that received maintenance that could affect their performance are exercised with a full- or part-stroke. Details and bases of the sampling program are documented and recorded in the test plan.
1059	AP-STD-0219	2	STD	Pt 02	FSAR 03	03.09.06.02.04	Grammatical error	In the first line, add "s" after "Preservice test."
1225			STD	Pt 02	FSAR 03	03.09.06.02.04	RAI LTR 007 response to RAI 03.09.06-07 item 3	Add the following as the new first paragraph of Subsection 3.9.6.2.4: Each valve subject to inservice testing is also tested during the preservice test period. Preservice tests are conducted under conditions as near as practicable to those expected during subsequent inservice testing. Valves (or the control system) that have undergone maintenance that could affect performance, and valves that have been repaired or replaced, are re-tested to verify performance parameters that could have been affected are within acceptable limits. Safety and relief valves and nonreclosing pressure relief devices are preservice tested in accordance with the requirements of the ASME OM Code, Mandatory Appendix I.
1226			STD	Pt 02	FSAR 03	03.09.06.02.05	RAI LTR 007 response to RAI 03.09.06-07 item 4	Add the following to the end of the paragraph of Subsection 3.9.6.2.5: When a valve or its control system has been replaced, repaired, or has undergone

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								maintenance that could affect valve performance, a new reference value is determined, or the previous value is reconfirmed by an inservice test. This test is performed before the valve is returned to service, or immediately if the valve is not removed from service. Deviations between the previous and new reference values are identified and analyzed. Verification that the new values represent acceptable operation is documented.
96	AP-STD-0038	1	STD	Pt 02	FSAR 03	03.09.06.03	SUPERSEDED by LTR 007 - Editorial - word choice	In the sixth line of the first full paragraph, change the spelling of the word "for" to "forth"
236	AP-STD-0005	0	STD	Pt 02	FSAR 03	03.09.06.03	SUPERSEDED by LTR 007 - Editorial - word choice	In first paragraph, fifth line, change "access" to "assess"
336			STD	Pt 02	FSAR 03	03.09.06.03	RAI LTR 007 response to RAI 03.09.06-12	COLA Part 2, FSAR Chapter 3, Subsection 3.9.6.3 Insert for the text after the first paragraph in DCD Subsection 3.9.6.3, will be revised To read: Insert the following text after the first paragraph in DCD Subsection 3.9.6.3: The IST Program described herein utilizes Code Case OMN-1, Revision 1, "Alternative Rules for the Preservice and Inservice Testing of Certain Electric Motor-Operated Valve Assemblies in Light Water Reactor Power Plants." Code Case OMN-1 establishes alternate rules and requirements for preservice and inservice testing to assess the operational readiness of certain motor operated valves, in lieu of the requirements set forth in ASME OM Code Subsection ISTC. Implementation of the program described in Code Case OMN-1 will require request for relief, unless Code Case OMN-1, Revision 1, is approved by the NRC in Regulatory Guide 1.192, or the case has been incorporated into the ASME OM Code on which the IST program is based, and that Code is approved in 10 CFR 50.55a(b).
1600			STD	Pt 02	FSAR 03	03.09.06.03	Include appropriate reference information	COLA Part 2, FSAR Chapter 3, Subsection 3.9.6.3 will be revised to include (Reference 202) at the end of the first sentence of the new paragraph added by LTR-007 to read: The IST Program described herein utilizes Code Case OMN-1, Revision 1, "Alternative Rules for the Preservice and Inservice Testing of Certain Electric Motor-Operated Valve Assemblies in Light Water Reactor Power Plants" (Reference 202).
2022			STD	Pt 02	FSAR 03	03.09.06.03	RAI LTR 007 S1 response to RAI 03.09.06-12	COLA Part 2, FSAR, Subsection 3.9.6.3, will be revised to delete the following paragraph: "Normal residual heat removal system containment penetration relief valve (RNS-V021) and containment isolation motor-operated valve (RNS-V023) are subjected to containment leak testing by pressurizing the lines in the reverse direction to the flow of a containment leak via this path. This test method requires a Relief Request in the IST Program."
1073	AP-STD-0233	2	STD	Pt 02	FSAR 03	03.09.06.03	SUPERSEDED by LTR 007 - To ensure reference to applicable table.	3rd paragraph, add "DCD" in front of "Table 3.9-16"
1598	AP-STD-0108b	1	STD	Pt 02	FSAR 03	03.09.08.02	SUPERSEDED by Qb 1826 - DCD conforming changes - refer to TVA letter dated January 14, 2008	Revise the text of these two Subsections in accordance with Enclosure 1 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchart)
1826			STD	Pt 02	FSAR 03	03.09.08.02	WEC DCD Rev 17 conforming change	Revise the text of Subsection 3.9.8.2 to remove the two statements added by Enclosure 1 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchart). Net result is no change from Rev 0.
1228			STD	Pt 02	FSAR 03	03.09.09	RAI LTR 007 response to RAI 03.09.06-11 item 2	COLA Part 2, FSAR Chapter 3, Subsection 3.9.9, will be revised to add the following references:

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								203 Joint Owners Group Air Operated Valve Program Document, Revision 1, December 13, 2000 204 USNRC, Eugene V. Imbro, letter to Mr. David J. Modeen, Nuclear Energy Institute, Comments On Joint Owners' Group Air Operated Valve Program Document, dated October 8, 1999
1238	AP-STD-0037b	1	STD	Pt 02	FSAR 03	03.09.09	Consistency in citations of references	Reference 201 is added to Section 3.9.9 to address the JOG MOV PV study; the reference to ASME OMN-1 is changed to Reference 202
97	AP-STD-0039	1	STD	Pt 02	FSAR 05	05.02.01.01	SUPERSEDED by Qb 620 Editorial - correction of mis-spelled word	In the second line of the first full paragraph, correct the spelling of the word, "reconciliation."
620			STD	Pt 02	FSAR 05	05.02.01.01	RAI LTR 024 response to RAI 05.02.01.01-01	COLA Part 2, FSAR Chapter 5, Section 5.2.1.1, will be revised To read: If a later Code edition/addenda than the Design Certification Code edition/addenda is used by the material and/or component supplier, then a code reconciliation to determine acceptability is performed as required by the ASME Code, Section III, NCA-1140.
740			STD	Pt 02	FSAR 05	05.02.01.01	RAI LTR 051 response to RAI 05.02.01.01-02	COLA Part 2, FSAR, Chapter 5, Subsection 5.2.1.1, will be revised to add the following new paragraph at the end of the subsection (the existing LMA STD COL 5.2-1 is applicable): Inservice inspection of the reactor coolant pressure boundary is conducted in accordance with the applicable edition and addenda of the ASME Boiler and Pressure Vessel Code Section XI, as described in Subsection 5.2.4. Inservice testing of the reactor coolant pressure boundary components is in accordance with the edition and addenda of the ASME OM Code as discussed in Subsection 3.9.6 for pumps and valves, and as discussed in Subsection 3.9.3.4.4 for dynamic restraints.
741			STD	Pt 02	FSAR 05	05.02.01.01	RAI LTR 051 response to RAI 05.02.01.01-04	COLA Part 2, FSAR, Chapter 5, Subsection 5.2.1.1, will be revised from: Similarly, if Code Cases other than those included in DCD Table 5.2-3 are used, a similar review and reconciliation is performed. To read: Code Cases to be used in design and construction are identified in the DCD; additional Code Cases for design and construction beyond those for the design certification are not required.
742			STD	Pt 02	FSAR 05	05.02.01.01	DUPLICATE INFO - RAI LTR 052 response to RAI 05.02.01.02-01	COLA will be revised as shown in the above identified associated RAI responses (RAI LTR 024 AND RAI LTR 051).
743			STD	Pt 02	FSAR 05	05.02.01.01	DUPLICATE INFO - RAI LTR 052 response to RAI 05.02.01.02-02	COLA will be revised as shown in the above identified associated RAI response. (RAI LTR 051)
1514	AP-STD-0319	3	STD	Pt 02	FSAR 05	05.02.01.01	Editorial	In the introductory sentence, add the word "of" between the words "sentence" and "the"
2023			BLN	Pt 02	FSAR 05	05.02.01.01	Conformance with RAI response dated July 3, 2008, which made the same change to the first sentence in this subsection (COLA Change #620).	COLA Part 2, FSAR Chapter 5, Subsection 5.2.1.1, third sentence is changed by replacing "year/addenda" with "edition/addenda."
302			STD	Pt 02	FSAR 05	05.02.03.02.01	RAI LTR 001 response to	COLA Part 2, FSAR Chapter 5, Subsection 5.2.3.2.1 will be revised to expand

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							05.03.02-01 item 1	discussion of monitoring of water chemistry is implemented using the guidance of EPRI TR-1 002884.
2154			STD	Pt 02	FSAR 05	05.02.03.02.01	Editorial clarification of RAI LTR 001 response to 05.03.02-01 item 1	COLA Part 2, FSAR Chapter 5, Subsection 5.2.3.2.1 will be revised to expand the final sentence to end "...the corrective actions were effective in returning the concentrations of contaminants to within the specified range."
949			STD	Pt 02	FSAR 05	05.02.04.01	RAI LTR 074 response to RAI 05.02.04-05	COLA Part 2, FSAR, Chapter 5, Section 5.2.4.1, fifth paragraph, will be revised from its discussion of the NRC First Revised Order EA-03-009 and ASME Code Case N-729-1 To read: The inservice inspection program is augmented for reactor vessel top head inspections by use of the ASME Code Case N-729-1, "Alternative Examination Requirements for Pressurized-Water Reactor (PWR) Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds," as modified by the NRC Staff position on the use of ASME Code Case N-729-1 shown in the proposed rulemaking dated April 5, 2007 (72 FR 16740).
1515	AP-STD-0320	3	STD	Pt 02	FSAR 05	05.02.04.01	SUPERSEDED by Qb 949 - Editorial	In the first full paragraph on Page 5.2-3 (starts with, "NRC First Revised Order..."), fifth sentence, insert the word "of" between the phrases "perform the inspection" and "the AP1000 reactor vessel pressure head." In the sixth sentence, change "Globe" to "Grobe."
1227	AP-STD-0166b	2	STD	Pt 02	FSAR 05	05.02.04.03.02	RG 1.150 was withdrawn per 73 FR 7766, 02/11/2008 and had been inadvertently omitted from FSAR Appendix 1AA	In 5.2.4.3.2, revise last sentence of the paragraph to read "Qualification to ASME Section XI, Appendix VIII, is in compliance with the provisions of 10 CFR 50.55a."
2071			STD	Pt 02	FSAR 05	05.02.04.03.02	Administrative change. Identified in processing for Rev. 1.	Correct spelling error from QB #1227 - "with" was misspelled: In 5.2.4.3.2, revise last sentence of the paragraph to read "Qualification to ASME Section XI, Appendix VIII, is in compliance with the provisions of 10 CFR 50.55a."
1229			STD	Pt 02	FSAR 05	05.02.07	RAI LTR 001 response to 05.03.02-01 item 2	COLA Part 2, FSAR Chapter 5, Subsection 5.2.7, will be revised To read: "201. EPRI, "Pressurized Water Reactor Primary Water Chemistry Guidelines." EPRI TR-1002884, Revision 5, October 2003."
817			STD	Pt 02	FSAR 05	05.03.02.06	RAI LTR 002 S01 response to 05.03.01-01 (a)	[[TBD]] COLA Part 2, FSAR, Chapter 5, Subsection 5.3.2.6, will be revised following NRC review of Westinghouse specification that documents conformance with ASTM E-185.
819			STD	Pt 02	FSAR 05	05.03.02.06	DUPLICATE INFO - RAI LTR 002 S01 response to 05.03.01-01(a)	[[TBD]] COLA Part 2, FSAR, Chapter 5, Subsection 5.3.2.6, will be revised following NRC review of Westinghouse specification that documents conformance with ASTM E-185.
1476	AP-STD-0281	3	STD	Pt 02	FSAR 05	05.03.06.02	Consistency	Revise text to read "This COL Item is addressed in Subsections 5.3.2.6 and 5.3.2.6.3."
98	AP-STD-0040	1	STD	Pt 02	FSAR 05	05.03.06.04.01	Editorial - correction of mis-spelled word	In the first line of the partial paragraph on the page, correct the spelling of the word, "fluencies" to "fluence."
99	AP-STD-0041	1	STD	Pt 02	FSAR 05	05.04.02.05	Editorial - to clarify which program is being referenced to Section XI	In the next-to-last line of the first full paragraph, last sentence, change "The Program is" to "The Programs are"
1020	AP-STD-0180	2	STD	Pt 02	FSAR 05	05.04.02.05	Incorrect spelling	Change "inTechnical" to "in Technical"
143	AP-STD-0085	1	STD	Pt 02	FSAR 06	06.01	Editorial - consistency with other FSAR Chapters	At top of page, add the Chapter and title - CHAPTER 6 ENGINEERED SAFETY FEATURES



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
303			STD	Pt 02	FSAR 06	06.01.02.01.06	RAI LTR 001 response to RAI 06.01.02-01	COLA Part 2, FSAR Chapter 6. Subsection 6.1.2.1.6. will be revised to include additional information about the protective coatings program.
100	AP-STD-0042a	1	STD	Pt 02	FSAR 06	06.02.05.01	Changed to reflect NRC approval of document	Correct the reference to AP-TR-NS01 to add -A and change Rev. 1 to Rev. 2. Also, on Page 6.2-3, add the word "Description" after the word "Program" in the title.
1239	AP-STD-0042b	1	STD	Pt 02	FSAR 06	06.02.05.02.02	Changed to reflect NRC approval of document	Correct the reference to AP-TR-NS01 to add -A and change Rev. 1 to Rev. 2. Also, on Page 6.2-3, add the word "Description" after the word "Program" in the title.
144	AP-STD-0086	1	STD	Pt 02	FSAR 06	06.03.08.01	Editorial - word choice	Fifth bullet under Containment Entry, change "that" to "which"
166	AP-STD-0111	1	STD	Pt 02	FSAR 06	06.03.08.02	SUPERSEDED by Qb 1632 - DCD conforming changes - refer to TVA letter dated January 14, 2008	Revise Subsection 6.3.8 to add a new section 6.3.8.2 in accordance with Enclosure 2 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchardt)
730			STD	Pt 02	FSAR 06	06.03.08.02	SUPERSEDED by Qb 1632 - DUPLICATE INFO - RAI LTR 030 response to RAI 06.02.02-01 item 2	2. COLA Part 2, FSAR Chapter 6, Section 6.3.8 will be revised to add new Subsection 6.3.8.2 (with an LMA of STD COL 6.3-2) to read: 6.3.8.2 Verification of Water Sources for Long-Term Recirculation Cooling Following a LOCA Insert the following information between the first and second paragraphs of DCD Subsection 6.3.8.2. An assessment of the acceptability of the screen performance will be provided by performing testing and analysis of the screens. Downstream effects will be assessed to confirm the coolability of the core. The testing, analysis, and assessments will be completed prior to fuel load.
1632			STD	Pt 02	FSAR 06	06.03.08.02	WEC DCD Rev 17 conforming change	Remove new Subsection 6.3.8.2 added by Enclosure 2 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchardt), by AP-STD-0111, and by response to RAI LTR-030. Net result is no change from Rev 0.
145	AP-STD-0087	1	STD	Pt 02	FSAR 06	06.04.04.01	Editorial - consistency in citation	Second sentence, add the word, "unit" after "AP1000"
448			BLN	Pt 02	FSAR 06	06.04.04.02	RAI LTR 032 response to RAI 06.04-02	COLA Part 2, FSAR Chapter 6, Section 6.4.4.2 (5th through 8th paragraphs) will be revised to update the toxic chemical (chlorine) evaluation discussion.
450			BLN	Pt 02	FSAR 06	06.04.04.02	DUPLICATE INFO - RAI LTR 032 response to RAI 06.04-04	COLA Part 2, FSAR Chapter 6, Section 6.4.4.2 (8th paragraph) will be revised as shown in response to question 06.04-02.
449			BLN	Pt 02	FSAR 06	06.04.T / T6.4-201	RAI LTR 032 response to RAI 06.04-03	COLA Part 2, FSAR Chapter 6, Table 6.4-201 will be revised to update the toxic chemical (chlorine) evaluation information.
452			BLN	Pt 02	FSAR 06	06.04.T / T6.4-201	DUPLICATE INFO - RAI LTR 032 response to RAI 06.04-05	COLA Part 2, FSAR, Chapter 6, Table 6.4-201 will be revised as shown in the response to question 06.04-03.
980	AP-STD-0140	2	STD	Pt 02	FSAR 06	06.06.03.03	Add the regulatory reference to 10 CFR 50.55a(a)(3) to be consistent with Subsection 5.2.4.8 on relief requests.	Modify the second sentence of this section to read, "Should relief requests be required, they will be developed through the regulatory process and submitted to the NRC for approval in accordance with 10 CFR 50.55a(a)(3) or 50.55a(g)(5)."
1011	AP-STD-0171	2	STD	Pt 02	FSAR 06	06.06.04	The LMA was erroneously labeled as supplemental information when in fact	The LMA "STD SUP 6.6-1" should be "STD COL 6.6-1."

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							it is to respond to an information item.	
1288			BLN	Pt 02	FSAR 07	07.05	RAI LTR 089 response to RAI 07.05-01 item 1	1- COLA Part 2, FSAR, Chapter 7, Section 7.5 will be revised To read: This section of the referenced DCD is incorporated by reference with the following departures and/or supplements. BLN SUP 7.5-1 FSAR Table 7.5-201 supplements DCD Table 7.5-1 and provides variable data shown in the DCD Table as "site specific".
1289			BLN	Pt 02	FSAR 07	07.05.T / T7.5-201	RAI LTR 089 response to RAI 07.05-01 item 2	2- COLA Part 2, FSAR Chapter 7, will be revised to add Table 7.5-201.
101	AP-STD-0043	1	STD	Pt 02	FSAR 08	08.01.T / T8.1-201	Editorial - correction of RG title	Correct the title of RG 1.129 to "...Replacement of Vented Lead-Acid Storage Batteries"
1240	AP-STD-0007b	0	STD	Pt 02	FSAR 08	08.01.T / T8.1-201	Editorial - consistency in hyphenation	Remove hypyhens where used in "IEEE 450" Remove hypyhens where used in "IEEE 665"
643			BLN	Pt 02	FSAR 08	08.02.01.02	RAI LTR 026 response to RAI 08.02-05	COLA Part 2, FSAR, Chapter 8, Subsection 8.2.1.2 will be revised from: The secondary windings (500 kV side) of the GSU are connected in wye configuration and connected to the 500 kV switchyard. To read: The high side (500 kV) winding of the GSUs is connected in wye configuration to the 500 kV switchyard.
239	AP-STD-0008	0	STD	Pt 02	FSAR 08	08.02.01.04	SUPERSEDED by Qb 644 - Editorial - grammatical correction	In the third line of the paragraph beginning "For performance of maintenance...", change "practice" to "practices"
644			BLN	Pt 02	FSAR 08	08.02.01.04	RAI LTR 026 response to RAI 08.02-08	COLA Part 2, FSAR, Chapter 8, Subsection 8.2.1.4 will be revised from: For performance of maintenance, testing, calibration and inspection, PSO follows its own field test manuals, vendor manuals and drawings, industry's maintenance practices and observes Federal Energy Regulatory Commission (FERC) requirements and the following NERC Reliability Standards. • PRC-005-1 Transmission and Generation Protection System Maintenance and Testing. • PRC-008-0 Under Frequency Load Shedding Equipment Maintenance Program. • PRC-011-0 Under Voltage Load Shedding System Maintenance and Testing, and Field Test Procedure. To read: For performance of maintenance, testing, calibration and inspection, PSO follows its own field test manuals, vendor manuals and drawings, and industry maintenance practices to comply with applicable NERC Reliability Standards.
642			BLN	Pt 02	FSAR 08	08.02.02	RAI LTR 026 response to RAI 08.02-04	COLA Part 2, FSAR, Chapter 8, Subsection 8.2.2 will be revised from: • A summer off-peak base case is used for stability studies. To read: • A summer peak base case is used for stability studies.
1263	BLN-0016	2	BLN	Pt 02	FSAR 08	08.02F / F8.2-202	Editorial - Correcting the appearance of the line drawings	Revise Figure to remove gaps between the lines for output of the station and the switchyard.
2112		2	BLN	Pt 02	FSAR 08	08.02F / F8.2-202	WEC DCD Rev 17 conforming change - DUPLICATE of Qb 2276.	Revise Figure to reflect new transformer layout per revised DCD Figure 1.2-2.
2276			BLN	Pt.02	FSAR 08	08.02F / F8.2-202	RAI LTR 135 response to 08.02-09, item 1	1- COLA Part 2, FSAR Chapter 8, Figure 8.2-202 and Chapter 1, Figure 1.1-202 will be revised to orient main stepup transformers and reserve auxiliary transformers

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								per DCD Revision 16 on Unit 3. This change will be BLN DEP 8.2-1 to DCD Revision 17. Main stepup transformers and reserve auxiliary transformers on Unit 4 will be oriented per DCD Revision 17. See Attachment 08.02-009A of this response showing the revised Figures that will be incorporated in future COLA revision.
237	AP-STD-0006	0	STD	Pt 02	FSAR 08	08.03.02.01.03 and .04	Editorial - consistency in capitalization	Make capitalization of "non-Class 1E" consistent
238	AP-STD-0007a	0	STD	Pt 02	FSAR 08	08.03.02.01.04	Editorial - consistency in hyphenation	Remove hyphens where used in "IEEE 450" Remove hyphens where used in "IEEE 665"
2089			STD	Pt 02	FSAR 09	09.00	Editorial - Maintain format consistency throughout the FSAR	Include Chapter Heading/Title on page 1 of Chapter
240	AP-STD-0009a	0	STD	Pt 02	FSAR 09	09.01.04.04	Editorial - consistency in capitalization	Replace "subsection" with "Subsection"
688			STD	Pt 02	FSAR 09	09.01.05	RAI LTR 061 response to RAI 09.01.05-01 item 1	1- COLA Part 2, FSAR Chapter 9, Section 9.1 will be revised to add an FSAR supplement to the end of DCD Subsection 9.1.5.
2158			STD	Pt 02	FSAR 09	09.01.05	Addition to RAI LTR 061 response to RAI 09.01.05-01 item 1	Include LMA of STD SUP 9.1-2 with change made by Qb 688
1243	AP-STD-0009b	0	STD	Pt 02	FSAR 09	09.01.05.03	Editorial - consistency in capitalization	Replace "subsection" with "Subsection"
689			STD	Pt 02	FSAR 09	09.01.05.04	RAI LTR 061 response to RAI 09.01.05-02	COLA Part 2, FSAR. Chapter 9, add the following at the end of Subsection 9.1.5.4: The overhead heavy load handling equipment inservice inspection procedures, as a minimum, address the following: <ul style="list-style-type: none"> <li>• Identification of components to be examined</li> <li>• Examination techniques</li> <li>• Inspection Intervals</li> <li>• Examination categories and requirements</li> <li>• Evaluation of examination results</li> </ul>
1242	AP-STD-0009c	0	STD	Pt 02	FSAR 09	09.01.05.04	Editorial - consistency in capitalization	Replace "subsection" with "Subsection"
914			STD	Pt 02	FSAR 09	09.01.05.05	RAI LTR 061 response to RAI 09.01.05-01 item 2	2. COLA Part 2, FSAR. Chapter 9 will be revised to add new Subsection 9.1.5.5.
2159			STD	Pt 02	FSAR 09	09.01.05.05	Addition to RAI LTR 061 response to RAI 09.01.05-01 item 2	Include LMA of STD SUP 9.1-3 with change made by Qb 914
1797			STD	Pt 02	FSAR 09	09.01.06	WEC DCD Rev 17 conforming change	Add new item under 9.1.6 with LMA of STD COL 9.1-7 "A spent fuel rack Metamic coupon monitoring program is to be implemented when the plant is placed into commercial operation. This program includes tests to monitor bubbling, blistering, cracking, or flaking; and a test to monitor for corrosion, such as weight loss measurements and or visual examination."
1829			BLN	Pt 02	FSAR 09	09.02.01.02.02	RAI LTR 124 response to RAI 09.02.05-01	COLA Part 2, FSAR, Chapter 9, will be revised to add the following paragraph after Subsection 9.2.1.2.1. This new text will be included with a LMA of BLN SUP 9.2-3. 9.2.1.2.2 Component Description Add the following paragraph at the end of DCD Subsection 9.2.1.2.2, Component Description, Cooling Tower subsection. The SWS Cooling Tower is evaluated for potential impacts from interference and air restriction effects due to yard equipment layout and tower operation in an adjacent

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								unit. Based on unit spacing, yard equipment layout, and the margins inherent in the performance requirements and design conditions of the towers, no adverse impacts were determined.
102	AP-STD-0044	1	STD	Pt 02	FSAR 09	09.02.08.01.02	Remove "DCD" for consistency with DCD text (this is a full-text incorporation of DCD text, and this acronym is not found in the DCD text)	In the first paragraph, delete "DCD" in front of "Table 9.2.8-1"
1060	AP-STD-0220	2	STD	Pt 02	FSAR 09	09.02.08.02.01	consistency with the DCD.	In the DCD LMA section, first paragraph, change "controller" to "controlled" in the fifth sentence. Change the semicolon to a comma after "isolated" in the sixth sentence of the first paragraph. In the second paragraph, capitalize "it" at the beginning of the fourth sentence.
2155			STD	Pt 02	FSAR 09	09.02.08.02.02	WEC DCD Rev 17 conforming change	In the DCD LMA section, last paragraph, change last sentence from "Nonmetallic piping may be used in accordance with ASME B31.1 and as demonstrated by evaluation." To read: "Nonmetallic piping may also be used."
103	AP-STD-0045	1	STD	Pt 02	FSAR 09	09.02.08.02.03	Remove "DCD" for consistency with DCD text (this is a full-text incorporation of DCD text, and this acronym is not found in the DCD text)	In the first paragraph under "Normal Operation," delete "DCD" in front of "Table 9.2.8-1"
104	AP-STD-0046	1	STD	Pt 02	FSAR 09	09.02.08.04	Remove "DCD" for consistency with DCD text (this is a full-text incorporation of DCD text, and this acronym is not found in the DCD text)	Delete "DCD" in front of "Chapter 14"
1021	AP-STD-0181	2	STD	Pt 02	FSAR 09	09.02.08.05	Incorrect spelling	Change "vale" to "valve"
2156			STD	Pt 02	FSAR 09	09.02.11.01.02	WEC DCD Rev 17 conforming change (the secondary fire water storage tank flows directly to the SWS basin now, and does not utilize RWS piping.) Refer to DCD Rev 17, figures 9.2.1-1 and 9.5.1-1 (sheet 1).	Revise FSAR Section 9.2.11.1.2 to delete 6th bullet from the RWS system function list - this bullet currently reads "• Makeup to the SWS from the secondary fire water tank clearwell."
2111			STD	Pt 02	FSAR 09	09.02F / F9.2-201 & 202	WEC DCD Rev 17 conforming change	Figures 9.2-201 and 9.2-202 updated to reflect changes to DCD Rev 17.
985	AP-STD-0145	2	STD	Pt 02	FSAR 09	09.03.07	Second paragraph - "ANSI/ISA-7.3-1981" should be "ANSI/ISA-	Change "ANSI/ISA-7.3-1981" to "ANSI/ISA-57.3-1981".

