



Serial: NPD-NRC-2009-087

May 11, 2009

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555-0001

**Subject: Shearon Harris Nuclear Power Plant, Units 2 and 3  
NRC Docket Numbers 52-022 and 52-023  
Roadmap of Changes in Combined License Application, Revision 1**

Ladies and Gentlemen:

This letter provides information supporting the recent Progress Energy revision of the Combined License Application (COLA) for Shearon Harris Nuclear Power Plant, Units 2 and 3. Attached is a "roadmap" of the changes included in the April 17, 2009 submittal along with an enclosure providing an explanation of the information contained in the roadmap.

If you have any questions, or need additional information, please contact me at (919) 546-6992.

Sincerely,

A handwritten signature in