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							S7.3-1981".	
986	AP-STD-0146	2	STD	Pt 02	FSAR 09	09.04.01.04	First paragraph - "ASME 509-1989" should be "ASME N509-1989"	Change "ASME 509-1989" to "ASME N509-1989"
1241	AP-STD-0009d	0	STD	Pt 02	FSAR 09	09.04.07.04	Editorial - consistency in capitalization	Replace "subsection" with "Subsection"
241	AP-STD-0010	0	STD	Pt 02	FSAR 09	09.04.12	Editorial - correct punctuation	Delete comma after "9.4.1.4"
717			BLN	Pt 02	FSAR 09	09.05.01.02.01.03	RAI LTR 055 response to RAI 09.05.01-08	COLA Part 2, FSAR, Chapter 9, Subsection 9.5.1.2.1.3 will be revised to add the following as the second paragraph: BLN SUP 9.5-2 The fire water tanks are sampled if river water is used as makeup to the fire water tanks. Appropriate actions such as chemical treatment or system flushing are taken to prevent or control bio-fouling and microbiologically induced corrosion of the fire water system.
2230			BLN	Pt 02	FSAR 09	09.05.01.02.01.03	Editorial correction of grammar	Pluralize 'paragraph' to accomodate RAI response 09.05.01-08. Revise: 'Add the following paragraph at the end of DCD Subsection 9.5.1.2.1.3.' To read: 'Add the following paragraphs at the end of DCD Subsection 9.5.1.2.1.3.'
242	AP-STD-0011a	0	STD	Pt 02	FSAR 09	09.05.01.08.01.01	Subsection addresses both COL items	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
641			STD	Pt 02	FSAR 09	09.05.01.08.01.02	RAI LTR 020 response to RAI 09.05.01-05	COLA Part 2, FSAR Chapter 9, Subsection 9.5.1.8.1.2, n. will be revised from: n. Establishing a fire prevention surveillance plan utilizing the guidance of NFPA 804 (DCD Reference 9.5.5.2), and training plant personnel on that plan. To read: n. Establishing a fire prevention surveillance plan and training plant personnel on that plan.
709			BLN	Pt 02	FSAR 09	09.05.01.08.02.02	RAI LTR 046 response to RAI 09.05.01-13	COLA Part 2, FSAR Chapter 9, Subsection 9.5.1.8.2.2 second paragraph will be revised To read: The fire brigade leader and at least two brigade members per shift have sufficient training and knowledge of plant safety-related systems to understand the effects of fire and fire suppressants on safe shutdown capability. The brigade leader is competent to assess the potential safety consequences of a fire and advise control room personnel. Such competence by the brigade leader may be evidenced by possession of an operator's license or equivalent knowledge of plant systems.
856			STD	Pt 02	FSAR 09	09.05.01.08.02.02	RAI LTR 091 response to RAI 09.05.01-15 item 1	1. COLA Part 2, FSAR Chapter 9, Subsection 9.5.1.8.2.2, 4th paragraph (second through fourth sentences) will be revised To read: Self-contained breathing apparatus (SCBA) approved by NIOSH, using full face positive pressure masks, and providing an operating life of at least 30 minutes, are provided for selected fire brigade, emergency repair and control room personnel. At least ten masks are provided for fire brigade personnel. At least two extra air bottles, each with at least 30 minutes of operating life, are located onsite for each SCBA.
959			STD	Pt 02	FSAR 09	09.05.01.08.02.02.01 (d)	RAI LTR 091 response to RAI 09.05.01-15 item 2	2. COLA Part 2, FSAR Chapter 9, Section 9.5.1.8.2.2.1(d), will be revised To read: d. The proper use of on-site fire fighting equipment and the correct method of fighting various types of fires including at least the following: - fires involving radioactive materials - fires in energized electrical equipment - fires in cables and cable trays

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								<ul style="list-style-type: none"> <li>- fires involving hydrogen</li> <li>- fires involving flammable and combustible liquids or hazardous process chemicals</li> <li>- fires resulting from construction or modifications (welding)</li> <li>- fires involving record files</li> </ul>
960			STD	Pt 02	FSAR 09	09.05.01.08.02.02.01 (j)	RAI LTR 091 response to RAI 09.05.01-15 item 3	<p>3. COLA Part 2, FSAR Chapter 9, Section 9.5.1.8.2.2.1(j), will be revised from:</p> <p>j. Review of fire fighting procedures and procedure changes.</p> <p>To read:</p> <p>j. Detailed review of fire fighting strategies, procedures and procedure changes.</p>
961			STD	Pt 02	FSAR 09	09.05.01.08.02.02.03	RAI LTR 091 response to RAI 09.05.01-15 item 4	<p>4. COLA Part 2, FSAR Chapter 9, Section 9.5.1.8.2.2.3, first sentence, will be revised from:</p> <p>Practice sessions are held for fire brigade members on the proper method of fighting various types of fires which might occur in the plant.</p> <p>To read:</p> <p>Practice sessions are held for each fire brigade and for each fire brigade member on the proper method of fighting various types of fires which might occur in the plant.</p>
105	AP-STD-0047	1	STD	Pt 02	FSAR 09	09.05.01.08.04	Editorial – correction of mis-spelled word	In the last line on the page, under subparagraph 1, correct the spelling of the word, "tarpaulins."
857			STD	Pt 02	FSAR 09	09.05.01.08.04	RAI LTR 058 response to RAI 09.05.01-10	<p>COLA Part 2, FSAR. Chapter 9, Subsection 9.5.1.8.4.a will be revised from:</p> <p>a. Prohibit the storage of combustible materials (including unused ion exchange resins) in areas that contain or expose safety-related equipment, or establish designated storage areas with appropriate fire protection.</p> <p>To read:</p> <p>a. Prohibit the storage of combustible materials (including unused ion exchange resins) in areas that contain or expose safety-related equipment.</p>
1604	AP-STD-0011b	0	STD	Pt 02	FSAR 09	09.05.01.09.03	Subsection addresses both COL items	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
106	AP-STD-0048a	1	STD	Pt 02	FSAR 09	09.05.02.05.01	Editorial – for consistency with the title of the referenced DCD subsection	Remove hyphen between "Off" and "site"
1246	AP-STD-0048b	1	STD	Pt 02	FSAR 09	09.05.02.05.02	Editorial – for consistency with the title of the referenced DCD subsection	Remove hyphen between "Off" and "site"
912			STD	Pt 02	FSAR 09	09.05.04.05.02	RAI LTR 092 response to RAI 09.05.04-01(b)	<p>COLA Part 2, FSAR. Chapter 9, Section 9.5.4.5.2 will be revised from:</p> <p>High fuel oil quality is provided...</p> <p>...may be performed after the addition of new oil.</p> <p>To read:</p> <p>The diesel fuel oil testing program requires testing both new fuel oil and stored fuel oil. High fuel oil quality is provided by specifying the use of ASTM Grade 2D fuel oil with a sulfur content as specified by the engine manufacturer.</p> <p>A fuel sample is analyzed prior to addition of ASTM Grade 2D fuel oil to the storage tanks. The sample moisture content and particulate or color is verified per ASTM 4176. In addition, kinetic viscosity is tested to be within the limits specified in Table 1 of ASTM D975. The remaining critical parameters per Table 1 of ASTM D975 are verified compliant within 7 days.</p> <p>Fuel oil quality is verified by sample every 92 days to meet ASTM Grade 2D fuel oil criteria. The addition of fuel stabilizers and other conditioners is based on sample results.</p>

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								The fuel oil storage tanks are inspected on a monthly basis for the presence of water. Any accumulated water is to be removed.
711			STD	Pt 02	FSAR 09	09.05.05	SUPERSEDED by Qb 2051 - RAI LTR 040 response to RAI 09:05.01-06 item 2	COLA Part 2, FSAR Chapter 9, Subsection 9.5.5 will be revised to add the following references: 211. American Society of Mechanical Engineers, "Standard Test Methods for Fire Tests of Building Construction and Materials," ASTM E119-08a. 212. National Fire Protection Association, "Standard Methods of Tests of Fire Endurance of Building Construction and Materials," NFPA 251, 2006.
2052			STD	Pt 02	FSAR 09	09.05.05	Move location of Reference to match location of use.	COLA Part 2, FSAR Chapter 9, Subsection 9A.4 will be revised to move the existing Reference 201 (to NFPA 804) to become new Reference 211 in Subsection 9.5.5.
984	AP-STD-0144	2	STD	Pt 02	FSAR 09	09.05.T / T9.5-201 Sh2 & 4	References to Subsections in the remarks column are not consistent. FSAR or DCD is provided in some cases while neither is provided in others. Revise consistent with the convention of the default section being referenced is the FSAR. When the section is a DCD section, the reference should be preceded by "DCD."	Delete "FSAR" in Remarks for items 5 (2 places) and 7 and re-arrange item 33 to read "Comply. Subsection 9.5.1.8.2.2 and DCD Subsection 6.4.3.1 address these requirements."
254	AP-STD-0028	0	STD	Pt 02	FSAR 09	09.05.T / T9.5-201 Sh3 & 4	Editorial - consistency with rest of table	Add "Comply" to #14 and #33
712			STD	Pt 02	FSAR 09	09.05.T / T9.5-201 Sh6	RAI LTR 040 response to RAI 09.05.01-07	COLA Part 2, FSAR Chapter 9, Table 9.5-201, Item 111 will be revised To read: 111. A portable radio communications system should be provided for use by the fire brigade and other operations personnel required to achieve safe plant shutdown. C.5.g(4) C Comply. Subsection 9.5.1.8.2.a.3.v, 9.5.1.8.2.2, and DCD Subsection 9.5.2 and 9.5.2.2.1 addresses this requirement.
2025			STD	Pt 02	FSAR 09	09.05.T / T9.5-201 Sh6	RAI LTR 040 response to RAI 09.05.01-07	Note-This change corrects Letter 40 change. COLA Part 2, FSAR Chapter 9, Table 9.5-201, Item 111 will be revised change 9.5.1.8.2.a.3.v to 9.5.1.8.1.2.a.3.v, Subsection to Subsections (2 places) and addresses to address.
2054			STD	Pt 02	FSAR 09	09.05.T / T9.5-202	Add reference to section where used in the text/table.	COLA Part 2, FSAR Chapter 9, Subsection 9.5, Table 9.5-202 will be revised to add (Reference 211) for NFPA 804.
710			STD	Pt 02	FSAR 09	09A.03.03	RAI LTR 040 response to RAI 09.05.01-06 item 1 - references revised by Qb 2053	COLA Part 2, FSAR Chapter 9, Appendix 9A, Subsection 9A.3.3, will be revised To read: STD COL 9.5-3 Stairwells in miscellaneous buildings located in the yard serving as escape routes or access routes for firefighting are enclosed in masonry or concrete towers with a minimum fire resistance rating of 2 hours and self-closing Class B fire doors. The two-hour fire-resistance rating for the masonry or concrete material is based on testing conducted in accordance with ASTM E119 (Reference 211) and NFPA 251 (Reference 212).
2053			STD	Pt 02	FSAR 09	09A.03.03	RAI LTR 040 response to RAI 09.05.01-06 item 1 correction of references	COLA Part 2, FSAR Chapter 9, Appendix 9A, Subsection 9A.3.3, is revised to correct the references from "ASTM E119 (Reference 211) and NFPA 251 (Reference 212)" to read "ASTM E119 (Reference 201) and NFPA 251 (Reference 202)."
2051			STD	Pt 02	FSAR 09	09A.04	RAI LTR 040 response to	COLA Part 2, FSAR Chapter 9, Subsection 9A.4 will be revised to add the following

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							RAI 09.05.01-06 item 2 Corrected location of Reference addition.	references: 201. American Society of Mechanical Engineers, "Standard Test Methods for Fire Tests of Building Construction and Materials," ASTM E119-08a. 202. National Fire Protection Association, "Standard Methods of Tests of Fire Endurance of Building Construction and Materials," NFPA 251, 2006.
1808			BLN	Pt 02	FSAR 09	09AF / F9A-201	NRC guidance - any page marked "withhold" will be withheld.	Revise each page with a "withhold" header to read "withheld" per NRC request. There is no need to withhold the page since the information has been withheld by removing it from the page and putting it in Part 9. No change bars are necessary for this change.
243	AP-STD-0014	0	STD	Pt 02	FSAR 10	10.01.03	Editorial - consistent use of introductory statements	Add introductory statement
2202			STD	Pt 02	FSAR 10	10.01.03	Editorial consistency change	Add Section Header 10.1.3 'COMBINED LICENSE INFORMATION ON EROSION-CORROSION MONITORING'
146	AP-STD-0088	1	STD	Pt 02	FSAR 10	10.01.03.01	Editorial - consistency in citation	In the last line, capitalize the word "Letter" after "Generic"
768			STD	Pt 02	FSAR 10	10.01.03.01	RAI LTR 018 response to RAI 10.03.06-02	COLA Part 2, FSAR Subsection 10.1.3.1, last sentence of the paragraph will be revised from: In addition, the FAC monitoring program considers the information of Generic Letter 89-08 and industry guidelines. To read: In addition, the FAC monitoring program considers the information of Generic Letter 89-08, EPRI NSAC-202L-R3, and industry operating experience. The program requires a grid layout for obtaining consistent pipe thickness measurements when using Ultrasonic Test Techniques. The FAC program obtains actual thickness measurements for highly susceptible FAC locations for new lines as defined in EPRI NSAC-202L-R3. At a minimum, a Pass 1 analysis is used for low and highly susceptible FAC locations and a Pass 2 analysis is used for highly susceptible FAC locations when the Pass 1 analysis results warrant. To determine wear of piping and components where operating conditions are inconsistent or unknown, the guidance provided in EPRI NSAC-202L is used to determine wear rates.
107	AP-STD-0049	1	STD	Pt 02	FSAR 10	10.02.02	Editorial - consistency in citation	In the second introductory statement, add "DCD" in front of "Subsection 10.2.2" to identify source
640			BLN	Pt 02	FSAR 10	10.02.03.06	RAI LTR 039 response to RAI 10.02.03-01(b)	COLA Part 2, FSAR, Chapter 10, Section 10.2.3.6, will be revised to delete STD SUP 10.2-02 as follows: Delete: STD SUP 10.2-02 Add the following at the end of the third bullet of DCD Subsection 10.2.3.6. The main steam stop and control valves are exercised at a frequency recommended by the turbine vendor or valve manufacturer."
108	AP-STD-0050	1	STD	Pt 02	FSAR 10	10.02.06	SUPERSEDED by Qb 639 - Editorial - word choice (information is not being fabricated)	In the next-to-last line of the paragraph, remove the word "information" after the word "turbine"
639			STD	Pt 02	FSAR 10	10.02.06	RAI LTR 039 response to RAI 10.02.03-01(a)	COLA Part 2, FSAR, Chapter 10, Subsection 10.2.6 will be revised from: Plant-specific turbine rotor test data and calculated toughness curves that support the material property assumptions in the turbine rotor analysis after the fabrication of the turbine information will be available for review prior to fuel load. To read:



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								Plant-specific turbine rotor test data and calculated toughness curves that support the material property assumptions in the turbine rotor analysis will be available for review after fabrication of the turbine and prior to fuel load.
706			BLN	Pt 02	FSAR 10	10.03.02.02.01	RAI LTR 037 response to RAI 10.03-01	COLA Part 2, FSAR, Chapter 10, Subsection 10.3.2.2.1 will be revised to read: STD SUP 10.3-1 Operations and maintenance procedures include precautions, when appropriate, to minimize the potential for steam and water hammer, including: <ul style="list-style-type: none"> <li>- Prevention of rapid valve motion</li> <li>- Process for avoiding introduction of voids into water-filled lines and components</li> <li>- Proper filling and venting of water-filled lines and components</li> <li>- Process for avoiding introduction of steam or heated water that can flash into water-filled lines and components</li> <li>- Cautions for introduction of water into steam-filled lines or components</li> <li>- Proper warmup of steam-filled lines</li> <li>- Proper drainage of steam-filled lines</li> <li>- The effects of valve alignments on line conditions</li> </ul>
109	AP-STD-0051	1	STD	Pt 02	FSAR 10	10.04.05.02.01	Editorial - for consistency with DCD (this is full-text incorporation of DCD text)	Replace "CWS" with "circulating water system"
1065	AP-STD-0225	2	STD	Pt 02	FSAR 10	10.04.05.02.01	The hyperlink destination is FSAR Section 3.2. The correct destination is DCD Section 3.2. Since this is DCD text, and the DCD does not contain internal linking, the hyperlink is being removed.	Remove the hyperlink to Section 3.2
1810			STD	Pt 02	FSAR 10	10.04.05.02.01	WEC DCD Rev 17 conforming change	Revise from "Makeup water to the CWS is provided by the raw water system (RWS). In addition, water chemistry is controlled by the turbine island chemical feed system (CFS)." to read "Makeup water to the CWS is provided by the raw water system (RWS). In addition, water chemistry is controlled by a local chemical feed system."
739			BLN	Pt 02	FSAR 10	10.04.05.02.02	RAI LTR 049 response to RAI 09.02.01-01	COLA Part 2, FSAR Chapter 10, subsection 10.4.5.2.2 second paragraph next to last sentence under Cooling Tower will be revised from: <p>"Because of the remote location and the height of the cooling towers the plumes will dissipate before they will affect any plant ventilation intake or plant switchyard."</p> To read: <p>"Because of the remote location, the cooling tower height, and the buoyant rise of the plumes, the plumes will dissipate before they interfere with the SWS cooling towers intake, any plant ventilation intake, or the plant switchyard."</p>
1811			STD	Pt 02	FSAR 10	10.04.05.02.02	WEC DCD Rev 17 conforming change	Under Circulating Water Chemical Injection, revise first sentence from "Circulating water chemistry is maintained by the turbine island chemical feed system." to read "Circulating water chemistry is maintained by a local chemical feed system skid at teh CWS cooling tower."
1812			BLN	Pt 02	FSAR 10	10.04.05.02.02	WEC DCD Rev 17 conforming change	Under Circulating Water Chemical Injection, revise second sentence from "Turbine island chemical equipment injects the required chemicals into the circulating water downstream of the CWS pumps." to read "Circulating water system chemical feed equipment injects the required chemicals into the circulating water downstream at the CWS cooling tower basin area."
1813			STD	Pt 02	FSAR 10	10.04.05.02.02	WEC DCD Rev 17 conforming change	Under Circulating Water Chemical Injection, revise sentence near the end from "Addition of biocide and water treatment chemicals is performed by turbine island

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								chemical feed injection metering pumps and is adjusted as required." to read "Addition of biocide and water treatment chemicals is performed by a local chemical feed injection metering pumps and is adjusted as required."
1814			STD	Pt 02	FSAR 10	10.04.05.02.02	WEC DCD Rev 17 conforming change per DCD 10.4.12.1	Added BLN COL 10.4-1 information to address "the design, routing, and disposition requirements associated with the main condenser waterbox drains."
2203			STD	Pt 02	FSAR 10	10.04.05.02.02	WEC DCD Rev 17 conforming change	Subsection 10.4.5.2.2 under Cooling Tower Makeup and Blowdown, 2nd paragraph, last sentence revise from: "This control scheme, along with the CFS provides chemistry control in the circulating water in order to maintain a noncorrosive, nonscale-forming condition and limit biological growth in CWS components." To read: This control scheme, along with the a local chemical feed system provides chemistry control in the circulating water in order to maintain a noncorrosive, nonscale-forming condition and limit biological growth in CWS components.
1066	AP-STD-0226	2	STD	Pt 02	FSAR 10	10.04.05.05	The hyperlink destination is FSAR Chapter 7. The correct destination is DCD Chapter 7. Since this is DCD text, and the DCD does not contain internal linking, the hyperlink is being removed.	Remove the hyperlink to Chapter 7 in the last paragraph.
708			BLN	Pt 02	FSAR 10	10.04.07.02.01	RAI LTR 029 response to RAI 10.04.07-01	COLA Part 2, FSAR. Chapter 10, Subsection 10.4.7.2.1 will be revised To read: STD SUP 10.4-1 Operations and maintenance procedures include precautions, when appropriate, to minimize the potential for steam and water hammer, including: - Prevention of rapid valve motion - Process for avoiding introduction of voids into water-filled lines and components - Proper filling and venting of water-filled lines and components - Process for avoiding introduction of steam or heated water that can flash into water-filled lines and components - Cautions for introduction of water into steam-filled lines or components - Proper warmup of steam-filled lines - Proper drainage of steam-filled lines - The effects of valve alignments on line conditions
1286			STD	Pt 02	FSAR 10	10.04.07.02.01	RAI LTR 113 response to RAI 10.04.06-03 item 1	1. COLA Part 2, FSAR, Chapter 10, Section 10.4.7.2.1 will be revised to add the following paragraph after the first paragraph: STD SUP 10.4-2 Oxygen scavenging and ammoniating agents are selected and utilized for plant secondary water chemistry optimization following the guidance of NEI-97-06, "Steam Generator Program Guidelines" (Ref 201). The EPR1 Pressurized Water Reactor Secondary Water Chemistry Guidelines are followed as described in NEI 97-06.
1287			STD	Pt 02	FSAR 10	10.04.13	RAI LTR 113 response to RAI 10.04.06-03 item 2	1. COLA Part 2, FSAR, Chapter 10, Section 10.4 will be revised to add Subsection 10.4.13 as follows:  10.4.13 REFERENCES 201. Nuclear Energy Institute, "Steam Generator Program Guidelines," NEI 97-06, Revision 2, May 2005.
707			BLN	Pt 02	FSAR 10	10.04.T / T10.4-202	RAI LTR 038 response to RAI 10.04.05-01	COLA Part 2, FSAR. Chapter 10, Table 10.4-202, will be revised to include the following additional line items under Circulating Water Pump and Natural Draft Cooling Tower as shown below: Circulating Water Pump

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								Quantity Three per unit Natural Draft Cooling Tower Quantity One per unit Heat transfer (Btu/hr) 7,628 x 106 Wind velocity design (mph) 110 Seismic design criteria per Uniform Building Code
670			STD	Pt 02	FSAR 11	11.02.01.02.05.02	RAI LTR 041 response to RAI 11.02-05	COLA Part 2, FSAR Chapter 11, Subsection 11.2.1.2.5.2, third and fourth paragraphs, will be revised from: Mobile or temporary equipment is designed in accordance with the codes and standards listed in Table 1 and Regulatory Position C.1.1.2 of Regulatory Guide 1.143. Mobile or temporary equipment has the following features: To read: Mobile and temporary equipment are designed in accordance with the applicable mobile and temporary radwaste treatment systems guidance provided in Regulatory Guide 1.143, including the codes and standards listed in Table 1 of the Regulatory Guide. Mobile and temporary equipment have the following features:
999	AP-STD-0159	2	STD	Pt 02	FSAR 11	11.02.01.02.05.02	Editorial	Change "an Operator" to "operations personnel" in 3rd bullet.
1467	AP-STD-0272	3	STD	Pt 02	FSAR 11	11.02.01.02.05.02	Consistency with the third sentence.	Revise second sentence to read "When confirmed through sampling that the radioactive waste contents do not exceed the A2 quantities for radionuclides specified in Appendix A to 10 CFR Part 71, the liquid effluent may be processed with mobile or temporary equipment in the Radwaste Building."
586			BLN	Pt 02	FSAR 11	11.02.03.05.01	RAI LTR 031 response to RAI 11.02-02 item 1	1. COLA Part 2, FSAR Chapter 11, Subsection 11.2.3.5.1 will be revised to add new paragraphs on dose after the last sentence.
460			STD	Pt 02	FSAR 11	11.02.03.05.02	RAI LTR 031 response to RAI 11.02-01 item 1	1. COLA Part 2, FSAR, Chapter 11, Subsection 11.2.3.5.2, will be revised to delete the last paragraph that currently reads (note, this change is expected to be STANDARD for the S-COLAs): This section adopts NEI 07-11 (Reference 201) which is currently under review by the NRC staff. The application of the methodology of NEI 07-11 satisfies the cost-benefit analysis requirements of 10 CFR Part 50, Appendix I, Section II.D. The augments provided in NEI 07-11 were reviewed and were found not to be cost beneficial due to the low BLN population doses.
2028			BLN	Pt 02	FSAR 11	11.02.03.05.02	Corrects editorial error.	COLA Part 2, FSAR Chapter 11, Subsection 11.2.3.5.2, fourth paragraph is changed to end with a period, rather than a comma.
821			STD	Pt 02	FSAR 11	11.02.03.05.03	RAI LTR 031 response to RAI 11.02-01 item 3	3. COLA Part 2, FSAR, Chapter 11, will be revised to add new Subsection 11.2.3.5.3, that is expected to be STANDARD for the S-COLAs.
1478	AP-STD-0283a	3	STD	Pt 02	FSAR 11	11.02.03.05.03	SUPERSEDED by final LTR-031 - Revise per generic and site-specific wording developed and addressed by responses to RAIs 420 (liquid) and 422 (gaseous)	Revise FSAR subsections 11.2.3.5.3 and 11.3.3.4.3 to address standard and site-specific cost-benefit analysis information following NRC rejection of NEI 07-11 for review.
822			BLN	Pt 02	FSAR 11	11.02.03.05.04	RAI LTR 031 response to RAI 11.02-01 item 4	4. COLA Part 2, FSAR, Chapter 11, will be revised to add new Subsection 11.2.3.5.4.
824			STD	Pt 02	FSAR 11	11.02.05.02	RAI LTR 031 response to RAI 11.02-01 item 6	6. COLA Part 2, FSAR, Chapter 11, Subsection 11.2.5.2, will be revised To read: STD COL 11.2-2 This COL Item is addressed in Subsection 11.2.3.5.3.

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								BLN COL 11.2-2 This COL Item is addressed in Subsections 11.2.3.3, 11.2.3.5, 11.2.3.5.1, 11.2.3.5.2, and 11.2.3.5.4.
110	AP-STD-0052	1	STD	Pt 02	FSAR 11	11.02.06 R201	SUPERSEDED by Qb 820 - Correct title of NEI 07-11 ("Generic Template Guidance for Cost-Benefit Analysis for Radwaste Systems for Light-Water-Cooled Nuclear Power Reactors")	For Reference 201, remove "FSAR" from title and change "Guidelines" to "Guidance"
820			STD	Pt 02	FSAR 11	11.02.06 R201	RAI LTR 031 response to RAI 11.02-01 item 2	2. COLA Part 2, FSAR, Chapter 11, Subsection 11.2.6, Reference 201, reference to NEI 07-11, will be deleted in its entirety (note, this change is expected to be STANDARD for the S-COLAs).
470			BLN	Pt 02	FSAR 11	11.02.T / T11.2-201	RAI LTR 031 response to RAI 11.02-03 item 1	1. COLA Part 2, FSAR Chapter 11, Tables 11.2-201 will be revised to add the following parameter at the end of the input parameter listing: Input Parameter Average Annual Condition Downstream Distance Used to Determine the Dilution Factor for Nearest Fish and Swimming Location (ft.). 300
2241			BLN	Pt 02	FSAR 11	11.02.T / T11.2-201	RAI LTR 031 response to RAI 11.02-03, item 1	Change column heading from 'Parameter' to 'Input Parameter'
827			BLN	Pt 02	FSAR 11	11.02.T / T11.2-202	RAI LTR 031 response to RAI 11.02-03 item 2	2. COLA Part 2, FSAR Chapter 11, Table 11.2-202 will be revised: Shoreline Usage (person-hrs./yr.) - from 292,027,269 to 22,814,630 Swimming Exposure (person-hrs./yr.) - from 292,027,269 to 22,814,630 Boating Exposure (person-hrs./yr.) - from 292,027,269 to 22,814,630
828			BLN	Pt 02	FSAR 11	11.02.T / T11.2-202	RAI LTR 031 response to RAI 11.02-03 item 3	3. COLA Part 2, FSAR Chapter 11, Table 11.2-202 will be revised to add Input Parameters of Discharge Depth (ft.) and Drinking water intakes downstream of BLN.
829			BLN	Pt 02	FSAR 11	11.02.T / T11.2-202	RAI LTR 031 response to RAI 11.02-03 item 4	4. COLA Part 2, FSAR Chapter 11, Table 11.2-202 will be revised to change the title from: LADTAP II Input (a) For Individual Dose Rates To Read: LADTAP II Input (a)
823			BLN	Pt 02	FSAR 11	11.02.T / T11.2-203 & -204	DUPLICATE INFO - RAI LTR 031 response to RAI 11.02-01 item 5	5. COLA Part 2, FSAR Tables 11.2-203 and 11.2-204 will be revised per response to RAI 11.02-03, this letter (note, this change is PLANT-SPECIFIC).
825			BLN	Pt 02	FSAR 11	11.02.T / T11.2-203 & -204	DUPLICATE INFO - RAI LTR 031 response to RAI 11.02-02 item 3	3. COLA Part 2, FSAR Tables 11.2-203 and 11.2-204 will be revised per response to RAI 11.02-03 (this letter).
830			BLN	Pt 02	FSAR 11	11.02.T / T11.2-203 & -204	RAI LTR 031 response to RAI 11.02-03 item 5	5. COLA Part 2, FSAR Chapter 11, will be revised to replace Tables 11.2-203 and 11.2-204 with the Tables shown in Attachment 11.02-03B.
587			BLN	Pt 02	FSAR 11	11.02.T / T11.2-205 & -206	RAI LTR 031 response to RAI 11.02-02 item 2	2. COLA Part 2, FSAR Chapter 11, Section 11.2 will be revised to add FSAR Tables 11.2-205 and 11.2-206 as shown on Attachment 11.02-02A.
585			BLN	Pt 02	FSAR 11	11.03.03	RAI LTR 033 response to RAI 11.03-01	COLA Part 2, FSAR Chapter 11, Section 11.3 and associated tables are revised as shown in Attachments 11.03-01A and 11.03-01B. (The changes include new sections and/or tables as needed).
1603	AP-STD-0283b	3	STD	Pt 02	FSAR 11	11.03.03.04.03	SUPERSEDED by final LTR-033 - Revise per	Revise FSAR subsections 11.2.3.5.3 and 11.3.3.4.3 to address standard and site-specific cost-benefit analysis information following NRC rejection of NEI 07-11 for

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							generic and site-specific wording developed and addressed by responses to RAIs 420 (liquid) and 422 (gaseous)	review.
1601			BLN	Pt 02	FSAR 11	11.03.05	RAI LTR 033 response to RAI 11.03-01	COLA Part 2, FSAR Chapter 11, Section 11.3 and associated tables are revised as shown in Attachments 11.03-01A and 11.03-01B. (The changes include new sections and/or tables as needed).
111	AP-STD-0053	1	STD	Pt 02	FSAR 11	11.03.06	SUPERSEDED by LTR-033 (deletes 11.3.6) - Correct title of NEI 07-11 ("Generic Template Guidance for Cost-Benefit Analysis for Radwaste Systems for Light-Water-Cooled Nuclear Power Reactors")	For Reference 201, remove "FSAR" from title and change "Guidelines" to "Guidance"
1602			BLN	Pt 02	FSAR 11	11.03.T / T11.3-201 to -207	RAI LTR 033 response to RAI 11.03-01	COLA Part 2, FSAR Chapter 11, Section 11.3 and associated tables are revised as shown in Attachments 11.03-01A and 11.03-01B. (The changes include new sections and/or tables as needed). (The revised Tables 11.3-201 through 11.3-205 replace existing FSAR Tables in their entirety, Tables 11.3-206 and 11.3-207 are new and will be added to FSAR)
471			BLN	Pt 02	FSAR 11	11.03.T / T11.3-203	RAI LTR 033 response to RAI 11.03-02	COLA Part 2, FSAR Chapter 11, Tables 11.3-203 and 11.3-205 will be replaced with those in Attachment 11.3-01B; these tables provide the individual and population doses by pathway and organ.
1248	BLN-0001	0	BLN	Pt 02	FSAR 11	11.03.T / T11.3-203	SUPERSEDED by LTR-033 - Correction to typographical error in reporting infant Total Body Dose	Replace infant Total Body dose "5.54E+01" with "5.54E-01"
2219			BLN	Pt 02	FSAR 11	11.03.T / T11.3-204	Reference doesn't belong.	Remove '(Reference 3.10)' in Note 1)
1247			BLN	Pt 02	FSAR 11	11.03.T / T11.3-205	RAI LTR 033 response to RAI 11.03-02	COLA Part 2, FSAR Chapter 11, Tables 11.3-203 and 11.3-205 will be replaced with those in Attachment 11.3-01B; these tables provide the individual and population doses by pathway and organ.
1000	AP-STD-0160	2	STD	Pt 02	FSAR 11	11.04.06	Editorial	Change "The PCP describes the ...." to read "The Process Control Program (PCP) describes the ....."
2004			STD	Pt 02	FSAR 11	11.04.07	Update per latest submittal by NEI	Update NEI 07-10 Reference 201 to "Revision 2" submitted "February 2008"
990	AP-STD-0150	2	STD	Pt 02	FSAR 11	11.05.01.02	Only part of the DCD text is being revised.	Change the instructions to read "Revise the fourth bullet in DCD Subsection 11.5.1.2 as follows:" Additionally, at the end of the bullet underline the "and Regulatory Guide 4.15, Revision 1."
1605			STD	Pt 02	FSAR 11	11.05.01.02	Underline is not consistent format.	Remove underline of "and Regulatory Guide 4.15, Revision 1" added in Qb 990 (AP-STD-0150).
112	AP-STD-0054	1	STD	Pt 02	FSAR 11	11.05.03	Editorial - consistency in citation	In the last line on the page, add the word "Guide" between "Regulatory" and "4.15."
147	AP-STD-0089	1	STD	Pt 02	FSAR 11	11.05.04.01	Editorial - consistent use of introductory	Change the introductory statement to read, "Add the following information at the end of DCD Subsection 11.5.4."

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							statements	
665			STD	Pt 02	FSAR 11	11.05.04.02	RAI LTR 043 response to RAI 11.05-02 item 1	1. COLA Part 2, FSAR Chapter 11, Subsection 11.5.4.2, will be revised to insert new paragraphs addressing sampling and analysis immediately following the Subsection heading.
704			STD	Pt 02	FSAR 11	11.05.04.02	RAI LTR 043 response to RAI 11.05-01 item 1	1. COLA Part 2, FSAR. Chapter 11, Subsection 11.5.4.2 will be revised to add the following paragraph after the first paragraph. (Note that the first paragraph will be revised by the response to RAI 11.05-02, this letter). Testing and obtaining representative samples using the radiation monitors described in DCD Subsection 11.5 will be performed in accordance with ANSI N13.1 (Reference 201).
799			STD	Pt 02	FSAR 11	11.05.04.02	RAI LTR 043 response to RAI 11.05-01 item 2	2. Revise COLA Part 2, FSAR. Chapter 11, Subsection 11.5.4.2 second paragraph from: For obtaining representative samples in unfiltered ducts, isokinetic probes are used as recommended by ANSI N13.1 (Reference 201). To read: For obtaining representative samples in unfiltered ducts, isokinetic probes are tested and used in accordance with ANSI N13.1 (Reference 201).
148	AP-STD-0090	1	STD	Pt 02	FSAR 11	11.05.07	Editorial - grammatical correction	In the first line, move the comma that is after NEI 07-09 to a position after (Reference 202), to read, "This section adopts NEI 07-09 (Reference 202), which..."
826			BLN	Pt 02	FSAR 11	11.05.07	RAI LTR 031 response to RAI 11.02-02 item 4	4. COLA Part 2, FSAR, Chapter 11, Subsection 11.5.7, the last paragraph will be revised from: STD COL 11.5-3 This COL Item is addressed in Subsections 11.2.3.5 and 11.3.3.4 for liquid and gaseous effluents respectively. To read: BLN COL 11.5-3 This COL Item is addressed in Subsections 11.2.3.5, 11.2.3.5.1 for liquid effluents and 11.3.3.4 for gaseous effluents
800			STD	Pt 02	FSAR 11	11.05.08 R201	RAI LTR 043 response to RAI 11.05-01 item 3	3. COLA Part 2, FSAR. Chapter 11, Subsection 11.5.8, Reference 201 will be revised from: ANSI N13.1-1999, "Sampling and Monitoring Releases of Airborne Radioactive Substances from the Stacks and Ducts of Nuclear Facilities." To read: ANSI N13.1-1969, "Guide to Sampling Airborne Radioactive Materials in Nuclear Facilities."
2164			STD	Pt 02	FSAR 11	11.05.08 R202	Conform to NEI update of the template.	Update COLA Part 2, FSAR. Chapter 11, Subsection 11.5.8, Reference 202 to NEI 07-09, Revision 1, February 2008.
802			STD	Pt 02	FSAR 11	11.05.08 R203	RAI LTR 043 response to RAI 11.05-02 item 2	2. COLA Part 2, FSAR Chapter 11, Subsection 11.5.8 will be revised to add: 203. ANSI N42.18-2004, "Specification and Performance of On-Site Instrumentation for Continuous Monitoring Radioactivity in Effluents."
1013	AP-STD-0173	2	STD	Pt 02	FSAR 11	11.05.T / T11.5-201 Sh1	Fe-55 should only be measured for liquid effluents; not gaseous (based on NUREG 1301, Table 4.11-1)	Remove Fe-55 from list of nuclides on Filters in the "Quarterly" Frequency
1421			STD	Pt 02	FSAR 12	12.01	RAI LTR 109 response to RAI 12.01-01 item 1	1. COLA Part 2, FSAR. Chapter 12, Section 12.1, first paragraph will be revised To read: This section incorporates by reference NEI 07-08, Generic FSAR Template Guidance for Ensuring That Occupational Radiation Exposures Are as Low as Is Reasonably Achievable (ALARA), Revision 2, which is currently under review by the NRC staff. See Table 1.6-201. ALARA practices are developed in a phased milestone approach

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								as part of the procedures necessary to support the Radiation Protection Program. Table 13.4-201 describes the major milestones for ALARA procedures development and implementation.
113	AP-STD-0055	1	STD	Pt 02	FSAR 12	12.01.02.04.03	Correction of referenced DCD subsection	In the introductory statement, change 12.1.2.3 to 12.1.2.4
161	AP-STD-0106	1	STD	Pt 02	FSAR 12	12.03.04	Editorial - correction of missing word	The last sentence under "Contamination Surveys," add the word "surveillance" after the word "routine."
1468	AP-STD-0273	3	STD	Pt 02	FSAR 12	12.03.04	Some utilities have off-site labs that can do the analysis without sending to a contractor.	Revise second sentence of second paragraph to read "Samples which cannot be analyzed on-site are forwarded to an off-site laboratory or a contractor for analysis; or, the DAC percentage may be hand calculated using appropriate values from 10 CFR Part 20, Appendix B."
1809			BLN	Pt 02	FSAR 12	12.03F / F12.3-201 to 203	NRC guidance - any page marked "withhold" will be withheld.	Revise each page with a "withhold" header to read "withheld" per NRC request. There is no need to withhold the page since the information has been withheld by removing it from the page and putting it in Part 9. No change bars are necessary for this change.
244	AP-STD-0016	0	STD	Pt 02	FSAR 12	12.04.01.09.04	Fix typographical error to correct regulatory citation	Change 10 CFR 21.1201 to 10 CFR 20.1201
1074	AP-STD-0234	2	STD	Pt 02	FSAR 12	12.05.02.02	Departure 18.8-1 is site specific	Change STD DEP 18.8-1 to a site specific departure LMA
1512	AP-STD-0317	3	STD	Pt 02	FSAR 12	12AA / 12AA-1	Subsection 12.5.3.2 of NEI 07-03 provides the details required from Regulatory Guide 1.206 regarding health physics monitoring instrumentation and equipment. DCD Subsection 12.5.2 addresses the facilities for storing, issuing, calibrating and using the equipment, but does not address the capabilities of the instruments as was done in NEI 07-03. The wording, as currently stated in the FSAR, leaves an unintended gap in material to be described. Cross-references to fixed instruments is provided in the cited DCD Subsection, but not to operational radiation protection instrumentation.	Revise 12AA, 4th full paragraph on page 12AA-1, from: "Subsections 12.5.3, 12.5.3.1 and 12.5.3.2 of NEI 07-03 are not incorporated into Appendix 12AA. Facilities, instrumentation, and equipment are described in DCD Subsection 12.5.2." to: "Subsections 12.5.3 and 12.5.3.1 of NEI 07-03 are not incorporated into Appendix 12AA. Facilities, instrumentation, and equipment are described in DCD Subsection 12.5.2."
1477	AP-STD-0282	3	STD	Pt 02	FSAR 12	12AA / 12AA-1 & 2	These revisions were incorporated into NEI 07-03 Rev 4.	On page 12AA-1, delete the revision to the first paragraph of NEI 07-03 Section 12.5. On page 12AA-2, delete the revision to the first paragraph of NEI 07-03 Section 12.5.4.6.

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1425			STD	Pt 02	FSAR 12	12AA.05.04.08	RAI LTR 109 response to RAI 12.03-12.04-02 item 1	1. COLA Part 2, FSAR. Chapter 12; Appendix 12AA, will be revised to add the following after Subsection 12.5.4.7: Add the following text after the last bullet of NEI 07-03 Subsection 12.5.4.8. This subsection adopts NEI 08-08 (Reference 201), which is currently under review by the NRC staff, for discussion of compliance with 10 CFR 20.1406.
1996			STD	Pt 02	FSAR 12	12AA.05.04.08	LMA not identified in response to RAI LTR 109, RAI 12.03-12.04-02, item 1	COLA Part 2, FSAR. Chapter 12, Appendix 12AA, was revised to add new text to address NEI 07-03 Subsection 12.5.4.8. This text should have LMA of STD COL 12.5-1. This subsection adopts NEI 08-08 (Reference 201), which is currently under review by the NRC staff, for discussion of compliance with 10 CFR 20.1406.
1423			STD	Pt 02	FSAR 12	12AA.05.04.13	RAI LTR 109 response to RAI 12.03-12.04-01 item 1	1. COLA Part 2, FSAR. Chapter 12, Appendix 12AA.5.4.13 will be revised To read: STD COL 12.3-3 A groundwater monitoring program beyond the normal radioactive effluent monitoring program is developed. If and as necessary to support this groundwater monitoring program, design features will be installed during the plant construction process. Areas of the site to be specifically considered in this groundwater monitoring program are (all directions based on plant standard): • West of the auxiliary building in the area of the fuel transfer canal. • West and south of the radwaste building. • East of the auxiliary building rail bay and the radwaste building truck doors. This subsection adopts NEI 08-08 (Reference 201), which is currently under review by the NRC staff, for the Groundwater Monitoring Program description.
1469	AP-STD-0274	3	STD	Pt 02	FSAR 12	12AA.05.04.13 12AA.05.04.14 12AA.05.04.15	NEI 07-03, Rev4 FEB 2008 added a new section 12.5.4.13 Records to the document	Revise 12AA.5.4.13 Groundwater Monitoring Program to 12AA.5.4.14 Groundwater Monitoring Program, and 12AA.5.4.14 Record of Operational Events of Interest for Decommissioning to 12AA.5.4.15 Record of Operational Events of Interest for Decommissioning.
114	AP-STD-0056	1	STD	Pt 02	FSAR 12	12AA.05.04.13, Page 12AA-3	Editorial – typographical clarification	In the second sentence of the paragraph, change "If and as necessary to support.." to "If necessary to support.."
1077	AP-STD-0237	2	STD	Pt 02	FSAR 12	12AA.05.04.14	Format consistency	Delete horizontal line between subsection title and 1st (and only) paragraph
1424			STD	Pt 02	FSAR 12	12AA.05.04.14	RAI LTR 109 response to RAI 12.03-12.04-01 item 2	2. COLA Part 2, FSAR Chapter12, Appendix 12AA, add the following after Subsection 12AA.5.4.14: Add the following reference to the NEI 07-03 REFERENCES.  201: NEI 08-08, Generic FSAR Template Guidance for Life Cycle Minimization of Contamination, Revision 0.
1426			STD	Pt 02	FSAR 12	12AA.05.04.14	DUPLICATE INFO - RAI LTR 109 response to RAI 12.03-12.04-02 item 2	2. COLA Part 2, FSAR Chapter 12, Appendix 12AA, Reference 201 will be added per response to RAI 12.03-12.04-01, this letter.
1427			STD	Pt 02	FSAR 12	12AA.05.04.14	RAI LTR 109 response to RAI 12.03-12.04-03 item 1	1. COLA Part 2, FSAR. Chapter 12, Section 12AA.5.4.14 will be revised from: Procedures are established to document the operational events that are deemed of interest for decommissioning, beyond that required by 10 CFR 50.75. These documented operational events assist in developing a historical assessment of the nuclear facilities, thereby reducing time, effort, and hazards to personnel during decommissioning planning. This documentation will include identification of the remediation of any leaks, which have the potential to contaminate groundwater. To read: This subsection adopts NEI 08-08 (Reference 201), which is currently under review by the NRC staff, for discussion of recordkeeping practices important to decommissioning



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1428			STD	Pt 02	FSAR 12	12AA.05.04.14	DUPLICATE INFO - RAI LTR 109 response to RAI 12.03-12.04-03 item 2	2. COLA Part 2, FSAR Chapter 12, Appendix 12AA, Reference 201 will be added per response to RAI 12.03-12.04-01, this letter.
1235	AP-STD-0033d	1	STD	Pt 02	FSAR 13	13 TOC	SUPERSEDED by Qb 955 - Editorial - consistency in use of NEI-06-13-A	change "NEI-06-13" to "NEI-06-13A"
761			BLN	Pt 02	FSAR 13	13.01.01.03.01.06	RAI LTR 013 response to RAI 17.05-03 item 3a & b	3. COLA Part 2, FSAR Chapter 13 will be revised to a. Add new Section 13.1.1.3.1.6 (a), and b. Change Section 13.1.1.3.1.6 number to 13.1.1.3.1.6 (b).
623			BLN	Pt 02	FSAR 13	13.01.02.01.02.09	RAI LTR 057 response to RAI 09.05.01-11	COLA Part 2, FSAR Chapter 13, Subsection 13.1.2.1.2.9, last paragraph will be revised to add the following at the end of the paragraph: The engineer in charge of fire protection is trained and experienced in nuclear plant safety or has available personnel who are trained and experienced in nuclear plant safety.
956			STD	Pt 02	FSAR 13	13.01.03.01	RAI LTR 081 response to RAI 13.02.01-01 item 6	6. COLA Part 2, FSAR Chapter 13, Subsection 13.1.3.1 will be revised from: Qualifications of managers, supervisors, operators, and technicians of the operating organization meet the qualification requirements in education and experience for those described in ANSI/ANS-3.1-1993 (Reference 201), as endorsed and amended by Regulatory Guide 1.8, except for cold license operators as discussed in Appendix 13BB. To read: Qualifications of managers, supervisors, operators, and technicians of the operating organization meet the qualification requirements in education and experience for those described in ANSI/ANS-3.1-1993 (Reference 201), as endorsed and amended by Regulatory Guide 1.8.
1257	BLN-0010	2	BLN	Pt 02	FSAR 13	13.01.03.01	Editorial - LMA inadvertently omitted	Add LMA "BLN COL 13.1-1" in addition to LMA "BLN COL 18.6-1."
1479	AP-STD-0284a	3	STD	Pt 02	FSAR 13	13.01.04	Consistency	Add STD DEP LMAs for 13.1.4 and 13.5.3 to address changes for COL information item sections from standard DCD format
1607			BLN	Pt 02	FSAR 13	13.01F / F13.1-203	RAI LTR 013 response to RAI 17.05-03 item 3d & e	3. COLA Part 2, FSAR Chapter 13 will be revised to d. update Figure 13.1-203, and e. update Figure 13.1-203.
957			STD	Pt 02	FSAR 13	13.02	RAI LTR 081 response to RAI 13.02.01-01 item 7	7. COLA Part 2, FSAR Chapter 13, Section 13.2 will be revised to delete the following sentence: Appendix 13BB provides supplemental information to NEI 06-13 to address cold license operator training.
1234	AP-STD-0033e	1	STD	Pt 02	FSAR 13	13.02	Editorial - consistency in use of NEI-06-13-A	change "NEI-06-13" to "NEI-06-13A"
313			STD	Pt 02	FSAR 13	13.04.T / T13.4-201 01	RAI LTR 003 response to RAI 05.04.02.02-01 item 1	COLA Part 2. FSAR Chapter 13. Table 13.4-201, item 1, will be revised from: "5.2.4, 6.6" to read "5.2.4, 5.4.2.5, 6.6" and from: "10 CFR 50.55a(g); ASME XI 2001 2004 IWA 2430(b) (Reference 201)" to read "10 CFR 50.55a(g); ASME XI IWA-2430(b) (Reference 201)"  COLA Part 2. FSAR Chapter 13. Table 13.4-201. item 4, will be revised from: "5.2.4, 6.6" to read "5.2.4, 5.4.2.5, 6.6" and from: "10 CFR 50.55a(g); ASME Code Section XI IWB-2200(a) (Reference 201)" to read "10 CFR 50.55a(g); ASME XI IWB-2200(a) (Reference 201)"
713			STD	Pt 02	FSAR 13	13.04.T / T13.4-201 07	RAI LTR 047 response to RAI 06.02.06-01 item 1	1. COLA Part 2, FSAR Chapter 13, Table 13.4-201, Item 7 Milestone column entry, will be revised from: Prior to Mode 4

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								To read: Prior to initial fuel load
1422			STD	Pt 02	FSAR 13	13.04.T / T13.4-201 10	RAI LTR 109 response to 12.01-01 item 2	2. COLA Part 2, FSAR, Chapter 13, Table 13.4-201, Item 10 will be revised to identify ALARA practices in Section 12.1 as included in the referenced program.
149	AP-STD-0091	1	STD	Pt 02	FSAR 13	13.04.T / T13.4-201 15	Correction of milestone (see also AP-STD-0105)	For Fitness for Duty (Operations), change Implementation Milestone from "Prior to receipt of fuel" to "Prior to initial fuel load"
1828			STD	Pt 02	FSAR 13	13.04.T / T13.4-201 16	Consistency with Chapter 17 identified milestone	For Quality Assurance Program - Operation, change Implementation Milestone from "30 days prior to scheduled date for the initial loading of fuel" to "COL Issuance"
950			STD	Pt 02	FSAR 13	13.05.01	RAI LTR 080 response to RAI 13.05.01.01-01	COLA Part 2, FSAR Chapter 13, Subsection 13.5.1, seventh paragraph, will be revised to include the following new bullet at the end of the bulleted list: • Fire protection program implementation.
1606	AP-STD-0284b	3	STD	Pt 02	FSAR 13	13.05.03	Consistency	Add STD DEP LMAs for 13.1.4 and 13.5.3 to address changes for COL information item sections from standard DCD format
115	AP-STD-0057	1	STD	Pt 02	FSAR 13	13.06	DUPLICATE INFO - See Qb 1493 - Editorial - correction of mis-spelled word	In the first paragraph, third line, correct the spelling of "Commission"
150	AP-STD-0092	1	STD	Pt 02	FSAR 13	13.06	Editorial - word choice	In the first line, add the word, "the" in front of "Training and Qualification Plan"
810			STD	Pt 02	FSAR 13	13.06	DUPLICATE INFO - See Qb 1493 - RAI LTR 050 response to RAI 01-01 item 3	3. COLA Part 2, FSAR Chapter 13, Section 13.6, will be revised to add the following paragraph. An operational program following the guidance of NRC endorsed NEI 04-04 Revision 1 will be implemented prior to fuel load.
1493	AP-STD-0298	3	STD	Pt 02	FSAR 13	13.06	Conforming change per TR134, Rev. 5, Item NRC 268	Revise the second sentence of the first paragraph of 13.6 to read, "The Security Plan is submitted to the Nuclear Regulatory Commission as a separate licensing document in order to fulfill the requirements of 10 CFR 52.79(a)(35) and 52.79(a)(36)." In 13.6, add a new third paragraph to read, "An operational program following the guidance of NRC endorsed NEI 04-04 Revision 1 will be implemented prior to fuel load." In Section 13.6.1, revise STD COL 13.6-1 to read, "Information for the Security Plan portion of this COL item is addressed in 13.6." In Section 13.6.1, add STD COL 13.6-5 as a new paragraph to read, "Information for the cyber security program portion of this COL item is addressed in 13.6." In Section 13.6.2, Reference 201, capitalize the word, "During"
2088			STD	Pt 02	FSAR 13	13.06	QB Change #2005 adds new reference to reference section, 13.06.02, this change adds it to the text of 13.06.	Section 13.06, Paragraph 3 add (Reference 202) as follows: An operational program following the guidance of NRC endorsed NEI 04-04 Revision 1 (Reference 202) will be implemented prior to fuel load.
812			STD	Pt 02	FSAR 13	13.06.01	DUPLICATE INFO - See Qb 1493 - RAI LTR 050 response to RAI 01-01 item 4	4. COLA Part 2, FSAR Chapter 13, Section 13.6.1, will be revised to add STD COL 13.6-5 as shown below. STD COL 13.6-5 as a new paragraph to read, "Information for the cyber security program portion of this COL item is addressed in 13.6."
973	AP-STD-0133	2	STD	Pt 02	FSAR 13	13.06.01	Consistency with DCD. NRC rejected APP-GW-GLR-066 (TR94) that	Revise current 13.6.1 References to become 13.6.2. Add new 13.6.1 Combined License Information Items

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							removed subsection 13.6.1 from the DCD. DCD has been revised via TR134 to re-insert COL item subsection 13.6.1 via change NRC128. Since 13.6.1 now exists, the new subsection must be added to the DCD as 13.6.2 and the COL item must be addressed in the COLA. Partially SUPERSEDED by Qb 1493 - use 1493 wording for the sentence addressing the Security Plan portion of the COL item.	Information for this COL item is addressed in 13.6. ----- LMA for the new section should be STD COL 13.6-1.
2018			STD	Pt 02	FSAR 13	13.06.01	Editorial formatting and consistency changes.	Add separator lines for changes in Qb 1493 before the 13.6.1 title, after the 13.6.1 Section title, and after the STD COL 13.6-1 sentence on the Security Plan portion of the COL item. In Section 13.6.1, STD COL 13.6-1 item - add "Section" prior to the reference to 13.6. In Section 13.6.1, STD COL 13.6-5 item - add "Section" prior to the reference to 13.6.
2005			STD	Pt 02	FSAR 13	13.06.02	Add reference to support addition of NEI document in RAI LTR 050 response to RAI 01-01 item 3	Add new Reference 202 in Subsection 13.6.1 - NEI- 04-04, Cyber Security Program for Power Reactors," Revision 1.
116	AP-STD-0058	1	STD	Pt 02	FSAR 13	13.07	SUPERSEDED by Qb 1472 - Editorial - correction of sentence structuring	In the statement for STD DEP 1.1-1, re-word the second phrase of the paragraph as follows: "...to allow for sequential numbering of the Fitness..."
151	AP-STD-0093	1	STD	Pt 02	FSAR 13	13.07	Consistency with other program descriptions - removal of milestone information from text and referral to Table 13.4-201	Revise the sentence that reads: "The construction phase program is implemented, as identified in Table 13.4-201, prior to on-site construction of safety- or security-related structures, systems, or components." to read: "The construction phase program is implemented as identified in Table 13.4-201." and revise the sentence that reads: "The operations phase program is implemented prior to initial fuel loading, as identified in Table 13.4-201." to read: "The operations phase program is implemented as identified in Table 13.4-201."
245	AP-STD-0017	0	STD	Pt 02	FSAR 13	13.07	Fitness for Duty information is identified as standard supplemental content but includes a commitment for TVA specifically; change keeps this paragraph standard.	Change: "TVA commits to an operations phase program consistent..." to: "The operations phase program will be consistent..."
1472	AP-STD-	3	STD	Pt 02	FSAR 13	13.07	The COLA identified	The wording of the DCD 13.7 STD DEP 1.1-1 information is revised to read "DCD

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
	0277						section 13.8 was not generated; instead References were redistributed to appropriate X.Y section.	Section 13.7 is redistributed to include DCD Section 13.7 references 7, 8 and 10 with COLA Subsection 13.5.4 and DCD Section 13.7 references 2, 3, 4 and 5 with COLA Subsection 13.6.2."
2019		1	STD	Pt 02	FSAR 13	13.07	Editorial	Revise the first sentence to remove "(Program)"
2021			STD	Pt 02	FSAR 13	13.07	WEC DCD Rev 17 conforming change.	Revise the Qb 1472 wording of the DCD 13.7 STD DEP 1.1-1 to omit the reference to Reference 5. Also revise the references to COLA Section 13.5.4 and COLA Section 13.6.2 to reference COLA FSAR Subsection 13.5.4 and COLA FSAR Subsection 13.6.2.
152	AP-STD-0094	1	STD	Pt 02	FSAR 13	13AA.01.01.01.04	Editorial - correction of mis-spelled word	In the second sentence of the second paragraph, change "Site" to "Site"
1057	AP-STD-0217	2	STD	Pt 02	FSAR 13	13AA.01.01.01.02.02	Terminology correction	At the end of the first line, change "operation" to "operations."
1058	AP-STD-0218	2	STD	Pt 02	FSAR 13	13AAF / F13AA-201	Terminology correction	Change "Manager, Plant, Test & Operation (PT&O)" to "Manager, Plant Test & Operations (PT&O)."
1608			BLN	Pt 02	FSAR 13	13AAF / F13AA-201	RAI LTR 013 response to RAI 17.05-03 item 3d & e	d. FIGURE 13.1-203, Corporate and Engineering Organization - remove the dotted line between the organization box titled "Executive, Nuclear Generation Development, & Construction" and organization box titled "BLN Site Executive, Plant Management" e. FIGURE 13.1-203, Corporate and Engineering Organization - add an organization box titled "BLN Site Executive, Engineering, Procurement, and Construction" with hard line reporting to the organization box titled "Executive, Nuclear Generation Development & Construction", and a dotted line relationship with the organization box titled "BLN Site Executive, Plant Management".
955			STD	Pt 02	FSAR 13	13BB	RAI LTR 081 response to RAI 13.02.01-01 item 5	5. COLA Part 2, FSAR Chapter 13, will be revised to remove Appendix 13BB.
974	AP-STD-0134	2	STD	Pt 02	FSAR 13	13BB	SUPERSEDED by Qb 955 - Separator line inadvertently omitted.	Add final separator line at the end of the section.
1233	AP-STD-0033f	1	STD	Pt 02	FSAR 13	13BB	SUPERSEDED by Qb 955 - Editorial - consistency in use of NEI-06-13-A	change "NEI-06-13" to "NEI-06-13A"
1521	AP-STD-0285b	3	STD	Pt 02	FSAR 13	13BB	SUPERSEDED by Qb 955 - Per recommendation of Training team and to provide single source for information	Remove Appendix 13BB and all references to it in FSAR due to issue of NEI 06-13A Rev. 1
153	AP-STD-0097	1	STD	Pt 02	FSAR 13	13BB.02.01.03	SUPERSEDED by Qb 955 - Editorial - consistency in citation	In the third paragraph, fourth line, change "Regulatory 1.8" to "Regulatory Guide 1.8"
246	AP-STD-0018	0	STD	Pt 02	FSAR 13	13BB.02.01.03	SUPERSEDED by Qb 955 - Existing text points to section 13.2.1.1, which does not exist; information is appropriately captured in subsequent text.	Replace last sentence with "Cold license operator training will be conducted as described below."

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
154	AP-STD-0098	1	STD	Pt 02	FSAR 13	13BB.02.01.03.02	SUPERSEDED by Qb 955 - Editorial - correction of missing word	In the second paragraph, fifth bullet, add the word "training" between "on-the-job" and "(OJT)"
117	AP-STD-0059	1	STD	Pt 02	FSAR 13	13BB.02.01.03.04	SUPERSEDED by Qb 955 - Editorial - consistency with industry terminology	In the second line of the first bullet under the second full paragraph on the page, change to read, "...used to provide licensed operator training..."
155	AP-STD-0099	1	STD	Pt 02	FSAR 13	13BB.02.01.03.04	SUPERSEDED by Qb 955 - Editorial - grammatical correction	In the third paragraph, third bullet, add the word, "An " in front of "ANSI/ANS 3.5"
1232	AP-STD-0060b	1	STD	Pt 02	FSAR 14	14 TOC	Editorial - capitalization consistency with DCD (see DCD Section 8.1)	Capitalize "AC" in both the TOC listing for Subsection 14.2.9.4.23 and in the Subsection title on Page 8
247	AP-STD-0020a	0	STD	Pt 02	FSAR 14	14.02.02.01.04	Editorial - cited document is embedded within the document identified within Reference 201 (14.2.11)	Change reference in 14.2.2.1.4 and 14.2.2.2 citation to "(found in Reference 201)"
1245	AP-STD-0020b	0	STD	Pt 02	FSAR 14	14.02.02.02	Editorial - cited document is embedded within the document identified within Reference 201 (14.2.11)	Change reference in 14.2.2.1.4 and 14.2.2.2 citation to "(found in Reference 201)"
1201			STD	Pt 02	FSAR 14	14.02.03.02	RAI LTR 102 response to RAI 14.02-10	COLA Part 2, FSAR, Chapter 14, Subsection 14.2.3.2 will be revised to include the following bullet in STD COL 14.4-4: • Verifying that the results of retesting do not invalidate ITAAC acceptance criteria.
1470	AP-STD-0275	3	STD	Pt 02	FSAR 14	14.02.08	Address guidance of RG 1.206, C.III.1 - 14.2.11.	Add new Section "14.2.8 Test Program Schedule" with text to read "A site-specific initial test program schedule will be provided to the NRC after issuance of the COL. This schedule will address each major phase of the test program (including tests that are required to be completed before fuel load), as well as the organizational impact of any overlap of first unit initial testing with initial testing of the second unit." Include LMA of STD SUP 14.2-1
2162		3	STD	Pt 02	FSAR 14	14.02.08	Consistency	Add introductory statement just prior to new Section "14.2.8 Test Program Schedule"
767			STD	Pt 02	FSAR 14	14.02.09.04.23	RAI LTR 017 response to RAI 14.02-01	COLA Part 2, FSAR Chapter 14, Subsection 14.2.9.4.23, will be revised by adding the following to the end of the existing Subsection 14.2.9.4.23 in the sequence indicated: i. Operation of instrumentation and control alarms used to monitor switchyard equipment status. j. Proper operation and load carrying capability of breakers, switchgear, transformers, and cables, and verification of these items by a non-testing means such as a QC nameplate check of as built equipment where testing would not be practical or feasible. k. Verification of proper operation of the automatic transfer capability of the preferred power supply to the maintenance power supply through the reserve auxiliary transformer. l. Switchyard interface agreement and protocols are verified.
1231	AP-STD-	1	STD	Pt 02	FSAR 14	14.02.09.04.23	Editorial - capitalization	Capitalize "AC" in both the TOC listing for Subsection 14.2.9.4.23 and in the

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
	0060c						consistency with DCD (see DCD Section 8.1)	Subsection title on Page 8
724			STD	Pt 02	FSAR 14	14.02.09.04.26	RAI LTR 028 response to RAI 14.02-09 item 1	1. COLA Part 2, FSAR Chapter 14, Section 14.2.9.4.26, item c, will be revised from: c. Operation of communication equipment is verified. To read: c. Operation of portable communication equipment is verified.
725			STD	Pt 02	FSAR 14	14.02.09.04.26	RAI LTR 028 response to RAI 14.02-09 item 2	2. COLA Part 2, FSAR Chapter 14, Section 14.2.9.4.26, will be revised to add new item h: h. Compatibility of threads for hydrants, hose couplings, and standpipe risers with the local fire department equipment is verified, or alternatively, an adequate supply of readily available hose thread adaptors is verified.
1429			STD	Pt 02	FSAR 14	14.02.09.04.27	RAI LTR 109 response to RAI 12.03-12.04-05 item 1	1. COLA Part 2, FSAR. Chapter 14, Section 14.2.9.4.27, third paragraph will be revised To read: The portable personnel monitors and radiation survey instruments are source checked, tested, maintained, and calibrated in accordance with the manufacturers' recommendations. The portable monitors and instruments tests include: a. Proper function of the monitors and instruments to respond to radiation is verified, as required. b. Proper operation of instrumentation controls, battery, and alarms, if applicable.
774			STD	Pt 02	FSAR 14	14.02.11	RAI LTR 021 response to RAI 14.02-04	COLA Part 2, FSAR, Subsection 14.2.11, "References" will be revised from: 201. Westinghouse Electric Company (WEC), "AP1000 Conduct of Test Program," Document Number APP-GW-GLR-038, Revision 1, May 2007. To read: 201. Westinghouse Electric Company (WEC), "AP1000 Conduct of Test Program," Document Number APP-GW-GLR-038, Revision 2, June 2008.
1244	AP-STD-0020c	0	STD	Pt 02	FSAR 14	14.02.11	NO CHANGE to 14.2.11 - Editorial - cited document is embedded within the document identified within Reference 201 (14.2.11)	Change reference in 14.2.2.1.4 and 14.2.2.2 citation to "(found in Reference 201)"
1062	AP-STD-0222	2	STD	Pt 02	FSAR 14	14.03.02.03	The R-COLA FSAR corresponding fourth question did not match the DCD fourth question.	Under the header of "Selection Criteria," change the fourth question to "For nonsafety-related systems, are there any features or functions that have been identified in DCD Section 16.3 as candidates for additional regulatory oversight?"
1513	AP-STD-0318	3	STD	Pt 02	FSAR 14	14.03.02.03	Editorial - Consistency with the definition of ITAAC	In the first paragraph, heading for the second column of the ITAAC table, revise from "Inspections, Tests, Analysis" to "Inspections, Tests, Analyses"
1818			STD	Pt 02	FSAR 14	14.03.T / T14.3-201	WEC DCD Rev 17 conforming change	Add two systems to the ITAAC SCREENING SUMMARY table. These are: YFS Yard Fire Water System XX ZRS Offsite Retail Power System NA
1202			STD	Pt 02	FSAR 14	14.04.02	RAI LTR 102 response to RAI 14.02-11	COLA Part 2, FSAR. Chapter 14, Subsection 14.4.2 will be revised to include the following:  A cross reference list is provided between ITAACs and test procedures and/or sections of test procedures.
1821			STD	Pt 02	FSAR 14	14.04.03	WEC DCD Rev 17 conforming change	Add new section in Part 2, Chapter 14, to address new COL Holder item 14.4-3  14.4.3 CONDUCT OF TEST PROGRAM

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								[LMA of STD COL 14.4-3] A site-specific startup administration manual (procedure), which contains the administration procedures and requirements that govern the activities associated with the plant initial test program, as identified in DCD Subsection 14.2.3 and as described in APP-GW-GLR-038 (DCD Reference 2), is provided.
119	AP-STD-0061	1	STD	Pt 02	FSAR 14	14.04.04	Editorial - correction of mis-spelled word	In the fourth line, correct the spelling of "responsible"
1497	AP-STD-0302	3	STD	Pt 02	FSAR 14	14.04.06	TR134, R5 item NRC254.	Revise last sentence to read "If the tests are not performed, the justification is provided prior to preoperational testing."
120	AP-STD-0062	1	STD	Pt 02	FSAR 15	15.00	Editorial - for consistency with DCD	Correct the chapter title to read, "Accident Analyses"
2029			BLN	Pt 02	FSAR 15	15.06.05.03.07.03	SUPERSEDED by Qb 2141 - WEC DCD R17 conforming change and BLN / NRC meeting of 20081103.	COLA Part 2, FSAR Chapter 15, Section 15.6.5.3.7.3 added text is revised to read "[Site-specific &#967;/Q values provided in Subsection 2.3.4 are bounded by the values given in DCD Tables 15A-5 and 15A-6. (This text to be revised in a future amendment.)]"
2141			BLN	Pt 02	FSAR 15	15.06.05.03.07.03	BLN RAI LTR 129, item 2	COLA Part 2 FSAR, Chapter 15, Section 15.6, section 15.6.5.3.7.3 will be revised as shown below.  Bellefonte Nuclear Plant, Units 3 & 4 COL Application Part 2, FSAR 15.6 DECREASE IN REACTOR COOLANT INVENTORY This section of the referenced DCD is incorporated by reference with the following departures and/or supplements. 15.6.5.3.7.3 Atmospheric Dispersion Factors Add the following paragraph at the end of DCD Subsection 15.6.5.3.7.3. BLN COL 2.3-4 [Site-specific /Q values provided in Subsection 2.3.4 are bounded by the values given in DCD Tables 15A-5 and 15A-6. (This text to be revised in a future amendment.)]"
2030			BLN	Pt 02	FSAR 15	15A.03.03	SUPERSEDED by Qb 2142 - WEC DCD R17 conforming change and BLN / NRC meeting of 20081103.	COLA Part 2, FSAR Chapter 15, Section 15A.3.3 added text is revised to read "[Site-specific &#967;/Q values provided in Subsection 2.3.4 are bounded by the values given in DCD Tables 15A-5 and 15A-6. (This text to be revised in a future amendment.)]"
2142			BLN	Pt 02	FSAR 15	15A.03.03	BLN RAI LTR 129, item 3	COLA Part 2 FSAR, Chapter 15, Section 15.6, Appendix 15A-3.3 will be revised as shown below.  Bellefonte Nuclear Plant, Units 3 & 4 COL Application Part 2, FSAR APPENDIX 15A EVALUATION MODELS AND PARAMETERS FOR ANALYSIS OF RADIOLOGICAL CONSEQUENCES OF ACCIDENTS This section of the referenced DCD is incorporated by reference with the following departures and/or supplements. 15A.3.3 Atmospheric Dispersion Factors Replace the third paragraph in DCD Subsection 15A.3.3 with the following: BLN COL 2.3-4 [Site-specific /Q values provided in Subsection 2.3.4 are bounded by the values given in DCD Tables 15A-5 and 15A-6. (This text to be revised in a future amendment.)]"

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
754			BLN	Pt 02	FSAR 17	17.01	RAI LTR 013 response to RAI 17.05-01 item 1	1. COLA Part 2, FSAR Section 17.1, final paragraph, will be revised from: The "Quality Assurance Program Description" (QAPD) discussed in Section 17.5 will become effective at COL issuance, and establishes the QA program requirements for the remaining portion of the design and construction phases. To read: Implementation of the applicable portions of the "Quality Assurance Program Description" (QAPD) discussed in Section 17.5 begins at COL Issuance. The program establishes the QA program requirements for the remaining portion of the design and construction phases and for operations; however, full implementation of the Operations related requirements will be no later than as indicated in Table 13.4-201.
1254	BLN-0007	0	BLN	Pt 02	FSAR 17	17.01	SUPERSEDED by Qb 1949 - TVA letter dated January 8, 2008	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).
1949			BLN	Pt 02	FSAR 17	17.01	RAI LTR 014 S1 response to RAI 17.05-10	Note that first paragraph of the FSAR text shown below was added by TVA letter dated January 8, 2008 (Reference 3). COLA Part 2, FSAR Chapter 17, Section 17.1, first and second paragraphs, will be revised To read: Tennessee Valley Authority (TVA) is responsible for the establishment and execution of BLN COL 17.5-1 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, and Enercon Services, Inc., the work of establishing and executing the quality assurance program, or any parts thereof, but retains responsibility for the quality assurance program.  Effective during COL application development, through and until COL issuance, the NuStart Energy Development, LLC (NuStart) Quality Assurance (QA) program, defines the QA program requirements for design activities. Construction activities at Bellefonte are not planned before the COL is issued.
1951			BLN	Pt 02	FSAR 17	17.01	RAI LTR 015 S1 reponse to RAI 17.05-12 item 2	2. COLA Part 2, FSAR Chapter 17, Section 17.5, second paragraph, sixth sentence, will be revised from (note that the change was incorrectly identified as affecting 17.5, when 17.1 is actually being revised): TVA maintains oversight under its existing 10 CFR Part 50, Appendix B program, as described in "Tennessee Valley Authority Nuclear Quality Assurance Plan" (TVA-NQA-PLN89).  To read: TVA maintains oversight under its existing 10 CFR Part 50, Appendix B program, as described in "Tennessee Valley Authority Nuclear Quality Assurance Plan," TVA-NQA-PLN89-A (Reference 204).
1953			BLN	Pt 02	FSAR 17	17.01	RAI LTR 016 S1 response to RAI 17.05-16	COLA Part 2, FSAR, Chapter 17, Section 17.1 will be revised to include the following after the fourth paragraph:  The TVA Bellefonte Units 3 and 4 safety related design activities conducted under the program described in FSAR Section 17.1 are performed in conformance with Regulatory Guide 1.28, Revision 3. This is the only identified applicable quality



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								assurance related Regulatory Guide for the program in place prior to COL receipt
92	AP-STD-0034a	1	STD	Pt 02	FSAR 17	17.05	SUPERSEDED by Qb 2578 - Editorial - consistency in citations	In Section 17.5, change the last sentence of the first paragraph to read, "This QAPD is based on NEI 06-14A, "Quality Assurance Program Description," which was approved by the NRC as indicated in Reference 201." In Section 17.8, change Reference 201 to read, "U.S. Nuclear Regulatory Commission, "Final Safety Evaluation Report for Technical Report NEI 06-14A "Quality Assurance Program Description," Rev. 4, ML072200084, July 2007.
766			STD	Pt 02	FSAR 17	17.05	SUPERSEDED by Qb 1947 - RAI LTR 013 response to RAI 17.05-09	COLA Part 2, FSAR, Section 17.5, first paragraph, will be revised from: The Quality Assurance Program in place during the design, construction, and operations phases is described in the QAPD, which is maintained as a separate document. The QAPD is based on NEI 06-14, "Quality Assurance Program Description," which was approved by the NRC in Reference 203. To read: The Quality Assurance Program in place during the design, construction, and operations phases is described in the QAPD, which is maintained as a separate document. The QAPD is incorporated by reference. This QAPD is based on NEI 06-14, "Quality Assurance Program Description," which was approved by the NRC in Reference 203.
1947			STD	Pt 02	FSAR 17	17.05	SUPERSEDED (partially) by Qb 2578 - RAI LTR 013 S1 response to RAI 17.05-09 item 1	1. COLA Part 2, FSAR, Section 17.5, first paragraph, will be revised from: The Quality Assurance Program in place during the design, construction, and operations phases is described in the QAPD, which is maintained as a separate document. The QAPD is based on NEI 06-14, "Quality Assurance Program Description," which was approved by the NRC in Reference 203. To read: The Quality Assurance Program in place during the design, construction, and operations phases is described in the QAPD, which is maintained as a separate document. The QAPD is incorporated by reference. This QAPD is based on NEI 06-14, "Quality Assurance Program Description," which was approved by the NRC in Reference 203.
1948			BLN	Pt 02	FSAR 17	17.05	RAI LTR 013 S1 response to RAI 17.05-09 item 2	2. COLA Part 2, FSAR, Section 17.5, will be revised to add a new second paragraph to read: BLN COL 17.5-1 The QAPD is the TVA Bellefonte Units 3 and 4 Quality Assurance Program Description.
2578			STD	Pt 02	FSAR 17	17.05	Editorial - consistency in citations	In Section 17.5, change the last sentence of the first paragraph to read: "This QAPD is based on NEI 06-14A, "Quality Assurance Program Description," which was is currently under review by the NRC (Reference 203)."
975	AP-STD-0135	2	STD	Pt 02	FSAR 17	17.06	Extra separator line inadvertently included.	Remove first separator line at the top of the page.
1084	AP-STD-0244	2	STD	Pt 02	FSAR 17	17.06	This change is made to reflect the approved template, which is no longer under NRC review.	Change the three instances of "NEI 07-02" to "NEI 07-02A." Additionally, in the first paragraph, delete the phrase "which is currently under review by the NRC staff,".
1609	AP-STD-0034b	1	STD	Pt 02	FSAR 17	17.08 R203	SUPERSEDED by Qb 2579 - Editorial - consistency in citations	In Section 17.5, change the last sentence of the first paragraph to read, "This QAPD is based on NEI 06-14A, "Quality Assurance Program Description," which was approved by the NRC as indicated in Reference 203." In Section 17.8, change Reference 203 to read, "U.S. Nuclear Regulatory Commission, "Final Safety Evaluation Report for Technical Report NEI 06-14A "Quality Assurance Program Description," Rev. 4, ML072200084, July 2007.
2579			STD	Pt 02	FSAR 17	17.08 R203	Editorial - consistency in	In Section 17.8, change Reference 203 to read,

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							citations	"203. Nuclear Energy Institute, Technical Report NEI 06-14A, "Quality Assurance Program Description," Revision 5, May 7, 2008."
1255	BLN-0008	0	BLN	Pt 02	FSAR 17	17.08 R204	TVA letter dated January 8, 2008	Add new Reference 204. Tennessee Valley Authority, "Tennessee Valley Authority Nuclear Quality Assurance Plan," TVA-NQA-PLN89-A.
1952			BLN	Pt 02	FSAR 17	17.08 R204	RAI LTR 015 S1 response to RAI 17.05-12 item 3	3. COLA Part 2, FSAR Chapter 17, Section 17.8, will be revised to add Reference 204.  204. Tennessee Valley Authority, Nuclear Quality Assurance Plan, TVA-NQA-PLN89-A.
1414			STD	Pt 02	FSAR 17	17.08 R205	RAI LTR 121 response to RAI 17.04-01 item 2	2. COLA Part 2, FSAR Chapter 17, Subsection 17.8, References, will be revised to add the following reference (Note: 'X' will be replaced with the next sequential reference number): 20X. Nuclear Energy Institute, "Generic FSAR Template Guidance for Maintenance Rule Program Description for Plants Licensed Under 10 CFR Part 52," NEI 07-02A, Revision 0
1056	AP-STD-0216	2	STD	Pt 02	FSAR 18	18.08.03.06	Terminology correction	Change "Operational" in the sentence to "Operations."
1500	AP-STD-0305	3	STD	Pt 02	FSAR 18	18.08.03.06	TR134, R5 item NRC245.	Revise title to read "Operations Support Center Mission and Major Tasks"
156	AP-STD-0101	1	STD	Pt 02	FSAR 19	19.19	Editorial - grammatical correction	Change "supplement" to "supplements" in standard statement
1412			STD	Pt 02	FSAR 19	19.46, 19.47, 19.48, 19.52, 19.53	RAI LTR 120 response to RAI 19-06	COLA Part 2, FSAR Chapter 19, Sections 19.46, 19.47, 19.48, 19.52 and 19.53 will be revised to change the section title from "Deleted" to "Not Used" and change the text from: This section of the referenced DCD is incorporated by reference with no departures or supplements. To read: This section was not required for DCD and is not used by DCD and FSAR.
121	AP-STD-0063	1	STD	Pt 02	FSAR 19	19.49	Editorial - correction of mis-spelled word	Correct the spelling of "Evaluation"
122	AP-STD-0064	1	STD	Pt 02	FSAR 19	19.59.10.05	Editorial - for consistency with DCD	In the first line of the third paragraph, correct the quoted title of Section 19.58 by removing the word, "High." The start of the sentence should thus read, "It has been confirmed that the Winds, Floods, and Other External Events analysis..."
123	AP-STD-0065	1	STD	Pt 02	FSAR 19	19.59.10.05	Editorial - consistency in citation	In the last line of the first full paragraph on the page, change the parenthetical statement by adding a comma after 19.59 to read, "(DCD Section 19.59, Reference 3)"
157	AP-STD-0102	1	STD	Pt 02	FSAR 19	19.59.10.05	Editorial - consistency in citation	In the third paragraph, second line, add "DCD" in front of "Section 19.58"
928			STD	Pt 02	FSAR 19	19.59.10.05	RAI LTR 083 response to RAI 19-03	1. COLA Part 2, FSAR Chapter 19, Subsection 19.59.10.5, fifth paragraph will be changed To read: The AP1000 Severe Accident Management Guidance (SAMG) from APP-GW-GLR-070, Reference 1 of DCD Section 19.59, is implemented on a site-specific basis. Key elements of the implementation include: • SAMG based on APP-GW-GLR-070 is provided to Emergency Response Organization (ERO) personnel in assessing plant damage, planning and prioritizing response actions and implementing strategies that delineate actions inside and outside the control room. • Severe accident management strategies and guidance are interfaced with the

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								Emergency Operating Procedures (EOP's) and Emergency Plan. <ul style="list-style-type: none"> <li>Responsibilities for authorizing and implementing accident management strategies are delineated as part of the Emergency Plan.</li> <li>SAMG training is provided for ERO personnel commensurate with their responsibilities defined in the Emergency Plan.</li> </ul>
989	AP-STD-0149	2	STD	Pt 02	FSAR 19	19.59.10.05	Editorial	In the paragraph for STD COL 19.59.10-1, 4th sentence, the word "failure" should be plural.
1290			STD	Pt 02	FSAR 19	19.59.10.05	RAI LTR 083 response to RAI 19-01	COLA Part 2, FSAR, Chapter 19, Subsection 19.59.10.5 will be revised to add the following to STD COL 19.59.10-1: The requirements to which the equipment is to be purchased are included in the equipment specifications. Specifically, the equipment specifications include: 1. Specific minimum seismic requirements consistent with those used to define the Table 19.55-1 HCLPF values. This includes the known frequency range used to define the HCLPF by comparing the required response spectrum (RRS) and test response spectrum (TRS). The range of frequency response that is required for the equipment with its structural support is defined. 2. Hardware enhancements that were determined in previous test programs and/or analysis programs will be implemented.
1411			BLN	Pt 02	FSAR 19	19.59.10.05	RAI LTR 120 response to RAI 19-05	COLA Part 2, FSAR Chapter 19, subsection 19.59.10.5, second paragraph will be changed from: A review of the differences between the as-built plant and the design used as the basis for the AP1000 PRA and DCD Table 19.59-18 will be completed prior to fuel load. The PRA will be updated to reflect these differences if they potentially result in a significant increase in core damage frequency or large release frequency. To read: A review of the differences between the as-built plant and the design used as the basis for the AP1000 PRA and DCD Table 19.59-18 will be completed prior to fuel load. The plant specific PRA-based insight differences will be evaluated and the plant specific PRA model modified as necessary to account for plant-specific design and any design changes or departures from the design certification PRA.
1471	AP-STD-0276	3	STD	Pt 02	FSAR 19	19.59.10.05	Wording is Standard wording for all AP1000 COLAs	Revise plant specific LMA for COL item 19.59.10-2 (BLN COL 19.59.10-2 in BLN COLA) to STD COL 19.59.10-2
124	AP-STD-0066	1	STD	Pt 02	FSAR 19	19.59.10.06	Correction of terminology	In the second bullet of the first paragraph, change "upgrades" to "updates"
125	AP-STD-0067	1	STD	Pt 02	FSAR 19	19.59.10.06	Editorial – consistency with industry terminology	Under "Schedule for Maintenance and Upgrades of the PRA," second bullet, correct "renewal license" to "license renewal."
158	AP-STD-0103	1	STD	Pt 02	FSAR 19	19.59.10.06	Editorial – consistency in citation	In the text under the heading, PRA Input to Design Programs and Processes, add "DCD" in front of "Section 14.3"
248	AP-STD-0021	0	STD	Pt 02	FSAR 19	19.59.10.06	Editorial - correct punctuation	In line just above underlined title "Process for Maintenance and Upgrades of the PRA" change colon to period
253	AP-STD-0026	0	STD	Pt 02	FSAR 19	19.59.10.06	Correction of terminology	In the paragraph under "Schedule of Maintenance and Upgrades of the PRA", second line, change "update" to "upgrade."
991	AP-STD-0151	2	STD	Pt 02	FSAR 19	19.59.10.06	Consistency with DCD terminology	Revise the sub-section header "PRA Assurance" to "PRA Quality Assurance."
992	AP-STD-0152	2	STD	Pt 02	FSAR 19	19.59.10.06	Editorial	In the first sentence under "PRA Input to the Regulatory Treatment of Nonsafety-Related Systems Programs," the word "utilities" should be possessive. Change to "utility's."

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1075	AP-STD-0235	2	STD	Pt 02	FSAR 19	19.59.10.06	grammatical error	Paragraph titled "PRA Input to the Maintenance Rule Implementation", use title case for "maintenance rule" in two places (ie change to "Maintenance Rule")
126	AP-STD-0068	1	STD	Pt 02	FSAR 19	19D	Editorial - correction of mis-spelled word	Correct the spelling of "Assessment" in the title.
1491	AP-STD-0296	3	STD	Pt 02	FSAR 19	19F	Change per TR134, Rev. 5, NRC Item 248	Add APP. 19F MALEVOLENT AIRCRAFT IMPACT (Page) 19F-1, to the TOC. Add a page to the end of Chapter 19 that contains the following: "APPENDIX 19F MALEVOLENT AIRCRAFT IMPACT This section of the referenced DCD is incorporated by reference with no departures or supplements."
<b>Pt 04</b>				<b>235 COLA Changes</b>				
168	AP-STD-0113	1	STD	Pt 04		A.1- / 1	SUPERSEDED by Qb 1530 - TVA letter dated January 14, 2008	Revise to include two new paragraphs for GTS 3.3.1 and GTS 3.3.2 in accordance with Enclosure 3 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchardt)
172	AP-STD-0117	1	STD	Pt 04		A.1- / 1	SUPERSEDED by Qb 1530 - Add exception for Bases only changes since these changes can be made without a license amendment	In the second sentence, insert "(with the exception of Bases only changes such as GTS Bases 3.6.8)" between "For each of these items" and ", a license condition is proposed to require the bracketed information to be addressed."
1530			STD	Pt 04		A.1- / 1	WEC DCD Rev 17 conforming change	Remove all of Section A.1 and replace with the following statements - "All generic bracketed items in the GTS and Bases have been completed. Plant-specific bracketed items are addressed in Section A.2."
1501	AP-STD-0306	3	STD	Pt 04		A.2- / 2	Duplicating these pages in A.2 and B (clean copy) is confusing and unnecessary.	Revise second sentence of initial paragraph to read "PSTS pages reflecting each PSTS change to the DCD GTS and Bases are provided in the Section B clean copy." Also remove all PSTS page in Section A from 3.1.4-4 through 5.6-2.
1528			STD	Pt 04		A.2-03.03.01 / 2	Address removal of bracketed Reviewer's Note	Add paragraph to address removal of Reviewer's Note to read:  GTS 3.3.1 Specification 3.3.1 (Table 3.3.1-1) contains a Reviewer Note which addresses future confirmation of chosen setpoints. Remove the reviewer note in the PSTS. There is no replacement language. Justification: The reviewer's note information for this specification is deleted because it is not intended to be a part of technical specifications.
173	AP-STD-0118	1	STD	Pt 04		A.2-03.03.01 / 3.3.1-11	SUPERSEDED by Qb 1530 - WEC DCD TR134 Rev 3	Page 3.3.1-11 - Remove brackets from Reviewer Note as identified in TR134 change NRC085.
1529			STD	Pt 04		A.2-03.03.02 / 2	Address removal of bracketed Reviewer's Note	Add paragraph to address removal of Reviewer's Note to read:  GTS 3.3.2 Specification 3.3.2 (Table 3.3.2-1) contains a Reviewer Note which addresses future confirmation of chosen setpoints. Remove the reviewer note in the PSTS. There is no replacement language. Justification: The reviewer's note information for this specification is deleted because it is not intended to be a part of technical specifications.
1016	AP-STD-0176	2	STD	Pt 04		A.2-05.02.02 & 05.03 / 5	consistency w/ GTS	Change "reviewer note" in the second paragraph for GTS 5.2.2 and GTS 5.3 to "reviewer's note"

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1017	AP-STD-0177	2	STD	Pt 04		A.2-05.03.01 / 6	Bold is inconsistent formatting.	In GTS 5.3.1, unbold the bold text.
1484	AP-STD-0289	3	STD	Pt 04		A.2-05.03.01 / 6	SUPERSEDED by Qb 1530 - Consistent with NEI 06-13A, Rev 1 Also see Qb item 958	TSS.3.1, change "prior to commercial operation" to "through the first refueling outage"
1094	AP-STD-0254	2	STD	Pt 04		A.2-B3.8.7 / B3.8.7-05	SUPERSEDED by Qb 1501 - Page is added to Section A to show all the pages affected by the PSTS changes.	Bases page B 3.8.7-5 needs to be included in Part A after Bases page B 3.8.7-2. This page is added because GTS 3.8.7 addresses the [5] amp battery float value that will not be available until later.
2130			STD	Pt 04		B, 00 LOEP	No longer applicable	Remove List of Effective Pages, TS-LOEP-1 and TS-LOEP-2
2132			STD	Pt 04		B, 00 TOC/Rev Summary	conform to revision status of COLA	Technical Specifications Table of Contents/Revision Summary under Revision, Replace FSAR 0 with FSAR 1
169	AP-STD-0114	1	STD	Pt 04		B, 00 Various	SUPERSEDED by DCD Rev 17 revisions - TVA letter dated January 14, 2008	Revise the Technical Specifications and Bases in accordance with Enclosure 3 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borhardt). This change restores [brackets] as conforming change to match the restored brackets for DCD.
1741			STD	Pt 04		B, 01.01 PTLR / 1.1-5	WEC DCD Rev 17 conforming change	Revise PTLR reference to LCO 3.4.15 to LCO 3.4.14
2113			STD	Pt 04		B, 01.01 SDM / 1.1-6	WEC DCD Rev 17 conforming change	Delete paragraph c of SHUTDOWN MARGIN definition
1742			STD	Pt 04		B, 01.01 STB / 1.1-6	WEC DCD Rev 17 conforming change	Correct formatting for STAGGERED TEST BASIS to line up with the definition text
1473	AP-STD-0278	3	STD	Pt 04		B, 02.01.01 / 2.0-1	WEC DCD TR134 Rev 4 - NRC213	In TS 2.1.1.1, remove the "s" from the end of "correlations"
1743			STD	Pt 04		B, 03.01.04 / 3.1.4-1	WEC DCD Rev 17 conforming change	Reformat LCO to read "All shutdown and control rods shall be OPERABLE. AND Individual indicated rod positions shall be within 12 steps of their group step counter demand position." -- Retain NOTE as previously provided
1744			STD	Pt 04		B, 03.01.04 / 3.1.4-4	WEC DCD Rev 17 conforming change	In SR 3.1.4.3, remove brackets
1745			STD	Pt 04		B, 03.01.08 / 3.1.8-1	WEC DCD Rev 17 conforming change	Revise LCO reference from Function 16.c to Function 16.b
1746			STD	Pt 04		B, 03.03.01 / 3.3.1-02-6	WEC DCD Rev 17 conforming change	In TS 3.3.1, remove brackets from all Completion Times in each Condition - this change supersedes previous DCD changes and TVA letter (Qb 169) which put the brackets in. Net result is no change to the COLA since the brackets were not in COLA Rev 0 TS.
1747			STD	Pt 04		B, 03.03.01 / 3.3.1-04-14	WEC DCD Rev 17 conforming change	In TS 3.3.1, remove Condition L and make all necessary changes to re-letter the remaining Conditions, Required Actions and references in Table 3.3.1-1
1748			STD	Pt 04		B, 03.03.01 / 3.3.1-08-14	WEC DCD Rev 17 conforming change	In TS 3.3.1, add new SR 3.3.1:3 and make all necessary changes to re-number the remaining Surveillances and references in Table 3.3.1-1
1749			STD	Pt 04		B, 03.03.01 / 3.3.1-09	WEC DCD Rev 17 conforming change	In TS 3.3.1, revise COLA Rev 0 SR 3.3.1.6 (for RTCOT) [now SR 3.3.1.7 per WEC DCD Rev 17 ] from a Frequency of 24 months to a Frequency of 92 days

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
174	AP-STD-0119	1	STD	Pt 04		B, 03.03.01 / 3.3.1-11	SUPERSEDED by Qb 1531 - WEC DCD TR134-Rev 3	Page 3.3.1-11 - Remove brackets from Reviewer Note as identified in TR134 change NRC085.
1531			STD	Pt 04		B, 03.03.01 / 3.3.1-11	Reviewer's Notes not appropriate for final Tech Specs	Page 3.3.1-11 - Delete bracketed Reviewer Note.
1750			STD	Pt 04		B, 03.03.01 / 3.3.1-12	WEC DCD Rev 17 conforming change	In TS 3.3.1, Table 3.3.1-1, Function 11, revise Applicable MODES from 1 with footnote f to "1,2"
1751			STD	Pt 04		B, 03.03.01 / 3.3.1-12	WEC DCD Rev 17 conforming change	In TS 3.3.1, Table 3.3.1-1, Function 11, revise AV from "230.4" to "190.4" and the Trip Setpoint from "230" to "190"
175	AP-STD-0120	1	STD	Pt 04		B, 03.03.01 / 3.3.1-12	WEC DCD TR134 Rev 3 - NRC173	Page 3.3.1-12 - Revise Function 6 and Function 7 Allowable Values and Trip Setpoints as identified in TR134 change NRC173.
1752			STD	Pt 04		B, 03.03.01 / 3.3.1-15	WEC DCD Rev 17 conforming change	In TS 3.3.1, Table 3.3.1-1, Note 1, remove brackets from [1]% & from [0.2% of RTP... and 0.14% of RTP for ?I]
1753			STD	Pt 04		B, 03.03.01 / 3.3.1-15	WEC DCD Rev 17 conforming change	In TS 3.3.1, Table 3.3.1-1, Note 2, remove brackets from [0.2% of RTP... RTP for Tcold].
1997			STD	Pt 04		B, 03.03.01 / 3.3.1-15	WEC DCD Rev 17 conforming change	In TS 3.3.1, Table 3.3.1-1, Note 1, in 4th line from bottom, revise RPT to RTP.
1754			STD	Pt 04		B, 03.03.02 / 3.3.2-12	WEC DCD Rev 17 conforming change	In TS 3.3.2, revise SR 3.3.2.5 (for COT) from a Frequency of 24 months to a Frequency of 92 days
1755			STD	Pt 04		B, 03.03.02 / 3.3.2-14	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, delete bracketed Reviewer Note
1756			STD	Pt 04		B, 03.03.02 / 3.3.2-18	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, footnote (k), revise LCO 3.4.13 reference to LCO 3.4.12 and revise LCO 3.4.14 reference to LCO 3.4.13
1757			STD	Pt 04		B, 03.03.02 / 3.3.2-19	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, footnote (k), revise LCO 3.4.13 reference to LCO 3.4.12 and revise LCO 3.4.14 reference to LCO 3.4.13
1758			STD	Pt 04		B, 03.03.02 / 3.3.2-19	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, add new footnote (n) to read "(n) With the RCS being cooled by the RNS."
1759			STD	Pt 04		B, 03.03.02 / 3.3.2-20	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, Function 11.b, revise AV from "230.4" to "190.4" and the Trip Setpoint from "230" to "190"
1760			STD	Pt 04		B, 03.03.02 / 3.3.2-22	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, Function 14.b, revise Applicable MODE 4 with note (j) to MODE 4 with notes (j,m)
1761			STD	Pt 04		B, 03.03.02 / 3.3.2-22	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, delete Function 15.c
1762			STD	Pt 04		B, 03.03.02 / 3.3.2-22	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, add Function 16.f to read "f. Source Range Neutron Flux Doubling" with the following statement beginning in the column for Applicable MODES - "Refer to Function 15.a (Boron Dilution Block, Source Range Neutron Flux Doubling) for all requirements."
1087	AP-STD-0247	2	STD	Pt 04		B, 03.03.02 / 3.3.2-23	WEC DCD TR134 - NRC101	Page 3.3.2-23 Revise Function 18.e Allowable Value to read ? 702 psig as identified in TR134 change NRC 101.
1763			STD	Pt 04		B, 03.03.02 / 3.3.2-23	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, add Function 18.f to read "f. Reactor Trip Breaker Open, P-3" "1,2,3" "3 divisions" "D,M" "SR 3.3.2.3" "NA" "NA"

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1764			STD	Pt 04		B, 03.03.02 / 3.3.2-24	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, revise Function 20.b from "Battery Charger Input Voltage - Low" to read "b. Pressurizer Pressure - Low" "1,2,3(a)" "4" "B,M" "SR 3.3.2.1, SR 3.3.2.4, SR 3.3.2.5, SR 3.3.2.6" "? 1794.9 psig" "1795.3 psig"
1765			STD	Pt 04		B, 03.03.02 / 3.3.2-24	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, add new footnote (a) to read "(a) Above the P-11 (Pressurizer Pressure) interlock, when the RCS boron concentration is below that necessary to meet the SDM requirements at an RCS temperature of 200°F."
2114			STD	Pt 04		B, 03.03.02 / 3.3.2-24	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, revise Function 22 to omit item c
1766			STD	Pt 04		B, 03.03.02 / 3.3.2-25	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, footnote (k), revise LCO 3.4.13 reference to LCO 3.4.12 and revise LCO 3.4.14 reference to LCO 3.4.13
1767			STD	Pt 04		B, 03.03.02 / 3.3.2-25	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, add new footnote (j) to read "(j) With the RCS not being cooled by the Normal Residual Heat Removal System (RNS)."
1768			STD	Pt 04		B, 03.03.02 / 3.3.2-25	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, add new footnote (n) to read "(n) With the RCS being cooled by the RNS."
1769			STD	Pt 04		B, 03.03.02 / 3.3.2-26	WEC DCD Rev 17 conforming change	In TS 3.3.2, Table 3.3.2-1, delete footnote (m)
1770			STD	Pt 04		B, 03.03.04 / 3.3.4-1	WEC DCD Rev 17 conforming change	In TS 3.3.4 Applicability, add "? 350°F" to end of "MODE 4 with RCS average temperature (Tavg)"
1771			STD	Pt 04		B, 03.03.05 / 3.3.5-1	WEC DCD Rev 17 conforming change	In TS 3.3.5 Required Action B.1, revise SR reference from "3.3.1.5" to "3.3.1.6"
1772			STD	Pt 04		B, 03.04.10 / 3.4.10-2	WEC DCD Rev 17 conforming change	In TS 3.4.10, remove SR 3.4.10.3"
1773			STD	Pt 04		B, 03.04.11 / 3.4.11-1	WEC DCD Rev 17 conforming change	In TS 3.4.11 Condition C, revise final portion of Condition statement from "Requirements of LCO not met for reasons other than Condition A" to read "Requirements of LCO not met for reasons other than Condition A or B"
1774			STD	Pt 04		B, 03.04.17 / 3.4.17-2	WEC DCD Rev 17 conforming change	In TS 3.4.17, revise "10-seconds" in SR 3.4.17.2 to "30 seconds"
2538			STD	Pt 04		B, 03.04.18 / 3.4.18-1	Editorial revision for WEC DCD GTS consistency	In TS 3.4.18, underline the AND connector
1775			STD	Pt 04		B, 03.07.01 / 3.7.1-1	WEC DCD Rev 17 conforming change	For Required Action A.1, add Completion Time of "4 hours"
1776			STD	Pt 04		B, 03.07.01 / 3.7.1-3	WEC DCD Rev 17 conforming change	In TS 3.7.1, Table 3.7.1-1, revise Maximum Allowable Power (% RTP) column from "57, 44, 30, 17" to read "60, 46, 32, 18"
1777			STD	Pt 04		B, 03.07.02 / 3.7.2-1	WEC DCD Rev 17 conforming change	In TS 3.7.2, Condition B, revise "moisture separator reheat supply steam control valves" to "moisture separator reheater 2nd stage steam isolation valves"
1778			STD	Pt 04		B, 03.07.02 / 3.7.2-2	WEC DCD Rev 17 conforming change	In TS 3.7.2, Condition C, revise "moisture separator reheat supply steam control valves" to "moisture separator reheater 2nd stage steam isolation valves"
1779			STD	Pt 04		B, 03.07.02 / 3.7.2-3	WEC DCD Rev 17 conforming change	In TS 3.7.2, Condition D, revise "moisture separator reheat supply steam control valves" to "moisture separator reheater 2nd stage steam isolation valves"
1780			STD	Pt 04		B, 03.07.02 / 3.7.2-4	WEC DCD Rev 17 conforming change	In TS 3.7.2, SR 3.7.2.2, revise "moisture separator reheat supply steam control valves" to "moisture separator reheater 2nd stage steam isolation valves"
1781			STD	Pt 04		B, 03.07.09 / 3.7.9-2	WEC DCD Rev 17 conforming change	In TS 3.7.9, SR 3.7.9.3, revise to add "SFS-PL-V042, SFS-PL-V045, SFS-PL-V049," to the list of valves just prior to SFS-PL-V066

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1474	AP-STD-0279	3	STD	Pt 04		B, 03.08.01 / 3.8.1-1	WEC DCD TR134 Rev 4 - NRC214	For Required Action B.3, add Completion Time of "7 days"
1782			STD	Pt 04		B, 03.08.01 / 3.8.1-1	WEC DCD Rev 17 conforming change	In TS 3.8.1, Required Action A.2, revise "[5] amps" to read "2 amps" with no brackets
1783			STD	Pt 04		B, 03.08.01 / 3.8.1-1	WEC DCD Rev 17 conforming change	In TS 3.8.1, Required Action B.2, revise "[5] amps" to read "2 amps" with no brackets
1784			STD	Pt 04		B, 03.08.01 / 3.8.1-3	WEC DCD Rev 17 conforming change	In TS 3.8.1, SR 3.8.1.2, revise "400 amps" to read "200 amps"
1785			STD	Pt 04		B, 03.08.07 / 3.8.7-1	WEC DCD Rev 17 conforming change	In TS 3.8.7, Condition B, revise "[5] amps" to read "2 amps" with no brackets
1786			STD	Pt 04		B, 03.08.07 / 3.8.7-1	WEC DCD Rev 17 conforming change	In TS 3.8.7, Required Action B.2, revise "[5] amps" to read "2 amps" with no brackets
1787			STD	Pt 04		B, 03.08.07 / 3.8.7-3	WEC DCD Rev 17 conforming change	In TS 3.8.7, Condition F, revise "[5] amps" to read "2 amps" with no brackets
1788			STD	Pt 04		B, 03.08.07 / 3.8.7-3	WEC DCD Rev 17 conforming change	In TS 3.8.7, SR 3.8.7.1, revise "[5] amps" to read "2 amps" with no brackets
1789			STD	Pt 04		B, 03.09.05 / 3.9.5-2	WEC DCD Rev 17 conforming change	In TS 3.9.5, SR 3.9.5.2, revise reference to LCO "3.9.4.d.1" to read "3.9.5.d.1"
176	AP-STD-0121	1	STD	Pt 04		B, 04.00 / 4.0-6	SUPERSEDED by Qb 1511 - Editorial - correction of mis-spelled word	Page 4.0-6 - Revise MODULE C1 to read "MODULE C1"
1511	AP-STD-0316	3	STD	Pt 04		B, 04.00 / 4.0-6	WEC DCD TR134 Rev 5 - NRC256	Replace Technical Specification Figure 4.3-1 shown in TR134 R0 with Figure 4.3-1 shown in TR134 Rev. 5
1790			STD	Pt 04		B, 04.00 / 4.0-6	DUPLICATE of Qb 1511 - WEC DCD Rev 17 conforming change	In Figure 4.3-1, revise figure per DCD Rev 17 revision to Figure
2539			STD	Pt 04		B, 05.02.02 / 5.2-2	Editorial revision for consistency with WEC DCD GTS	In COLA Part 4, Technical Specification 5.2.2, remove the underline from the Unit Staff (continued) header on page 5.2-2.
958			STD	Pt 04		B, 05.03.01 / 5.3-1	RAI LTR 081 response to RAI 13.02.01-01, item 8	8. COLA Part 4, Technical Specification 5.3.1 will be revised from: a. During cold license operator training prior to Commercial operation, the... To read: a. During cold license operator training through the first refueling outage, the...
2024			STD	Pt 04		B, 05.05.03	DUPLICATE INFO - See Qb 1791 & 1792 - RAI LTR 007 S1 response to RAI 03.09.06-16, item 1	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 1. Technical Specification 5.5.3 is revised from: a. Testing frequencies specified in Section XI of the ASME Boiler and Pressure Vessel Code and applicable Addenda as follows: ASME Boiler and Pressure Vessel Code and applicable Addenda Terminology for inservice testing activities Required Frequencies for performing inservice testing activities To read: a. Testing frequencies specified in Section XI of the ASME OM Code and applicable Addenda as follows: ASME OM Code and applicable Addenda Terminology for Required Frequencies for performing inservice



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								inservice testing activities testing activities
1791			STD	Pt 04		B, 05.05.03 / 5.5-3	WEC DCD Rev 17 conforming change	In TS 5.5.3.a, revise leading statement from "Testing frequencies specified in Section XI of the ASME Boiler and Pressure Vessel Code and applicable Addenda as follows" to read "Testing frequencies specified in the ASME OM Code and applicable Addenda as follows"
1792			STD	Pt 04		B, 05.05.03 / 5.5-3	WEC DCD Rev 17 conforming change	In TS 5.5.3.a, revise Terminology heading from "ASME Boiler and Pressure Vessel Code and applicable Addenda Terminology for inservice testing activities" to read "ASME OM Code and applicable Addenda Terminology for inservice testing activities"
1793			STD	Pt 04		B, 05.05.03 / 5.5-4	WEC DCD Rev 17 conforming change	In TS 5.5.4.a, revise last sentence from "...SG tubes are inspected, plugged, to confirm..." to read "...SG tubes are inspected or plugged, to confirm..."
1794			STD	Pt 04		B, 05.05.08 / 5.5-9	WEC DCD Rev 17 conforming change	In TS 5.5.8.d.2.a and b, remove brackets from "[0.05]" "[0.01]" and "[10]"
1795			STD	Pt 04		B, 05.06.06 / 5.6-4	WEC DCD Rev 17 conforming change	In TS 5.6.6.a, revise reference to LCO from "3.4.15" to "3.4.14"
1796			STD	Pt 04		B, 05.06.06 / 5.6-5	WEC DCD Rev 17 conforming change	In TS 5.6.6.b, revise reference to LCO from "3.4.15" to "3.4.14"
2131			STD	Pt 04		B, B 00 LOEP	No longer applicable	Remove List of Effective Pages, TS-BASES-LOEP-1 thru TS-BASES-LOEP-3
2133			STD	Pt 04		B, B 00 TOC/Rev Summary	Conformance with revision of COLA	Technical Specifications Bases Table of Contents/Revision Summary under Revision, Replace FSAR 0 with FSAR 1
177	AP-STD-0122	1	STD	Pt 04		B, B02.01.01 / B2.1.1-02 & 3	WEC DCD TR134 Rev 3 - NRC156	Pages B2.1.1-2 and -3 - Revise "average" to "cold leg" as identified in TR134 change NRC156.
1830			STD	Pt 04		B, B02.01.02 / B2.1.2-03	WEC DCD Rev 17 conforming change	For B2.1.2, revise Reference 4 from 10CFR100 to 10 CFR 50.34 and revise Reference 5 to delete "System"
1831			STD	Pt 04		B, B03.00.06 / B3.0-08	WEC DCD Rev 17 conforming change	For B3.0.6 LCO Bases, in the next to last paragraph, revise beginning of sentence from "Since operations is being restricted..." to read "Since operations are being restricted..."
1832			STD	Pt 04		B, B03.01.01 / B3.1.1-04	WEC DCD Rev 17 conforming change	For B3.1.1 LCO, in the last paragraph, revise Reference 3 from 10 CFR 100 to 10 CFR 50.34
1833			STD	Pt 04		B, B03.01.01 / B3.1.1-05	WEC DCD Rev 17 conforming change	For B3.1.1, References, revise Reference 3 from 10 CFR 100 to 10 CFR 50.34
1834			STD	Pt 04		B, B03.01.04 / B3.1.4-01	WEC DCD Rev 17 conforming change	For B3.1.4, Background, in the third sentence of the first paragraph, revise "Gray Rod Control Assemblies" to "Gray Rod Cluster Assemblies"
1835			STD	Pt 04		B, B03.01.04 / B3.1.4-09	WEC DCD Rev 17 conforming change	For B3.1.4, SR 3.1.4.2, in the last sentence, revise "Gray Rod Control Assemblies" to "GRCA"
1836			STD	Pt 04		B, B03.01.04 / B3.1.4-10	WEC DCD Rev 17 conforming change	For B3.1.4, SR 3.1.4.3, in the last sentence of the first paragraph, revise "Gray Rod Control Assemblies" to "GRCA"
2522			STD	Pt 04		B, B03.01.07 / B3.1.7-6	Editorial revision for consistency with DCD	Correct Headers to reflect underline.
1837			STD	Pt 04		B, B03.01.08 / B3.1.8-05	WEC DCD Rev 17 conforming change	For B3.1.8, Applicability, revise "5% RPT" to read "5% RTP" in two places
1838			STD	Pt 04		B, B03.01.08 / B3.1.8-05	WEC DCD Rev 17 conforming change	For B3.1.8, Actions D.1, revise beginning of first sentence from "If the Required Actions cannot..." to read "If the Required Action of Condition C cannot..."

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1839			STD	Pt 04		B, B03.02.01 / B3.2.1-06	WEC DCD Rev 17 conforming change	For B3.2.1, Actions B.2, revise the reference to an "8 hours" Completion Time to "72 hours"
1840			STD	Pt 04		B, B03.02.05 / B3.2.5-03	WEC DCD Rev 17 conforming change	For B3.2.5, Applicability, revise the end of the first paragraph from "MODES 1 and 2 with Keff ?1" to read "MODES 1 and 2"
1841			STD	Pt 04		B, B03.03.01 / B3.3.1-17 & 18	WEC DCD Rev 17 conforming change	For B3.3.1, Function 10, item a, revise each reference to RCS cold leg or legs to reference the RCS hot leg or legs. 5 occurrences in 3 paragraphs.
1843			STD	Pt 04		B, B03.03.01 / B3.3.1-18	WEC DCD Rev 17 conforming change	For B3.3.1, Function 11.a, revise reference to MODE 1 above P-10 to simply reference "MODE 1 or 2" in the second and third paragraphs.
2115			STD	Pt 04		B, B03.03.01 / B3.3.1-18	WEC DCD Rev 17 conforming change	For B3.3.1, Function 11.a, revise first paragraph to delete the second sentence - "Above the P-10 setpoint, high bearing water temperature in any RCP will initiate a reactor trip."
1844			STD	Pt 04		B, B03.03.01 / B3.3.1-22	WEC DCD Rev 17 conforming change	For B3.3.1, Function 16.b(1), delete bullet for RCP Bearing Water Temperature - High, - move the "and" to previous bullet
1845			STD	Pt 04		B, B03.03.01 / B3.3.1-23	WEC DCD Rev 17 conforming change	For B3.3.1, Function 16.b(5), delete bullet for RCP Bearing Water Temperature - High, - move the "and" to previous bullet
1846			STD	Pt 04		B, B03.03.01 / B3.3.1-29	WEC DCD Rev 17 conforming change	For B3.3.1, Actions E.1.1, E.1.2, and E.2, revise list of bullets to include new 6th (of 8) bullets that reads "RCP Bearing Water Temperature - High;"
1847			STD	Pt 04		B, B03.03.01 / B3.3.1-31	WEC DCD Rev 17 conforming change	For B3.3.1, Actions K.1.1, K.1.2, and K.2, revise third bullet from "Reactor Coolant Flow - Low (Both Hot Legs);" to read "Reactor Coolant Flow - Low; and"
1848			STD	Pt 04		B, B03.03.01 / B3.3.1-32	WEC DCD Rev 17 conforming change	For B3.3.1, Actions K.1.1, K.1.2, and K.2, revise to delete bullet for "RCP Bearing Water Temperature - High (Two Pumps); and"
1849			STD	Pt 04		B, B03.03.01 / B3.3.1-32-36	WEC DCD Rev 17 conforming change	For B3.3.1, delete Bases for Actions L.1.1, L.1.2, and L.2 and re-letter remaining Actions
1850			STD	Pt 04		B, B03.03.01 / B3.3.1-36	WEC DCD Rev 17 conforming change	For B3.3.1, Actions R.1 and R.2 (as revised to Q.1 and Q.2), revise the reference to "...enters Condition L" to read "...enters Condition R"
1851			STD	Pt 04		B, B03.03.01 / B3.3.1-36	WEC DCD Rev 17 conforming change	For B3.3.1, Actions S.1, S.2, and S.3 (as revised to R.1, R.2, and R.3), revise the reference in the 2nd paragraph to "Required Action L.11..." to read "Required Action R.3..."
1852			STD	Pt 04		B, B03.03.01 / B3.3.1-37	WEC DCD Rev 17 conforming change	For B3.3.1, SR 3.3.1.1, 3rd paragraph, revise the reference to "Reactor Coolant Flow - each cold leg" to read "Reactor Coolant Flow - each hot leg"
1853			STD	Pt 04		B, B03.03.01 / B3.3.1-39-45	WEC DCD Rev 17 conforming change	For B3.3.1, add new SR 3.3.1.3 Bases, and renumber each of the remaining SRs and each reference to any renumbered SR
1854			STD	Pt 04		B, B03.03.01 / B3.3.1-40	WEC DCD Rev 17 conforming change	For B3.3.1, SR 3.3.1.6 (now SR 3.3.1.7), first paragraph, revise the reference to the frequency from "24 months" to read "92 days"
1855			STD	Pt 04		B, B03.03.01 / B3.3.1-41	WEC DCD Rev 17 conforming change	For B3.3.1, SR 3.3.1.6 (now SR 3.3.1.7), 8th paragraph, revise the reference to the frequency from "24 months" to read "92 days"
2116			STD	Pt 04		B, B03.03.01 / B3.3.1-45	WEC DCD Rev 17 conforming change	For B3.3.1, SR 3.3.1.11 (now SR 3.3.1.12), last paragraph, revise the first sentence to begin "The SR 3.3.1.12 is modified by a note exempting..."
1856			STD	Pt 04		B, B03.03.02 / B3.3.2-28	WEC DCD Rev 17 conforming change	For B3.3.2, Function 11, remove last sentence which reads "RCP trip is actuated by HighRCP bearing water temperature ADS Stages 1, 2, and 3 Actuation (Function 9), and CMT actuation." Replace with "A high bearing water temperature trip signal will result in the tripping of all the RCPs. RCP trip is actuated by High RCP bearing water temperature, ADS Stages 1, 2, and 3 Actuation (Function 9), Manual CMT Actuation (Function 2.a), Pressurizer Water Level - Low 2, and Safeguards Actuation (Function

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								1)."
1857			STD	Pt 04		B, B03.03.02 / B3.3.2-28	WEC DCD Rev 17 conforming change	For B3.3.2, Function 11.b, revise first sentence beginning from "Each affected RCP will be tripped if two-out-of-four sensors on the RCP..." to read "The RCPs are tripped if two-out-of-four sensors on any RCP..."
1858			STD	Pt 04		B, B03.03.02 / B3.3.2-33	WEC DCD Rev 17 conforming change	For B3.3.2, Function 14.b, remove the sentence that reads "This Function is required to be OPERABLE in MODES 1, 2, and 3, and in MODE 4 when the RCS is not being cooled by the RNS."
178	AP-STD-0123a	1	STD	Pt 04		B, B03.03.02 / B3.3.2-34	WEC DCD TR134 Rev 3 - NRC156	Pages B3.3.2-34, 39, 41, and 51 - Revise Functions 15 and 18 and appropriate references as identified in TR134 change NRC156.
1859			STD	Pt 04		B, B03.03.02 / B3.3.2-34	WEC DCD Rev 17 conforming change	For B3.3.2, delete Function 15.c
2117			STD	Pt 04		B, B03.03.02 / B3.3.2-34	WEC DCD Rev 17 conforming change	For B3.3.2, Function 15, revise the last sentence to read "This Function is actuated by Source Range Neutron Flux Doubling and Reactor Trip"
1860			STD	Pt 04		B, B03.03.02 / B3.3.2-37	WEC DCD Rev 17 conforming change	For B3.3.2, insert new Function 16.f to read "16.f. Source Range Neutron Flux Doubling (Function 15.a) Chemical Volume Control System Makeup Isolation is actuated by the Source Range Neutron Flux Doubling Function. The Source Range Neutron Flux Doubling Function requirements are the same as the requirements for Boron Dilution Block Function 15.a, Source Range Neutron Flux Doubling. Therefore, the requirements are not repeated in Table 3.3.2-1, and Function 15.a is referenced for all requirements."
1861			STD	Pt 04		B, B03.03.02 / B3.3.2-39	WEC DCD Rev 17 conforming change	For B3.3.2, Function 18.a, in the 2nd paragraph, remove the capitalization from "Function"
1862			STD	Pt 04		B, B03.03.02 / B3.3.2-39	WEC DCD Rev 17 conforming change	For B3.3.2, Function 18.a, in the last paragraph, revise "Multiplication" to "Doubling"
1944	AP-STD-0123b	1	STD	Pt 04		B, B03.03.02 / B3.3.2-39	WEC DCD TR134 Rev 3 - NRC156	Pages B3.3.2-34, 39, 41, and 51 - Revise Functions 15 and 18 and appropriate references as identified in TR134 change NRC156.
1863			STD	Pt 04		B, B03.03.02 / B3.3.2-41	WEC DCD Rev 17 conforming change	For B3.3.2, Function 18.e, 2nd sentence, revise from "With RCS pressure below the P-19 setpoint, the operator can manually block CVS isolation on High 2 pressurizer water level" to read "With RCS pressure below the P-19 setpoint, the operator can manually block CVS isolation on High 2 pressurizer water level and block Passive RHR actuation and Pressurizer Heater Trip on High 3 pressurizer water level." Also revise third sentence from "When RCS pressure is above the P-19 setpoint, this Function is automatically unblocked." to read "When RCS pressure is above the P-19 setpoint, these Functions are automatically unblocked."
1945	AP-STD-0123c	1	STD	Pt 04		B, B03.03.02 / B3.3.2-41	WEC DCD TR134 Rev 3 - NRC156	SUPERCEDED by QB 2262. Pages B3.3.2-34, 39, 41, and 51 - Revise Functions 15 and 18 and appropriate references as identified in TR134 change NRC156.
2262			STD	Pt 04		B, B03.03.02 / B3.3.2-41	WEC DCD Rev 17 conforming change	Revise Section B3.3.2 18f to read: "The P-3 interlock is provided to permit the block of automatic Safeguards Actuation after a predetermined time interval following automatic Safeguards Actuation.  The reactor trip breaker position switches that provide input to the P-3 interlock only function to energize or de-energize (open or close) contacts. Therefore, this Function does not have an adjustable Trip Setpoint."
1864			STD	Pt 04		B, B03.03.02 / B3.3.2-42	WEC DCD Rev 17 conforming change	For B3.3.2, revise Function 20.b from Batter Charger Input Voltage - Low to Pressurizer Pressure - Low - "20.b. Pressurizer Pressure - Low

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								This signal provides protection against a potential release of radioactivity due to a LOCA. The transmitters are located inside containment, with the taps in the vapor space region of the pressurizer, and thus possibly experiencing adverse environmental conditions (LOCA, SLB inside containment). Therefore, the Trip Setpoint reflects the inclusion of both steady-state and adverse environmental instrument uncertainties. The LCO requires four channels of Pressurizer Pressure - Low to be OPERABLE in MODES 1, 2, and 3 (above P-11, when the RCS boron concentration is below that necessary to meet the SDM requirements at an RCS temperature of 200°F), to mitigate the consequences of a high energy line rupture inside containment. Four channels are provided to permit one channel to be in trip or bypass indefinitely and still ensure no single random failure will disable this trip Function. This signal may be manually blocked by the operator below the P-11 setpoint. This Function is not required to be OPERABLE in MODE 3 below the P-11 setpoint."
1865			STD	Pt 04		B, B03.03.02 / B3.3.2-42	WEC DCD Rev 17 conforming change	For B3.3.2, Function 21, in the fourth sentence, revise "...spray line is isolated" to "... spray line are isolated"
1866			STD	Pt 04		B, B03.03.02 / B3.3.2-44	WEC DCD Rev 17 conforming change	For B3.3.2, delete Function 22.c
1946	AP-STD-0123d	1	STD	Pt 04		B, B03.03.02 / B3.3.2-50	WEC DCD TR134 Rev 3 - NRC156	Pages B3.3.2-34, 39, 41, and 51 - Revise Functions 15 and 18 and appropriate references as identified in TR134 change NRC156.
2118		1	STD	Pt 04		B, B03.03.02 / B3.3.2-50	WEC DCD TR134 Rev 3 - NRC156	Pages B3.3.2-51 - Revise TR134 change NRC156. Add s to Function in parenthetical (Function 18.a and 18.f) and revise third sentence to begin "The P-3 and P-4 interlocks are enabled when RTBs..."
2534			STD	Pt 04		B, B03.03.02 / B3.3.2-50	Editorial format consistency with GTS	Pages B3.3.2-50 - Add line space between header B.1 and B.2 and the text.
1867			STD	Pt 04		B, B03.03.02 / B3.3.2-51	WEC DCD Rev 17 conforming change	For B3.3.2, Action E.1, add two new bullets to first paragraph such that the last four bullets are now "CVS Makeup Line Isolation; IRWST Injection Line Valve Actuation; IRWST Containment Recirculation Valve Actuation; Steam Generator PORV Flow Path Isolation."
1868			STD	Pt 04		B, B03.03.02 / B3.3.2-54	WEC DCD Rev 17 conforming change	For B3.3.2, Action K.1, Revise beginning of first sentence from "LCO 3.08..." to read "LCO 3.0.8..."
1869			STD	Pt 04		B, B03.03.02 / B3.3.2-62	WEC DCD Rev 17 conforming change	For B3.3.2, Action BB.1 and BB.2, revise 2nd paragraph to remove both references to "IRWST injection and"
1870			STD	Pt 04		B, B03.03.02 / B3.3.2-64	WEC DCD Rev 17 conforming change	For B3.3.2, SR 3.3.2.3, revise first sentence to read "SR 3.3.2.3 is the performance of a TADOT of the manual actuations, initiations, and blocks for various ESF Functions, the reactor trip breaker open (P-3), and the reactor trip (P-4) input from the IPCs."
1871			STD	Pt 04		B, B03.03.02 / B3.3.2-64	WEC DCD Rev 17 conforming change	For B3.3.2, SR 3.3.2.3, revise last paragraph to read "The SR is modified by a Note that excludes verification of setpoints from the TADOT. The functions have no setpoints associated with them."
1872			STD	Pt 04		B, B03.03.02 / B3.3.2-64	WEC DCD Rev 17 conforming change	For B3.3.2, SR 3.3.2.5, add a line space between the SR 3.3.2.5 header and the first paragraph
1873			STD	Pt 04		B, B03.03.02 / B3.3.2-64	WEC DCD Rev 17 conforming change	For B3.3.2, SR 3.3.2.5, revise the first paragraph frequency reference from "24 months" to "92 days"- also earlier in the sentence revise "an" to "a"
1874			STD	Pt 04		B, B03.03.02 / B3.3.2-65	WEC DCD Rev 17 conforming change	For B3.3.2, SR 3.3.2.5, revise the 8th paragraph frequency reference from "24 month" to "92 day"

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1875			STD	Pt 04		B, B03.03.04 / B3.3.4-02	WEC DCD Rev 17 conforming change	For B3.3.4, Applicability, revise the reference to "MODE 4 with Tav <sub>g</sub> < 350°F" to read "MODE 4 with Tav <sub>g</sub> ? 350°F"
1876			STD	Pt 04		B, B03.03.05 / B3.3.5-03	WEC DCD Rev 17 conforming change	For B3.3.5, Actions B.1 and B.2, revise the four references to "SR 3.3.1.5" to read "SR 3.3.1.6"
1877			STD	Pt 04		B, B03.04.06 / B3.4.6-04	WEC DCD Rev 17 conforming change	For B3.4.6, SR 3.4.6.1, revise the references to "ASME Code Section XI" to read "ASME OM Code"
1878			STD	Pt 04		B, B03.04.06 / B3.4.6-04	WEC DCD Rev 17 conforming change	For B3.4.6, References, revise reference 4 from ASME Code Section XI to read "ASME OM Code, "Code for Operation and Maintenance of Nuclear Power Plants.""
2033			STD	Pt 04		B, B03.04.06 / B3.4.6-04	RAI LTR 007 S1 response to RAI 03.09.06-16, item 3	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 3. Technical Specification Bases 3.4.6 Reference 4 is revised from:  4. ASME Boiler and Pressure Vessel Code, Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components." To read: 4. ASME OM Code, "Code for Operation and Maintenance of Nuclear Power Plants."
2031			STD	Pt 04		B, B03.04.06.01	RAI LTR 007 S1 response to RAI 03.09.06-16, item 2	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 2. Technical Specification Bases for SR 3.4.6.1 is revised from: SRs are specified in the Inservice Testing Program. Pressurizer safety valves are to be tested one at a time and in accordance with the requirements of ASME Code Section XI (Ref. 4), which provides the activities and Frequency necessary to satisfy the SRs. To read: SRs are specified in the Inservice Testing Program. Pressurizer safety valves are to be tested one at a time and in accordance with the requirements of ASME OM Code (Ref. 4), which provides the activities and Frequency necessary to satisfy the SRs.
1879			STD	Pt 04		B, B03.04.08 / B3.4.8-02	WEC DCD Rev 17 conforming change	For B3.4.8, LCO, 2nd and 5th paragraphs, revise capitalization of NOTE to Note
179	AP-STD-0124	1	STD	Pt 04		B, B03.04.08 / B3.4.8-04	WEC DCD TR134 Rev 3 - NRC055	Pages B3.4.8-4 - Revise SR 3.4.8.1 to delete the second paragraph as identified in TR134 change NRC055.
1880			STD	Pt 04		B, B03.04.09 / B3.4.9-03	WEC DCD Rev 17 conforming change	For B3.4.9, Actions, insert new first paragraph to discuss Actions Note - "The actions are modified by a Note that indicates that the provisions of LCO 3.0.4 are not applicable. As a result, a MODE change is allowed when leakage detection channels are inoperable. This allowance is provided because in each condition other instrumentation is available to monitor for RCS LEAKAGE."
1881			STD	Pt 04		B, B03.04.09 / B3.4.9-03	WEC DCD Rev 17 conforming change	For B3.4.9, Actions A.1 and A.2, revise capitalization of CONDITION to Condition
2119			STD	Pt 04		B, B03.04.09 / B3.4.9-04	WEC DCD Rev 17 conforming change	For B3.4.9, Actions C.1.1, C.1.2, and C.2, delete last (fourth) paragraph of Bases.
1882			STD	Pt 04		B, B03.04.09 / B3.4.9-05	WEC DCD Rev 17 conforming change	For B3.4.9, Actions, insert new paragraph to discuss Action E.1 - "E.1 With all required monitors inoperable, no automatic means of monitoring leakage is available and plant shutdown in accordance with LCO 3.0.3 is required."
2533			STD	Pt 04		B, B03.04.1 / B3.4.18-5 & 6	Editorial revision for consistency with DCD	Correct Headers to reflect underline.
1883			STD	Pt 04		B, B03.04.11 / B3.4.11-02	WEC DCD Rev 17 conforming change	For B3.4.11, Background, revise times in 6th paragraph from "25" and "70" seconds to "40" and "100" seconds respectively.
1998			STD	Pt 04		B, B03.04.11 /	WEC DCD Rev 17	In TS 3.4.11 Bases for Actions C.1 and C.2, revise the final portion of the first

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
						B3.4.11-03	conforming change	sentence which refers to "...Condition A" to refer to "...Condition A or B"
1884			STD	Pt 04		B, B03.04.11 / B3.4.11-04	DUPLICATE INFO - WEC DCD Rev 17 conforming change	For B3.4.11, SR 3.4.11.3, revise first sentence of second paragraph from "The squib valves will be tested in accordance with ASME Section XI which specifies valve testing in accordance with the ASME OM Code" to "The squib valves will be tested in accordance with the ASME OM Code."
2034			STD	Pt 04		B, B03.04.11 / B3.4.11-04	RAI LTR 007 S1 response to RAI 03.09.06-16, item 4	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 4. Technical Specification Bases for SR 3.4.11.3, second paragraph is revised from: The squib valves will be tested in accordance with ASME Section XI which specifies valve testing in accordance with the ASME OM Code. To read: The squib valves will be tested in accordance with ASME OM Code.
1885			STD	Pt 04		B, B03.04.12 / B3.4.12-02	WEC DCD Rev 17 conforming change	For B3.4.12, SR 3.4.12.1, revise first sentence to omit the parenthetical "(SR 3.4.11.1)"
1886			STD	Pt 04		B, B03.04.14 / B3.4.14-07	DUPLICATE INFO - WEC DCD Rev 17 conforming change	For B3.4.14, SR 3.4.14.4, revise the fourth sentence beginning from "The ASME Code, Section XI, (Ref. 5), test..." to read "The ASME OM Code (Ref. 5) test..."
2035			STD	Pt 04		B, B03.04.14 / B3.4.14-07	RAI LTR 007 S1 response to RAI 03.09.06-16, item 5	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 5. Technical Specification Bases for SR 3.4.14.4, last sentence of first paragraph, is revised from: The ASME Code, Section XI (Ref. 5), test per Inservice Testing Program verifies OPERABILITY by proving proper relief valve mechanical motion and by measuring and, if required, adjusting the lift setpoint. To read: The ASME OM Code (Ref. 5) test per Inservice Testing Program verifies OPERABILITY by proving proper relief valve mechanical motion and by measuring and, if required, adjusting the lift setpoint.
1887			STD	Pt 04		B, B03.04.14 / B3.4.14-08	DUPLICATE INFO - WEC DCD Rev 17 conforming change	For B3.4.14, References, revise reference 5 from ASME Code Section XI to read "ASME OM Code, "Code for Operation and Maintenance of Nuclear-Power Plants.""
2036			STD	Pt 04		B, B03.04.14 / B3.4.14-08	RAI LTR 007 S1 response to RAI 03.09.06-16, item 6	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 6. Technical Specification Bases 3.4.14 Reference 5 is revised from: 5. ASME Boiler and Pressure Vessel Code, Section XI. To read: 5. ASME OM Code, "Code for Operation and Maintenance of Nuclear Power Plants."
1888			STD	Pt 04		B, B03.04.15 / B3.4.15-04	WEC DCD Rev 17 conforming change	For B3.4.15, Action A.2, revise first sentence to read "Required Action A.2 specifies verification that a second OPERABLE PIV can meet the leakage limits."
1889			STD	Pt 04		B, B03.04.15 / B3.4.15-05	DUPLICATE INFO - WEC DCD Rev 17 conforming change	For B3.4.15, SR 3.4.15.1, revise the reference to ASME Code Section XI in the last sentence to read "(ASME) OM Code (Ref. 5)."
1890			STD	Pt 04		B, B03.04.15 / B3.4.15-05	DUPLICATE INFO - WEC DCD Rev 17 conforming change	For B3.4.15, References, revise reference 5 from ASME Code Section XI to read "ASME OM Code, "Code for Operation and Maintenance of Nuclear Power Plants.""
2037			STD	Pt 04		B, B03.04.15 / B3.4.15-05	RAI LTR 007 S1 response to RAI 03.09.06-16, item 7	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 7. Technical Specification Bases for SR 3.4.15.1, last sentence of last paragraph, is revised from: The 24 month Frequency is consistent with 10 CFR 50.55a(g) (Ref. 4) as contained in the Inservice Testing Program and is within frequency allowed by the American

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								Society of Mechanical Engineers (ASME) Code, Section XI (Ref. 5). To read: The 24 month Frequency is consistent with 10 CFR 50.55a(g) (Ref. 4) as contained in the Inservice Testing Program and is within frequency allowed by the American Society of Mechanical Engineers (ASME) OM Code (Ref. 5).
2038			STD	Pt 04		B, B03.04.15 / B3.4.15-05	RAI LTR 007 S1 response to RAI 03.09.06-16, item 8	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 8. Technical Specification Bases 3.4.15 Reference 5 is revised from: 5. ASME Boiler and Pressure Vessel Code, Section XI. To read: 5. ASME OM Code, "Code for Operation and Maintenance of Nuclear Power Plants."
1891			STD	Pt 04		B, B03.04.18 / B3.4.18-02	WEC DCD Rev 17 conforming change	For B3.4.18, ASA, in the next to last paragraph, revise Reference 3 from 10 CFR 100 to 10 CFR 50.34
2540			STD	Pt 04		B, B03.04.18 / B3.4.18-04 & -05	Editorial revision for consistency with WEC DCD GTS	For B3.4.18, ACTIONS, underline the headers "A.1 and A.2" and "B.1 and B.2"
1892			STD	Pt 04		B, B03.04.18 / B3.4.18-07	WEC DCD Rev 17 conforming change	For B3.4.18, References, revise Reference 3 from 10 CFR 100 to 10 CFR 50.34
1893			STD	Pt 04		B, B03.05.01 / B3.5.1-04	WEC DCD Rev 17 conforming change	For B3.5.1, Action A.1, revise first sentence of second paragraph from "...verified once per 24 hours" to read "...verified once per 12 hours"
1894			STD	Pt 04		B, B03.05.05 / B3.5.5-03	WEC DCD Rev 17 conforming change	For B3.5.5, Action D.1, revise last sentence reference to LCO 3.4.4 to reference LCO 3.5.4
1895			STD	Pt 04		B, B03.05.06 / B3.5.6-05	DUPLICATE INFO - WEC DCD Rev 17 conforming change	For B3.5.6, SR 3.5.6.7, revise first sentence of second paragraph from "The squib valves will be tested in accordance with ASME Section XI which specifies valve testing in accordance with the ASME OM Code." to read "The squib valves will be tested in accordance with the ASME OM Code."
2039			STD	Pt 04		B, B03.05.06 / B3.5.6-05	RAI LTR 007 S1 response to RAI 03.09.06-16, item 9	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 9. Technical Specification Bases for SR 3.5.6.7, second paragraph is revised from: The squib valves will be tested in accordance with ASME Section XI which specifies valve testing in accordance with the ASME OM Code. To read: The squib valves will be tested in accordance with the ASME OM Code.
1896			STD	Pt 04		B, B03.06.03 / B3.6.3-09	WEC DCD Rev 17 conforming change	For B3.6.3, SR 3.6.3.5, revise last sentence from "The Frequency of this SR is in accordance with the Inservice Testing Program." to read "The 24 month Frequency is based on the need to perform this Surveillance under the conditions that apply during a plant outage and the potential for an unplanned transient if the Surveillance were performed with the reactor at power. Operating experience has shown that these components usually pass this Surveillance when performed at the 24 month Frequency. Therefore, the Frequency was concluded to be acceptable from a reliability standpoint."
1897			STD	Pt 04		B, B03.06.06 / B3.6.6-05	WEC DCD Rev 17 conforming change	For B3.6.6, Actions D.1 and D.2, revise first sentence from "If any of the Required Actions and associated Completion Times for Condition A or B are not met, or if the LCO is not met for reasons other than Condition A or B, the plant must be brought to a MODE in which the LCO does not apply." to read "If any of the Required Actions and associated Completion Times are not met, or if the LCO is not met for reasons other than Condition A, B, or C, the plant must be brought to a MODE in which the LCO does not apply."
1898			STD	Pt 04		B, B03.06.07 /	WEC DCD Rev 17	For B3.6.7, Actions D.1.1, D.1.2, and D.2, revise first sentence from "Action must be

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
						B3.6.7-02	conforming change	initiated if any of the Required Actions and associated Completion Times for Condition A or B are not met, or if the LCO is not met for reasons other than Condition A or B." to read "Action must be initiated if any of the Required Actions and associated Completion Times are not met, or if the LCO is not met for reasons other than Condition A, B, or C."
1899			STD	Pt 04		B, B03.06.08 / B3.6.8-08	WEC DCD Rev 17 conforming change	For B3.6.8, Figure B 3.6.8-1, revise the figure to remove the brackets and center the figure number and title. Also add Note that states "This figure is for illustration only. Do not use for operation."
1900			STD	Pt 04		B, B03.07.01 / B3.7.1-05	WEC DCD Rev 17 conforming change	For B3.7.1, Action A.1 and A.2, add new last paragraph to read "The allowed Completion Times are reasonable based on operating experience to accomplish the Required Actions in an orderly manner without challenging unit systems."
1901			STD	Pt 04		B, B03.07.01 / B3.7.1-05	DUPLICATE INFO - WEC DCD Rev 17 conforming change	For B3.4.7, SR 3.7.1.1, revise the second sentence to read "The safety and relief valve test are required to be performed in accordance with ASME OM Code (Ref. 5)."
2040			STD	Pt 04		B, B03.07.01 / B3.7.1-05	RAI LTR 007 S1 response to RAI 03.09.06-16, item 10	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 10. Technical Specification Bases for SR 3.7.1.1, second sentence, is revised from: The ASME Code, Section XI (Ref. 4), requires that safety and relief valve tests be performed in accordance with ASME OM Code (Ref. 5). To read: The safety and relief valve tests are required to be performed in accordance with ASME OM Code (Ref. 5).
1485	AP-STD-0290	3	STD	Pt 04		B, B03.07.01 / B3.7.1-06	DUPLICATE INFO - WEC DCD TR134 Rev 5 - NRC343	Change the title of Reference 5 to read, ASME OM Code-1995 and Addenda through the 1996 Addenda, "Code for Operation and Maintenance of Nuclear Power Plants."
2041			STD	Pt 04		B, B03.07.01 / B3.7.1-06	RAI LTR 007 S1 response to RAI 03.09.06-16, item 11	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 11. Technical Specification Bases 3.7.1 Reference 5 is revised from: 5. ASME OM Code-1995 and Addenda through the 1996 Addenda, "Requirements for Inservice Performance Testing of Nuclear Power Plant Pressure Relief Devices in Light Water Reactor Power Plants." To read: 5. ASME OM Code-1995 and Addenda through the 1996 Addenda, "Code for Operation and Maintenance of Nuclear Power Plants."
1902			STD	Pt 04		B, B03.07.02 / B3.7.2-01	WEC DCD Rev 17 conforming change	For B3.7.2, Background, revise first sentence of third paragraph to begin "The MSIVs, turbine stop and control valves, turbine bypass valves, and moisture separator reheater 2nd stage steam isolation valves close..."
1903			STD	Pt 04		B, B03.07.02 / B3.7.2-01	WEC DCD Rev 17 conforming change	For B3.7.2, Background, revise last sentence of fifth paragraph to read "Descriptions for the turbine bypass valves, and moisture separator reheater 2nd stage steam isolation valves are found in the Section 10.4 (Ref. 6)."
1904			STD	Pt 04		B, B03.07.02 / B3.7.2-02	WEC DCD Rev 17 conforming change	For B3.7.2, Applicable Safety Analysis, revise reference to "moisture separator reheat supply steam control valves" in first sentence of fifth paragraph to read "moisture separator reheater 2nd stage steam isolation valves"
1905			STD	Pt 04		B, B03.07.02 / B3.7.2-02	WEC DCD Rev 17 conforming change	For B3.7.2, Applicable Safety Analysis, revise reference to "moisture separator reheat supply steam control valves" in last sentence of fifth paragraph to read "moisture separator reheater 2nd stage steam isolation valves"
1906			STD	Pt 04		B, B03.07.02 / B3.7.2-03	WEC DCD Rev 17 conforming change	For B3.7.2, LCO, revise reference to " four moisture separator reheat supply steam control valve" in first sentence of second paragraph to read "two moisture separator reheater 2nd stage steam isolation valves"
1907			STD	Pt 04		B, B03.07.02 /	WEC DCD Rev 17	For B3.7.2, LCO, in last sentence of third paragraph, revise reference to 10 CFR 100



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
						B3.7.2-04	conforming change	to reference 10 CFR 50.34
1908			STD	Pt 04		B, B03.07.02 / B3.7.2-04	WEC DCD Rev 17 conforming change	For B3.7.2, Applicability, revise reference to "moisture separator reheat supply steam control valves" in first sentence of first paragraph to read "moisture separator reheater 2nd stage steam isolation valves"
1909			STD	Pt 04		B, B03.07.02 / B3.7.2-05	WEC DCD Rev 17 conforming change	For B3.7.2, Actions B.1, revise reference to "moisture separator reheat supply steam control valves" in first sentence of first paragraph to read "moisture separator reheater 2nd stage steam isolation valves"
1910			STD	Pt 04		B, B03.07.02 / B3.7.2-06	WEC DCD Rev 17 conforming change	For B3.7.2, SR 3.7.2.1, revise the reference to ASME Code Section XI in the last sentence of the first paragraph to read "ASME OM Code (Ref. 7)"
2042			STD	Pt 04		B, B03.07.02 / B3.7.2-06	RAI LTR 007 S1 response to RAI 03.09.06-16, item 12	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 12. Technical Specification Bases for SR 3.7.2.1, last sentence of first paragraph, is revised from: As the MSIVs are not tested at power, they are exempt from the ASME Code, Section XI (Ref. 7), requirements during operation in MODE 1 or 2. To read: As the MSIVs are not tested at power, they are exempt from the ASME OM Code (Ref. 7) requirements during operation in MODE 1 or 2.
1911			STD	Pt 04		B, B03.07.02 / B3.7.2-07	DUPLICATE INFO - WEC DCD Rev 17 conforming change	For B3.7.2, References, revise reference 7 from ASME Code Section XI to read "ASME OM Code, "Code for Operation and Maintenance of Nuclear Power Plants.""
2043			STD	Pt 04		B, B03.07.02 / B3.7.2-07	RAI LTR 007 S1 response to RAI 03.09.06-16, item 13	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 13. Technical Specification Bases for SR 3.7.2.2, last sentence of first paragraph, is revised from: As the alternate downstream valves are not tested at power, they are exempt from the ASME Code, Section XI (Ref. 7), requirements during operation in MODE 1 or 2. To read: As the alternate downstream valves are not tested at power, they are exempt from the ASME OM Code (Ref. 7) requirements during operation in MODE 1 or 2.
2044			STD	Pt 04		B, B03.07.02 / B3.7.2-07	RAI LTR 007 S1 response to RAI 03.09.06-16, item 14	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 14. Technical Specification Bases 3.7.2 Reference 7 is revised from: 7. ASME Boiler and Pressure Vessel Code, Section XI. To read: 7. ASME OM Code, "Code for Operation and Maintenance of Nuclear Power Plants."
2120			STD	Pt 04		B, B03.07.02 / B3.7.2-07	WEC DCD Rev 17 conforming change	For B3.7.2, SR 3.7.2.2, revise reference to "moisture separator reheat supply steam control valves" in first sentence to read "moisture separator reheater 2nd stage steam isolation valves" Also, later in the paragraph, revise "ASME Code, Section XI (Ref. 7)" to read "ASME OM Code (Ref. 7)"
1912			STD	Pt 04		B, B03.07.03 / B3.7.3-04	DUPLICATE INFO - WEC DCD Rev 17 conforming change	For B3.7.3, SR 3.7.3.1, revise the reference to ASME Code Section XI in the last sentence of the first paragraph to read "ASME OM Code (Ref. 2)"
1913			STD	Pt 04		B, B03.07.03 / B3.7.3-04	DUPLICATE INFO - WEC DCD Rev 17 conforming change	For B3.7.3, References, revise reference 2 from ASME Code Section XI to read "ASME OM Code, "Code for Operation and Maintenance of Nuclear Power Plants.""
2045			STD	Pt 04		B, B03.07.03 / B3.7.3-04	RAI LTR 007 S1 response to RAI 03.09.06-16, item 15	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 15. Technical Specification Bases for SR 3.7.3.1, last sentence of first paragraph, is revised from:

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								This is consistent with the ASME Code, Section XI (Ref. 2), quarterly stroke requirements during operation in MODE 1 or 2. To read: This is consistent with the ASME OM Code (Ref. 2) quarterly stroke requirements during operation in MODE 1 or 2.
2046			STD	Pt 04		B, B03.07.03 / B3.7.3-04	RAI LTR 007 S1 response to RAI 03.09.06-16, item 16	COLA Part 4, Technical Specifications and Bases, are revised as indicated below. 16. Technical Specification Bases 3.7.3 Reference 2 is revised from: 2. ASME Boiler and Pressure Vessel Code, Section XI. To read: 2. ASME OM Code, "Code for Operation and Maintenance of Nuclear Power Plants."
1914			STD	Pt 04		B, B03.07.06 / B3.7.6-02	WEC DCD Rev 17 conforming change	For B3.7.6, ASA, revise the second paragraph to read "Operation of the VES is automatically initiated by the following safety related signals: 1) high-2 particulate or iodine radioactivity or 2) low pressurizer pressure."
1915			STD	Pt 04		B, B03.07.06 / B3.7.6-02	WEC DCD Rev 17 conforming change	For B3.7.6, ASA, revise the third sentence of the fourth paragraph to begin "Upon high-2 particulate or iodine radioactivity setpoint, or low pressurizer pressure, a safety related signal..."
1916			STD	Pt 04		B, B03.07.09 / B3.7.9-04	WEC DCD Rev 17 conforming change	For B3.7.9, SR 3.7.9.3, revise the last sentence to begin "Manual valves SFS-PL-V042, SFS-PL-V045, SFS-PL-V049, SFS-PL-V066, and SFS-PL-V068 isolate..."
1917			STD	Pt 04		B, B03.08.01 / B3.8.1-01	WEC DCD Rev 17 conforming change	For B3.8.1, Background, revise the reference to "125 VDC" in the first sentence of the second paragraph to reference "250 VDC"
1918			STD	Pt 04		B, B03.08.01 / B3.8.1-01	WEC DCD Rev 17 conforming change	For B3.8.1, Background, revise the last three sentences of the second paragraph to read "A battery bank consists of two battery strings connected in series. Each battery string consists of 60 cells connected in series. Divisions A and D each have one 2400 ampere hour battery bank and Divisions B and C each have two 2400 ampere hour battery banks."
1919			STD	Pt 04		B, B03.08.01 / B3.8.1-02	WEC DCD Rev 17 conforming change	For B3.8.1, Background, revise the reference to "125 VDC" in the first sentence of the fourth paragraph to reference "250 VDC"
1920			STD	Pt 04		B, B03.08.01 / B3.8.1-02	WEC DCD Rev 17 conforming change	For B3.8.1, Background, revise the reference to "125 VDC" in the first sentence of the eighth paragraph to reference "250 VDC"
1921			STD	Pt 04		B, B03.08.01 / B3.8.1-02	WEC DCD Rev 17 conforming change	For B3.8.1, Background, revise the reference to "128 V per battery" in the second sentence of the ninth paragraph to reference "256 V per battery"
1922			STD	Pt 04		B, B03.08.01 / B3.8.1-02	WEC DCD Rev 17 conforming change	For B3.8.1, ASA, revise the reference to "125 volts" in the first sentence of the first paragraph to reference "250 volts"
1923			STD	Pt 04		B, B03.08.01 / B3.8.1-05	WEC DCD Rev 17 conforming change	For B3.8.1, Actions A.1, A.2, and A.3, revise the reference to "[5] amps" in the first sentence of the sixth paragraph to reference "2 amps" - note removal of the brackets
1924			STD	Pt 04		B, B03.08.01 / B3.8.1-05	WEC DCD Rev 17 conforming change	For B3.8.1, Actions A.1, A.2, and A.3, revise the reference to "[5] amps" in the last sentence of the sixth paragraph to reference "2 amps" - note removal of the brackets
1925			STD	Pt 04		B, B03.08.01 / B3.8.1-06	WEC DCD Rev 17 conforming change	For B3.8.1, Actions B.1, B.2, and B.3, revise the reference to "[5] amps" in the first sentence of the fourth paragraph to reference "2 amps" - note removal of the brackets
1926			STD	Pt 04		B, B03.08.01 / B3.8.1-06	WEC DCD Rev 17 conforming change	For B3.8.1, Actions B.1, B.2, and B.3, revise the reference to "[5] amps" in the last sentence of the fourth paragraph to reference "2 amps" - note removal of the brackets

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
1927			STD	Pt 04		B, B03.08.01 / B3.8.1-09	WEC DCD Rev 17 conforming change	For B3.8.1, SR 3.8.1.2, revise the reference to "400 amps" in the first sentence of the second paragraph to reference "200 amps"
1928			STD	Pt 04		B, B03.08.01 / B3.8.1-10	WEC DCD Rev 17 conforming change	For B3.8.1, SR 3.8.1.2, revise the reference to "[2] amps" in the last sentence of the third paragraph to reference "2 amps" - note removal of the brackets
1929			STD	Pt 04		B, B03.08.01 / B3.8.1-11	WEC DCD Rev 17 conforming change	For B3.8.1, SR 3.8.1.3, delete the fifth paragraph which duplicates the third paragraph
1930			STD	Pt 04		B, B03.08.02 / B3.8.2-04	WEC DCD Rev 17 conforming change	For B3.8.2, SR 3.8.2.1, revise the reference to "SR 3.8.1.8" in the first sentence to reference "SR 3.8.1.3"
1931			STD	Pt 04		B, B03.08.03 / B3.8.3-01	WEC DCD Rev 17 conforming change	For B3.8.3, Background, revise the reference to "125 VDC" in the last sentence of the first paragraph to reference "250 VDC"
1932			STD	Pt 04		B, B03.08.03 / B3.8.3-01	WEC DCD Rev 17 conforming change	For B3.8.3, Background, revise the reference to "125 VDC" in the second sentence of the second paragraph to reference "250 VDC"
1933			STD	Pt 04		B, B03.08.03 / B3.8.3-02	WEC DCD Rev 17 conforming change	For B3.8.3, LCO, revise the reference to "125 VDC" in the third paragraph to reference "250 VDC"
1934			STD	Pt 04		B, B03.08.04 / B3.8.4-02	WEC DCD Rev 17 conforming change	For B3.8.4, LCO, revise the reference to "125 VDC" in the third sentence of the first paragraph to reference "250 VDC"
1935			STD	Pt 04		B, B03.08.05 / B3.8.5-01	WEC DCD Rev 17 conforming change	For B3.8.5, Background, revise the references to "125 VDC" in the first AND second sentences of the third paragraph to reference "250 VDC"
1936			STD	Pt 04		B, B03.08.05 / B3.8.5-11	WEC DCD Rev 17 conforming change	For B3.8.5, Table B 3.8.5-1, revise the VOLTAGE for the DC Buses and for the DC Distribution Panels from "125 Vdc" to read "250 Vdc"
1937			STD	Pt 04		B, B03.08.07 / B3.8.7-02	WEC DCD Rev 17 conforming change	For B3.8.7, Actions B.1 and B.2, revise the reference from "[5] amps" in the first sentence of the first paragraph to reference "2 amps" - note removal of the brackets
1938			STD	Pt 04		B, B03.08.07 / B3.8.7-05	WEC DCD Rev 17 conforming change	For B3.8.7, Actions F.1, revise the reference from "[5] amps" in the next to last sentence to reference "2 amps" - note removal of the brackets
1939			STD	Pt 04		B, B03.08.07 / B3.8.7-05	WEC DCD Rev 17 conforming change	For B3.8.7, SR 3.8.7.1, revise the reference from "[2] amps" in the last sentence of the second paragraph to reference "2 amps" - note removal of the brackets
1940			STD	Pt 04		B, B03.08.07 / B3.8.7-05	WEC DCD Rev 17 conforming change	For B3.8.7, SR 3.8.7.2 and SR 3.8.7.5, revise the reference from "132.0 V" in the first sentence to reference "264.0 V"
1941			STD	Pt 04		B, B03.09.02 / B3.9.2-01	WEC DCD Rev 17 conforming change	For B3.9.2, Applicability, revise reference to LCO 3.1.9 title to read "Chemical and Volume Control System (CVS) Demineralized Water Isolation Valves and Makeup Line Isolation Valves,"
1942			STD	Pt 04		B, B03.09.02 / B3.9.2-02	WEC DCD Rev 17 conforming change	For B3.9.2, SR 3.9.2.1, revise reference to "31 days" to read "72 hours"
1486	AP-STD-0291	3	STD	Pt 04		B, B03.09.07 / B3.9.7-01	WEC DCD TR134 Rev 5 - NRC236	In the second paragraph of the section titled Applicable Safety Analyses, third line, change "100 hours." to "48 hours."
1943			STD	Pt 04		B, B03.09.07 / B3.9.7-01	WEC DCD Rev 17 conforming change	For B3.9.7, Applicability, revise reference to "LCO 3.7.11, "Fuel Storage Pool Water Level."" to read "LCO 3.7.5, "Spent Fuel Pool Water Level.""
<b>Pt 05</b>								<b>33 COLA Changes</b>
2098			BLN	Pt 05	Onsite	-Introduction		Introductory Section: 2nd page, table - add line to include Bellefonte Evacuation Time Estimate Supplement 1
1318			BLN	Pt 05	Onsite	II.A /II-02	RAI LTR 122 response to	1. COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							RAI 13.03-18, item 1	Plan, Section II.A, Footnote 2 will be revised from: Emergency Coordinator To read: Site Emergency Director
1322			BLN	Pt 05	Onsite	II.A / II-05	RAI LTR 122 response to RAI 13.03-20, item 1	1. COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency Plan Section II.A.1.b, second paragraph under the heading DHS/FEMA will be revised from: National Response Plan To read: National Response Framework
1323			BLN	Pt 05	Onsite	II.A / II-07	RAI LTR 122 response to RAI 13.03-20, item 2 [NOTE- correct section for revision is II.A.3.]	2. COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency Plan Section II.A.1.e.3, second paragraph will be revised from: National Response Plan To read: National Response Framework
1320			BLN	Pt 05	Onsite	II.A / II-09	RAI LTR 122 response to RAI 13.03-18, item 3	3. COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency Plan, Figure II-1 will be revised to add DOE to the Federal Support Block as follows: Federal Support NRC/DHS/DOE
1321			BLN	Pt 05	Onsite	II.A / II-09	RAI LTR 122 response to RAI 13.03-18, item 4	4. COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency Plan, Figure II-1 will be revised to indicate the Field Monitoring Teams report back directly to the TSC.
1732			BLN	Pt 05	Onsite	II.B / II-12	RAI LTR 122S response to RAI 13.03-19, item 1	1. COLA Part 5, BLN Emergency Plan, Section II.B.5, will be revised to include additional information addressing the responsibilities of key members of the TSC and OSC staff.
1733			BLN	Pt 05	Onsite	II.B / II-12	RAI LTR 122S response to RAI 13.03-19, item 2	2. COLA Part 5, BLN Emergency Plan, Section II.B.7, will be revised to add the responsibilities of key members of the CECC staff.
1734			BLN	Pt 05	Onsite	II.B / II-14	RAI LTR 122S response to RAI 13.03-19, item 3	3. COLA Part 5, BLN Emergency Plan, Section II.B.8, first paragraph, will be revised To read: The principal contractor and private sector organization that are part of the overall response organization are: • Hollywood Volunteer Fire Department. • Highlands Medical Center Emergency Medical Services. • Westinghouse Electric Company. • Designated engineering/technical services support firms.
1319			BLN	Pt 05	Onsite	II.B / II-15	RAI LTR 122 response to RAI 13.03-18, item 2	2. COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency Plan, Figure II-2 will be revised as follows: Emergency Coordinator (TSC) To read: Site Emergency Director (TSC)
1737			BLN	Pt 05	Onsite	II.B / II-15	RAI LTR 122S response to RAI 13.03-19, item 6	6. COLA Part 5, BLN Emergency Plan, Figure II-2, will be replaced with an updated BLN Emergency Response Organization for the TSC and OSC.
2099			BLN	Pt 05	Onsite	II.B / II-15	RAI LTR 122S response to RAI 13.03-19, item 6 and 7 revised by this item.	6. COLA Part 5, BLN Emergency Plan, Figure II-2, was replaced with an updated BLN Emergency Response Organization for the TSC and OSC. Add Notes (a) and (b) to bottom of Page 2 of 2 of this figure. Remove the same notes from Figure II-3.
1738			BLN	Pt 05	Onsite	II.B / II-16	RAI LTR 122S response to	7. COLA Part 5, BLN Emergency Plan, Figure II-3, will be replaced with an updated

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							RAI 13.03-19, item 7	figure for Offsite Emergency Organization.
1735			BLN	Pt 05	Onsite	II.B / II-17	RAI LTR 122S response to RAI 13.03-19, item 4	4. COLA Part 5, BLN Emergency Plan, Table II-2, in the column "Targeted Capability for Addition," the row for "CECC Director" will be revised to show Targeted Capability for Addition at 60 min
1736			BLN	Pt 05	Onsite	II.B / II-17	RAI LTR 122S response to RAI 13.03-19, item 5	5. COLA Part 5, BLN Emergency Plan, Table II-2, the row for "Dose Assessment" will be revised to show Senior Radiation Protection individual on-shift.
1324			BLN	Pt 05	Onsite	II.C / II-19	RAI LTR 122 response to RAI 13.03-20, item 3	3. COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency Plan Section II.C.1.a will be revised from: The CECC Director or Radiological Assessment Manager may request FRMAC assistance directly or through the NRC (Federal Coordinating Agency). To read: The CECC Director or Radiological Assessment Manager may request FRMAC assistance through the NRC (Federal Coordinating Agency).
1327			BLN	Pt 05	Onsite	II.H /II-36	RAI LTR 122 response to RAI 13.03-25	COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency Plan Section II.H.1 will be revised from: The SPDS function is described in Subsection 18.4 of the DCD. To read: The SPDS function is described in Subsection 18.8.2 of the DCD.
1325			BLN	Pt 05	Onsite	III.A.5	RAI LTR 122 response to RAI 13.03-20, item 4	4. COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency Plan Section III, References and Appendices, Reference 5 will be changed from: U.S. Department of Homeland Security, "National Response Plan," December 2004 To read: U.S. Department of Homeland Security, "National Response Framework," January 2008
2109			BLN	Pt 05	Onsite	III.A.8	WEC DCD Rev 17 conforming item	COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency Plan Section III, References and Appendices, Reference 8 revision and date are updated to Revision 17, August, 2008.
1252	BLN-0005	0	BLN	Pt 05	Onsite	x-App03, 5.0.4	This reference inadvertently not removed during draft revision of the EP.	Delete Reference 4 on Page A3-5.
1256	BLN-0009	0	BLN	Pt 05	Onsite	x-App07	TVA letter dated January 8, 2008	Add TEMA and GEMA certification letters to EP Appendix 7
1326			BLN	Pt 05	Onsite	x-App07	RAI LTR 122 response to RAI 13.03-20, item 5	5. COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency Plan Appendix 7 will be revised to include the following information: A Letter of Agreement with the Institute of Nuclear Power Operations (INPO) will be included in this Appendix prior to receipt of nuclear fuel at the site. A Letter of Agreement with the Westinghouse Electric Company (WEC) will be included in this Appendix prior to receipt of nuclear fuel at the site. A Letter of Agreement with the Radiation Emergency Assistance Center/Training Site (REAC/TS) will be included in this Appendix prior to receipt of nuclear fuel at the site.
1328			BLN	Pt 05	Onsite	x-App07	RAI LTR 122 response to RAI 13.03-29	COLA Part 5, Bellefonte Nuclear Plant Units 3 & 4 COL Application Emergency Plan Appendix 7 will be revised to include the following information:  A Letter of Agreement with each medical support provider will be included in this Appendix prior to receipt of nuclear fuel at the site.
1739			BLN	Pt 05	Onsite	x-App09	RAI LTR 122S response to	COLA Part 5, Bellefonte Nuclear Plant, Units 3 & 4 COL Application Emergency Plan,

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							RAI 13.03-25	Appendix 9 will be revised to include a new section:  Local Recovery Center (1) The Local Recovery Center is located at the Bellefonte Training Center and operational within two hours of being notified that the NRC Regional Administrator and site team are departing for a site. (2) The same data available at the EOF is available at the Local Recovery Center. (3) At least 1500 square feet is designated to accommodate the NRC site team and a FEMA liaison individual with an appropriate TVA complement. The space is configured to provide for: a work area for EOF personnel; EOF data system equipment needed to receive and transmit data from/to other locations; performing repair, maintenance, and service equipment, displays and instrumentation; ready access to communications equipment by the EOF personnel who need communications capabilities to perform their functions; and ready access to functional displays of EOF data and to displays of plant records and historical data
2096			BLN	Pt 05	Onsite	z-ETE Supp	RAI LTR 069 responses to RAIs	COLA Part 5, Emergency Plan, ETE will be updated via Supplement that will include the changes identified in RAI response letters such as LTR 069. The Bellefonte ETE Report is not directly revised.
777			BLN	Pt 05	Onsite	z-ETE Supp 1	RAI LTR 069 response to RAI 13.03-01	COLA Part 5, Emergency Plan, ETE will be updated to reflect a revised ETE Figure 3-1. The change is provided in the enclosed Supplement 1 to the Bellefonte ETE Report which is included as Attachment 13.03-01A.
778			BLN	Pt 05	Onsite	z-ETE Supp 1	RAI LTR 069 response to RAI 13.03-02	COLA Part 5, Emergency Plan, ETE will be updated to reflect a change to Section 2.3, Assumption 5 (page 2-5). The change is provided in the enclosed Supplement to the Bellefonte ETE which is included as Attachment 13.03-01A
781			BLN	Pt 05	Onsite	z-ETE Supp 1	RAI LTR 069 response to RAI 13.03-04	COLA Part 5, Emergency Plan, ETE will be updated to reflect a change to Tables 8-2 and 8-4 and Figures 3-6 and 3-7. The change is provided in the enclosed Supplement 1 to the Bellefonte ETE Report which is included as Attachment 13.03-01A.
783			BLN	Pt 05	Onsite	z-ETE Supp 1	RAI LTR 069 response to RAI 13.03-06	COLA Part 5, Emergency Plan, ETE will be updated to reflect a change to the table on page E-8. The change is provided in the enclosed Supplement 1 to the Bellefonte ETE Report which is included as Attachment 13.03-01A.
784			BLN	Pt 05	Onsite	z-ETE Supp 1	RAI LTR 069 response to RAI 13.03-07	COLA Part 5, Emergency Plan, ETE will be updated to reflect a change to Tables 8-4. The change is provided in the enclosed Supplement 1 to the Bellefonte ETE Report which is included as Attachment 13.03-01A.
785			BLN	Pt 05	Onsite	z-ETE Supp 1	RAI LTR 069 response to RAI 13.03-08	COLA Part 5, Emergency Plan, ETE will be updated to provide GIS maps as Figures E-1 through E-4. The change is provided in the enclosed Supplement 1 to the Bellefonte ETE Report which is included as Attachment 13.03-01A.
788			BLN	Pt 05	Onsite	z-ETE Supp 1	RAI LTR 069 response to RAI 13.03-10	COLA Part 5, Emergency Plan, ETE will be updated to reflect a change to Figure 1-2. The change is identified as part of the enclosed Supplement 1 to the Bellefonte ETE Report which is included as Attachment 13.03-01A. However, due to its size, the figure is separately provided in electronic format as Attachment 13.03-10A.
791			BLN	Pt 05	Onsite	z-ETE Supp 1	RAI LTR 069 response to RAI 13.03-13	COLA Part 5, Emergency Plan, ETE will be updated to include: 1) Updated and corrected tables and figures in ETE Section 5, including explanatory text 2) Corrected ETE Table 7-2 3) Section 8.3 and Table 8-4 4) Table 8-2 and table on page E-3 These changes are provided in the enclosed Supplement 1 to the Bellefonte ETE

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								Report which is included as Attachment 13.03-01A.
<b>Pt 07</b>								<b>15 COLA Changes</b>
1258	BLN-0011	2	BLN	Pt 07		A	Editorial - The acronym DCD is incorrectly defined as Design "Change" Document	Revise "Design Change Document (DCD)" to read "Design Control Document (DCD)."
2252			BLN	Pt 07		A / DEP listing	Unit 3 transformer relocation	Add departure for relocation of transformers for Unit 3: A. Departure Listing BLN DEP 8.2-1 Unit 3 transformer area arrangement
2255			STD	Pt 07		A.1	NRC conformance	1) Add new Subsection, A.1 followed by table listing: A.1 Departures That Can Be Implemented Without Prior NRC Approval 2) Add table listing following new subsection A.1: Departure Number Description STD DEP 1.1-1 Administrative departure for organization and numbering for the FSAR sections BLN DEP 8.2-1 Unit 3 transformer area arrangement BLN DEP 9.2-1 Service Water System (SWS) blowdown flow path
2258			STD	Pt 07		A.1 & A.2	NRC conformance	Add statement at end of each departure to identify the need for NRC prior approval
2259			STD	Pt 07		A.1 & A.2	Editorial formatting	Add page continuation headers to accommodate NRC prior approval statements at the end of each departure.
1079	AP-STD-0239	2	STD	Pt 07		A.1 / DEP 1.1-1	STD DEP 1.1-1 lists subsection numbers (e.g., Chapter 2) that may not be standard for all applicants.	For STD DEP 1.1-1, in the paragraph beginning "Affected DCD/FSAR Sections," add the following at the end of the section listing: "(Note the affected sections may vary in subsequent COL applications, but the departure is standard.)"
2286			STD	Pt 07		A.1 / DEP 1.1-1	Text of Subsection 1.1.6.1 is not part of the departure. It only introduces the departure.	Remove reference to FSAR Subsection 1.1.6.1 due to revision of LMA per Qb 1076.
2253			BLN	Pt 07		A.1 / DEP 8.2-1	Include transformer relocation for Unit 3	Add Departure Number: BLN DEP 8.2-1 Affected DCD/FSAR Sections: DCD Figure 1.2-2, Figure 12.3-1 (Sheet 2 of 16), Figure 12.3-2 (Sheet 2 of 15), Figure 12.3-3 (Sheet 2 of 16) / FSAR Figure 1.1-202, Figure 8.2-202 Summary of Departure: In Revision 17 of the DCD the transformer area was rearranged to simplify the design. The transformer area contains the main stepup transformers, the unit auxiliary transformers, and the reserve auxiliary transformers. This rearrangement is implemented for BLN Unit 4; however, it is not implemented for BLN Unit 3. BLN Unit 3 retains the transformer area arrangement as presented in Revision 16 of the DCD. Retention of the transformer area arrangement as presented in Revision 16 of the DCD is a departure for BLN Unit 3 only.
2277			BLN	Pt 07		A.1 / DEP 8.2-1	DUPLICATE of Qb 2253 - RAI LTR 135 response to RAI 08.02-09, item 2	2- COLA Part 7, Departures and Exemptions, will be revised to add Departure Number BLN DEP 8.2-1 as indicated.
2254			BLN	Pt 07		A.1 / DEP 9.2-1	Consistency with other departures	For BLN DEP 9.2-1, the subheading of "Extent/Scope of Departure:" should be revised to "Scope/Extent of Departure:"
2256			BLN	Pt 07		A.2	NRC conformance	1) Add new Subsection, A.2, before Departure Number: BLN DEP 18.8-1

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								summary/description of "A.2. Departures That Require NRC Approval Prior to Implementation" 2) Add table listing following subsection title A.2:  Departure Number Description BLN DEP 18.8-1 Emergency Response Facility locations
2101			BLN	Pt 07		B	Editorial - consistency	Change Header from Bellefonte Units 3 and 4 to Bellefonte Units 3 & 4
2102			BLN	Pt 07		B.1	Editorial	Remove stray character following first full paragraph (a). Remove ' ' from spacing line between paragraphs.
159	AP-STD-0104	1	STD	Pt 07		B.2	Editorial - correction of missing word	Correct the quotation from the regulation in the first full paragraph (10 CFR Part 52, Appendix D, Section IV.A) by adding the word "combined" between "An applicant for a" and "license that wishes to reference..."
1067	AP-STD-0227	2	STD	Pt 07		B.2	The acronym DCD is incorrectly defined as Design "Change" Document	Revise Exemption 2, first sentence under "Discussion" from "Design Certification Document (DCD)" to read "Design Control Document (DCD)"
<b>Pt 09</b>								<b>17 COLA Changes</b>
2231			BLN	Pt 09		09.00-General	NRC Guidance; Part 9 comment #1	Page Headers from Part 1: Change headers to read "Withhold"
2494			BLN	Pt 09		09.01-01.03.02/01.03.03	Updated Financial Information	Update text to reflect updated financial information.
2137			BLN	Pt 09		09.01-01.03.03	Update Estimated Costs	Section 1.3.3, Revise text from: The projected costs for the construction of two AP1000 nuclear units at the BLN site are outlined below. Tables 1.3-1 and 1.3-2 outline the projected costs for a first and second unit at the BLN site in constant 2007 dollars. To read: The projected costs for the construction of two AP1000 nuclear units at the BLN site are outlined below. Tables 1.3-1 and 1.3-2 outline the projected costs for a first and second unit at the BLN site in constant 2008 dollars.
2093			BLN	Pt 09		09.01-01.03.T / T1.3-1 to 1.3-4	Update Estimated Costs	Updated proprietary cost data
2106			BLN	Pt 09		09.02-01.02F / F1.2-201	WEC DCD Rev 17 conforming change	COLA Part 9, Withheld Information, is revised to reflect changes to DCD figure 1.2-18, in WEC DCD Rev 17, except that Room 40318 should be only ALARA BRIEFING RM.
636			BLN	Pt 09		09.02-02.02.T / T2.2-203	RAI LTR 036, response to 02.02.03-03, item 5	5. COLA Part 9, Withheld Information, will be revised to include a complete Table 2.2-203 as shown in Attachment 02.02.03-03A.
650			BLN	Pt 09		09.02-02.02.T / T2.2-215	RAI LTR 036, response to 02.02.03-04, item 6	6. COLA Part 9, Withheld Information, will be revised to include a complete Table 2.2-215 as shown in Attachment 02.02.03-04A.
2160			BLN	Pt 09		09.02-02.02.T / T2.2-216	Editorial, grammar correction. Years should be singular, because only one year is specified (2003).	Change the title of Table 2.2-216 from: Barge Movements Past Mile Point 391 on the Tennessee River for Calendar Years 2003 To read: Barge Movements Past Mile Point 391 on the Tennessee River for Calendar Year 2003



Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
630			BLN	Pt 09		09.02-02.02.T / T2.2-216, -217, -220, -221, -222, & -223	RAI LTR 036, response to 02.02.03-01, item 6	6. COLA Part 9, Withheld Information, will be revised to include complete new Tables 2.2-216, 2.2-217, 2.2-220, 2.2-221, 2.2-222, and 2.2-223 as shown in Attachment 02.02.03-01A.
2161			BLN	Pt 09		09.02-02.02.T / T2.2-217	Editorial, grammar correction. Years should be singular, because only one year is specified (2004).	Change the title of Table 2.2-217 from: Barge Movements Past-Mile Point 391 on the Tennessee River for Calendar Years 2004  To read: Barge Movements Past Mile Point 391 on the Tennessee River for Calendar Year 2004
2232			BLN	Pt 09		09.02-02.02.T / T2.2-220	Editorial corrections	1. Center all info in "Styrene" column 2. Put parentheses around units [(tons), (miles)] 3. Change "Dist" to "Distance" (3 places) 4. Indent "Cargo Size," "Distance to Overpressure," and "At Risk Length," as well as Revised Cargo Size, etc. so that the section headers are more prominent.
2233			BLN	Pt 09		09.02-02.02.T / T2.2-221	Editorial corrections	1. Center info in the "Year" column or move header to left justified. 2. Make some of the columns narrower, so that the Commodity column will accommodate "Sodium Hydroxide Soln" on one line. 3. Use a dotted underline above the "Totals" line, to separate it from the Sodium Hydroxide info (for 2003 & 2004). 4. Use an extra return before the first "2004" line to separate it from the 2003 data.
2234			BLN	Pt 09		09.02-02.02.T / T2.2-222	Editorial corrections	In the two columns for f', delete the extra space between "spills" and "/mile" in the units designation.
2163			BLN	Pt 09		09.02-02.02T / T2.2-215	Editorial correction.	Change the Item number for Caustic potash liquid from "61766" to "67166."
1975			BLN	Pt 09		09.02-02.04.01.T / T2.4.1-202	To reflect changes to ER Table 2.3-31 provided in response to ER RAI 2.3-5 in TVA's ER LTR 20, (Letter from Jack A. Bailey (TVA) to NRC Document Control Desk, "Bellefonte Combined License Application - Response to Environmental Report Request For Additional Information - Hydrology," dated August 4, 2008 [ML082190359].)	Change FSAR Table 2.4.1-202, Local Surface Water Users - Gunter'sville Watershed Area, to include use category, average monthly withdrawal and discharge rates, and average consumption rates, to correspond to the changes to ER Table 2.3-31, as provided in the TVA response to Environmental Report RAI 2.3-5. NOTE: Because some information in FSAR Table 2.4.1-202 is considered sensitive, a redacted version of this table is provided in COLA Part 2, FSAR, and the full version of the table is provided in COLA Part 9, Withheld Information.
1802			BLN	Pt 09		09.02-09A / F9A-201	WEC DCD Rev 17 conforming change	6. COLA Part 9, Withheld Information, is revised to reflect changes to DCD figure 9A-3, Sheet 1 of 3, in WEC DCD Rev 17.
2107			BLN	Pt 09		09.02-12.03 / F12.3-201, -202, -203	WEC DCD Rev 17 conforming change	COLA Part 9, Withheld Information, is revised to reflect changes to DCD Figure 12.3-1, Sheet 11 of 16, Figure 12.3-2, Sheet 11 of 15, and Figure 12.3-3, Sheet 11 of 16, respectively, in WEC DCD Rev 17.
<b>Pt 10</b>								<b>41 COLA Changes</b>
1259	BLN-0012	2	BLN	Pt 10		LC#00 / LC-0 Title	Editorial - Consistency	Remove "Combined" from heading on title page and on page LC-1

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
						page & LC-1	throughout COLA	
127	AP-STD-0069	1	STD	Pt 10		LC#02	SUPERSEDED by Qb 913 - Editorial - correction of Table reference and Correction - to reflect proper Holder items not included in the proposed LC (because they are fully addressed in the COLA)	Change the last two sentences of the description of proposed COL condition number 2, "COL Holder Items" be revised from: "Holder items (per DCD Table 1.8.2) that are addressed by the COLA are not included in the proposed condition. These include COL information item numbers 3.11-1, 6.3.2, and 12.3-1." to: "Holder items (per DCD Table 1.8-2) that are addressed by the COLA are not included in the proposed condition. These include COL information item numbers 3.11-1, 9.5-6, and 10.1-1."
913			STD	Pt 10		LC#02	RAI LTR 060 response to RAI 07.09-01	COLA Part 10, License Condition 2, COL Holder Items, the last sentence of first paragraph will be revised from: (Note: The following sentence includes changes made by errata revision 1.) These include COL information item numbers 3.11-1, 9.5-6, and 10.1-1. To read: These include COL information item numbers 3.11-1, 9.5-6, 10.1-1, and 13.6-5.
1069	AP-STD-0229	2	STD	Pt 10		LC#02	Consistency of references to License Conditions	In License Condition 2, COL HOLDER ITEMS, 4th sentence, change "the following Combined License Condition is proposed..." to "the following License Condition is proposed..."
1494	AP-STD-0299	3	STD	Pt 10		LC#02	SUPERSEDED by Qb 913. Conforming change per TR134, Rev. 5, Item NRC 268. Add cyber security program as a COL holder item.	Revise the last sentence of the first paragraph of LC#2, COL Holder Items, to read as follows: "These include COL information item numbers 3.11-1, 9.5-6, 10.1-1, and 13.6-5."
164	AP-STD-0109a	1	STD	Pt 10		LC#02, 03.06-01	SUPERSEDED by Qb 1825 - DCD conforming changes per TVA letter dated January 14, 2008	Revise LC#2 COL Holder Items 3.6-1 and 3.9-2 in accordance with Enclosure 1 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchartt)
1825			STD	Pt 10		LC#02, 03.06-01	WEC DCD Rev 17 conforming change	Revise LC#2 COL Holder Item 3.6-1 to remove paragraph added by Enclosure 1 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchartt) - Net result is identical to original Rev 0.
1824	AP-STD-0109b	1	STD	Pt 10		LC#02, 03.09-02	SUPERSEDED by Qb 1827 - DCD conforming changes per TVA letter dated January 14, 2008	Revise LC#2 COL Holder Items 3.6-1 and 3.9-2 in accordance with Enclosure 1 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchartt)
1827			STD	Pt 10		LC#02, 03.09-02	WEC DCD Rev 17 conforming change	Revise LC#2 COL Holder Item 3.9-2 to remove statements added by Enclosure 1 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchartt) - Net result is identical to original Rev 0.
1070	AP-STD-0230	2	STD	Pt 10		LC#02, 04.04-02	Consistency with FSAR 4.4.7 - eliminate title error	Item 4.4-2 should be revised to delete "thermal and Hydraulic Design, "
1061			STD	Pt 10		LC#02, 05.03-01	RAI LTR 005 Supp 1 response to RAI 05.03.02-01	COLA Part 10, Proposed Combined License Conditions, Section 2, COL Holder Items, COL item 5.3-1 To read: 5.3-1 Reactor Vessel Pressure - 5.3.6.1 Prior to initial fuel load Temperature Limit Curves The COL Holder shall update the P/T limits using the PTLR methodologies approved in the AP1000 DCD using the plant-specific material properties or confirm that the reactor vessel material properties meet the specifications and use the Westinghouse

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								generic PTLR curves.
1082	AP-STD-0242	2	STD	Pt 10		LC#02, 05.03-04	Correction of mis-spelled word.	For COL Item No. 5.3-4, in the second sentence, change "fluencies" to "fluence."
167	AP-STD-0112	1	STD	Pt 10		LC#02, 06.03-02	SUPERSEDED by Qb 1633 - DCD conforming changes per TVA letter dated January 14, 2008	Revise LC to add a new COL Holder Item 6.3-2 in accordance with Enclosure 2 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchardt)
731			STD	Pt 10		LC#02, 06.03-02	SUPERSEDED by Qb 1633 - RAI LTR 030 response to RAI 06.02.02-01 item 3	3. COLA Part 10, Proposed License Condition 2, "COL Holder Items," will be revised to include an additional COL holder item 6.3-2.
1482	AP-STD-0287	3	STD	Pt 10		LC#02, 06.03-02	SUPERSEDED by Qb 1633 - Correction of COL Holder Item 6.3-2 title/subject to match title in TR134, Rev. 2, Table 1.8-2	Change the title/subject of COL Holder Item 6.3-2 to read, "Verification of Containment Resident Particulate Debris Characteristics"
1633			STD	Pt 10		LC#02, 06.03-02	WEC DCD Rev 17 conforming change	Remove new COL Holder Item 6.3-2 added to LC in accordance with Enclosure 2 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchardt), and AP-STD-0112, and response to RAI LTR-030. - Net result is identical to original Rev 0.
1798			STD	Pt 10		LC#02, 09.01-07	WEC DCD Rev 17 conforming change	Insert for Proposed License Condition 2, COL Holder Item 9.1-7 - page LC-3 9.1-7 Coupon Monitoring Program 9.1.6 Prior to commercial operation A spent fuel rack Metamic coupon monitoring program is to be implemented when the plant is placed into commercial operation. This program includes tests to monitor bubbling, blistering, cracking, or flaking; and a test to monitor for corrosion, such as weight loss measurements and or visual examination.
2194			STD	Pt 10		LC#02, 13.06-05	Conforming change per TR134, Rev. 5, Item NRC 268. Add cyber security program as a COL holder item. Correction of Qb 1494.	Add new item 13.6-5 to LC#2, COL Holder Items, to read as follows: 13.6-5 Cyber Security Program 13.6.1 Prior to initial fuel load The Combined License holder will develop and implement a cyber security program prior to initial fuel load.
1822			STD	Pt 10		LC#02, 14.04-03	WEC DCD Rev 17 conforming change	Add new item in Part 9, Proposed License Condition 2, new holder item 14.4-3 14.4-3 Conduct of Test Program 14.4.3 Prior to initiating test program A site-specific startup administration manual (procedure), which contains the administration procedures and requirements that govern the activities associated with the plant initial test program, as identified in DCD Subsection 14.2.3 and as described in APP-GW-GLR-038 (DCD Reference 2), is provided prior to initiating the plant initial test program.
1083	AP-STD-0243	2	STD	Pt 10		LC#02, 14.04-06	This holder item was identified as Tier 2* material in the DCD. This designation does not carry over into the COLA and has no meaning for this item. The "*" is being removed, along with the brackets, to	For COL item No. 14.4-6, remove the opening and closing brackets as well as the "*" .

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							avoid confusion on whether a footnote was intended.	
1495	AP-STD-0300	3	STD	Pt 10		LC#02, 14.04-06	Conforming change per TR134, Rev. 5, Item NRC 254	Revise COL Holder Item 14.4-6, second paragraph, to read as follows: "The Combined License holder(s) for the first AP1000 plant (or first three plants) available for testing will perform the tests defined during preoperational and startup testing as identified in subsections 14.2.9 and 14.2.10. Combined License holders referencing the results of the tests will provide the report as necessary. The schedule for providing this information will be provided prior to preoperational testing." Also change the fourth cell in the first line from "Prior to initial fuel load" to "Prior to preoperational testing"
2069			STD	Pt 10		LC#02, 19.59.10-04	WEC DCD Rev 17 conforming change	Insert for Proposed License Condition 2, COL Holder Item 19.59.10-4 – page LC-4 19.59.10-4 Develop and Implement Severe Accident Management Guidance 19.59.10.5 Prior to startup testing NOTE - addressed by proposed License Condition #6.
2211			STD	Pt 10		LC#02, 19.59.10-05	WEC DCD Rev 17 conforming change	Revise first sentence of Proposed License Condition 2, COL Holder Item 19.59.10-5 – page LC-4, from: "The Combined License holder referencing the AP1000 certified design will perform a thermal lag assessment of the as-built equipment required to mitigate severe accidents (hydrogen igniters and containment penetrations) to provide additional assurance that this equipment can perform its severe accident functions during environmental conditions resulting from hydrogen burns associated with severe accidents." to read: "The Combined License holder referencing the AP1000 certified design will perform a thermal lag assessment of the as-built equipment listed in Tables 6b and 6c in Attachment A of APP-GW-GLR-069 to provide additional assurance that this equipment can perform its severe accident functions during environmental conditions resulting from hydrogen burns associated with severe accidents."
977	AP-STD-0137	2	STD	Pt 10		LC#03	Add Table number and period.	Revise first sentence under Proposed License Condition to read "The licensee shall implement the programs or portions of programs identified in Table 13.4-201 on or before the associated milestones in Table 13.4-201."
978	AP-STD-0138	2	STD	Pt 10		LC#03, A.1	Typographical error	Revise A.1 - fitness for Duty (Construction) to capitalize the f at the beginning of fitness.
160	AP-STD-0105	1	STD	Pt 10		LC#03, G.7	Correction of milestone (see also AP-STD-0091)	Delete D.4 Fitness for Duty (Operations) and insert G.7 Fitness for Duty (Operations)
714			STD	Pt 10		LC#03, G.8	RAI LTR 047 response to RAI 06.02.06-01, item 2	2. COLA Part 10, Proposed License Condition 3, Operational Program Implementation, item G, will be revised to add new sub-item G.8 (Note that new item G.7 was previously added by Errata Report Rev. 1, item AP-STD-105), which reads: G.8 – Containment Leakage Rate Testing Program
715			STD	Pt 10		LC#03, I	RAI LTR 047 response to RAI 06.02.06-01, item 3	3. COLA Part 10, Proposed License Condition 3, Operational Program Implementation, item I, will be revised To read: I. MODE 4 – Not used.
1071	AP-STD-0231	2	STD	Pt 10		LC#03, J.1	Typographical error	In License Condition 3, Item J.1 change "material" to "Material"
330			STD	Pt 10		LC#04	RAI LTR 008 response to RAI 09.05.01-01	COLA Part 10, Proposed License Condition 4, "Fire Protection Program Revisions," will be revised to remove the proposed condition to read:

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								"4. Not used."
300			STD	Pt 10		LC#06	RAI LTR 004 response to RAI 05.03.03-01	COLA Part 10, Proposed License Conditions, item 6, will be revised to include an additional specific item such that it reads (the "x" will be replaced with appropriate next letter): "6. OPERATIONAL PROGRAM READINESS: The NRC inspection... ..whichever comes first. x. This schedule shall include a submittal schedule for the reactor vessel pressurized thermal shock evaluation at least 18 months prior to initial fuel load."
775			STD	Pt 10		LC#06	RAI LTR 021 response to RAI 14.02-08	COLA Part 10, Proposed License Condition, item 6 will be revised to include an additional specific item such that it reads (the "x" will be replaced with appropriate next letter): 6. OPERATIONAL PROGRAM READINESS: The NRC inspection... ..whichever comes first. x. This schedule shall include a submittal schedule for approved preoperational and startup test procedures in accordance with FSAR Section 14.2.3.
1291			STD	Pt 10		LC#06	RAI LTR 083 response to RAI 19-03, item 2	2. COLA Part 10, Proposed License Condition, item 6 will be revised to include an additional specific item such that it reads (the "x" will be replaced with appropriate next letter): "6. OPERATIONAL PROGRAM READINESS: The NRC inspection... ..whichever comes first. x. This schedule shall include a schedule for the development of a site specific Severe Accident Management Guidance."
170	AP-STD-0115	1	STD	Pt 10		LC#09	SUPERSEDED by Qb 2006 - DCD conforming changes - refer to TVA letter dated January 14, 2008	Revise to include two new sub-items in accordance with Enclosure 3 of the January 14, 2008 TVA Letter to NRC on DCD Acceptance Review (Bailey to Borchardt)
1072	AP-STD-0232	2	STD	Pt 10		LC#09	SUPERSEDED by Qb 2006 - grammatical error	In License Condition 9, add the word "that" between " specific values" and "can not be determined"
2006			STD	Pt 10		LC#09	WEC DCD Rev 17 conforming change - The brackets were completed and the proposed LC is no longer needed.	Revise proposed License Condition 9 to read "Not used."
979	AP-STD-0139	2	STD	Pt 10		LC#APP B, PS ITAAC 2.3.31	Typographical error	In Plant Specific ITAAC 2.3.31, replace "following" with "following"
1416			BLN	Pt 10		LC#APP B, PS ITAAC 3.8, Table 3.8-1	RAI LTR 122 response to RAI 13.03-39, item 1	2. COLA Part 10, Table 3.8-1, Acceptance Criterion 6.3 will be revised from: ...for various radiological conditions To read: ...for various meteorological conditions
1417			BLN	Pt 10		LC#APP B, PS ITAAC 3.8, Table 3.8-1	RAI LTR 122 response to RAI 13.03-39, item 2	1. COLA Part 10, Table 3.8-1, will be revised to remove the introductory phrase, "A report exists that confirms" from the following Acceptance Criteria: 1.1.1, 1.1.2, 4.1, 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.2.1, 5.2.2, 6.2.1, 6.3, 6.4, 6.5, and 6.7.
1418			BLN	Pt 10		LC#APP B, PS ITAAC 3.8, Table 3.8-1	RAI LTR 122 response to RAI 13.03-39, item 3	3. COLA Part 10, Table 3.8-1, Acceptance Criterion 8.1.2.1 and 8.1.2.2 will be revised to include the following note:  (Note 1: Applicant emergency response organization assigned responsibilities are specified in Sections II.B.1 through II.B.7 of the COL Application Emergency Plan.)

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
2110			BLN	Pt 10		LC#APP B, PS ITAAC 3.8, Table 3.8-1	WEC DCD Rev 17 conforming change	COLA Part 10, Table 3.8-1, Inspection, Test, Analysis 3.1, 3.2 and 5.1 will be revised to omit the reference to ", Rev. 16"
<b>Pt 11</b>				<b>20 COLA Changes</b>				
250	AP-STD-0023	0	STD	Pt 11		00 Cover Page	Editorial - correct title on cover sheet	Change cover sheet title to "Enclosures"
758			BLN	Pt 11		QAPD 00 cover	RAI LTR 013, response to 17.05-03, item 1	1. COLA Part 11, QAPD, will be revised as follows: a. Revise the title of the QAPD from: Nuclear Generation Development and Construction Quality Assurance Program Description To read: TVA Bellefonte Units 3 and 4 Quality Assurance Program Description.
755			BLN	Pt 11		QAPD I.01	RAI LTR 013, response to 17.05-01, item 2	2. COLA Part 11, QAPD, Part I, Section 1, first sentence, will be revised ("or" removed) To read: The Tennessee Valley Authority (TVA) Quality Assurance Program Description (QAPD) is the top-level policy document that establishes the quality assurance policy and assigns major functional responsibilities for construction/pre-operation and operations activities conducted by or for TVA.
756			BLN	Pt 11		QAPD I.01.01	RAI LTR 013, response to 17.05-01, item 3	3. COLA Part 11, QAPD, Part I, Section 1.1, first sentence, will be revised (comma removed) To read: This QAPD applies only to Bellefonte Units 3 & 4 Combined Operating License (COL) construction/pre-operation and operations activities affecting the quality and performance of safety-related structures, systems, and components, including, but not limited to:
757			BLN	Pt 11		QAPD I.01.01	RAI LTR 013, response to 17.05-02	COLA Part 11, QAPD, Part I, Section 1.1, listing of activities, will be revised (to remove "Siting") from: Constructing Testing Siting Erecting Modifying To read: Constructing Testing Erecting Modifying
759			BLN	Pt 11		QAPD II.01	RAI LTR 013, response to 17.05-03, item 2	2. COLA Part 11, QAPD, Part II, "QAPD Details," will be revised to provide additional detail in SECTION 1, ORGANIZATION, beginning with: This section describes the TVA organizational structure...
2244			BLN	Pt 11		QAPD II.01.05.03	Editorial - correct grammar used in RAI LTR 013, response to 17.05-03, item 2	Second paragraph, 3rd line, change "He is" to "He has" .
1251	BLN-0004	0	BLN	Pt 11		QAPD II.02	Final Rule on LWA	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...."
762			STD	Pt 11		QAPD II.02.05	RAI LTR 013, response to 17.05-05	COLA Part 11, QAPD, Part II, Section 2.5, second paragraph, will be revised To read: Regulations require that the Final Safety Analysis Report (FSAR) include, among other things, the managerial and administrative controls to be used to assure safe operation, including a discussion of how the applicable requirements of Appendix B will be satisfied. In order to comply with this requirement, the FSAR references this QAPD and, as a result, the requirements of 10 CFR 50.54(a), are satisfied by and apply to the QAPD.
763			STD	Pt 11		QAPD II.02.07	RAI LTR 013, response to 17.05-06	COLA Part 11, QAPD, Part II, Section 2.7, will be revised (to remove item 6) To read 5. Results of the meeting are documented and be recorded.

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
								6. Consultants and contractors are used for the review of complex problems beyond the expertise of the off site/on site independent review committee. 7. Persons on the independent review committee are qualified as follows:"
1522			BLN	Pt 11		QAPD II.02.07	RAI LTR 013, response to 17.05-03, item 2	2. COLA Part 11, QAPD, Part II, "QAPD Details," will be revised as follows: b. Revise SECTION 2, QUALITY ASSURANCE PROGRAM, Section 2.7, item e, from: e. Reviews any matter related to nuclear safety that is requested by the Site Vice President, Site Director, Plant Manager, or any IRC member. To read: e. Reviews any matter related to nuclear safety that is requested by the CNO, BLN Plant Management executive, or any IRC member.
1524			BLN	Pt 11		QAPD II.06	RAI LTR 013, response to 17.05-08, item (3)	COLA Part 11, QAPD, Part II, Section 6, bullet j, will be revised from: (j) nonconformance reports and corrective action reports] To read: (j) nonconformance reports and corrective action reports.
764			STD	Pt 11		QAPD II.10.01	RAI LTR 013, response to 17.05-08, item 1	1. COLA Part 11, QAPD, Part II, Section 10.1, will be revised from: • [Optional alternative for those sites where the reporting independence of NQA-1-1994, Supplement 10S-1, Section 3.1 may not be met. Where inspections at the operating facility are performed by persons within the same organization (e.g. Maintenance group), TVA takes exception to the requirements of NQA-1-1994, Supplement 10S-1, Section 3.1, the inspectors report to the [quality control management] while performing those inspections.] To read: • Where inspections at the operating facility are performed by persons within the same organization (e.g. Maintenance group), TVA takes exception to the requirements of NQA-1-1994, Supplement 10S-1, Section 3.1; the inspectors report to the quality control management while performing those inspections.
765			BLN	Pt 11		QAPD II.11	RAI LTR 013, response to 17.05-08, item 2	2. COLA Part 11, QAPD, Part II, Section 11, first paragraph, will be revised To read: TVA has established the necessary measures and governing procedures to demonstrate that items subject to the provisions of this QAPD will perform satisfactorily in service, that the plant can be operated safely and as designed, and that the coordinated operation of the plant as a whole is satisfactory. These programs include criteria for determining when testing is required, such as proof tests before installation, pre-operational tests, post-maintenance tests, postmodification tests, in-service tests, and operational tests (such as surveillance tests required by Plant Technical Specifications); to demonstrate that performance of plant systems is in accordance with design.
831			STD	Pt 11		QAPD II.13.02	RAI LTR 016, response to 17.05-15, item 2	COLA Part 11, QAPD, Part II, Section 13.2, will be revised to address the requirements of NQA-1-1994, Subpart 2.1, and Subpart 2.2, and Subpart 3.2.
2091			STD	Pt 11		QAPD II.13.02	Editorial for consistent reference to Regulatory Guides	COLA Part 11, QAPD, Part II, Section 13.2, will be revised to expand "RG 1.37" to "Regulatory Guide 1.37"
690			BLN	Pt 11		QAPD III.02	The BLN QAPD included the identified paragraph as standard content from NEI06-14. The template included this commitment to Reg Guide 1.155 in response to SRP 17.5.II.V.2.c.	Update the position on RG 1.155 from: TVA shall implement quality requirements to SBO equipment in accordance with Regulatory Position 3.5, "Quality Assurance and Specific Guidance for SBO Equipment That Is Not Safety Related," and Appendix A, "Quality Assurance Guidance for Non-Safety Systems and Equipment," in Regulatory Guide 1.155, "Station Blackout." With the following: Regulatory Guide 1.155 is not applicable for the AP1000 design in accordance with

Change ID#	AP1000 Change #	Errata Report Rev. #	COLA REP	COLA Part A	Chapter A	Section / Page A	Basis for Change	Change Summary
							The BLN QAPD is unique to TVA for BLN Units 3 and 4 using the AP1000, a design for which the certified DCD indicates that RG 1.155 is "not applicable" to the AP1000 design.	certified design as shown in DCD Appendix 1A. Regulatory Guide 1.155 relates to the availability of safety related functions supported by AC power. Since AC power is not required to support the availability of safety-related functions, the guidance is not applicable.
833			STD	Pt 11		QAPD IV	RAI LTR 016, response to 17.05-15, item (3)	COLA Part 11, QAPD, Part IV, will be revised to address Regulatory Guides 1.26, 1.29, and 1.37 as shown in the letter redline/strikeout markup.
1523			BLN	Pt 11		QAPD IV-App A	RAI LTR 013, response to 17.05-03, item 2	2. COLA Part 11, QAPD, Part II, "QAPD Details," will be revised to insert functional organization charts as APPENDIX A.
2085			BLN	Pt 11		QAPD IV-App A	Editorial spelling correction to Org Chart added by response to RAI LTR 013.	Correction to QB Change # 1523. Correct Spelling Error on Functional Organization Chart, Appendix A, Page 2 of 2

**SUMMARY**

COLA Part A	Number of COLA Changes
Pt 01	8
Pt 02	758
Pt 04	235
Pt 05	33
Pt 07	15
Pt 09	17
Pt 10	41
Pt 11	20
<b>TOTALS (8 groups)</b>	<b>1127</b>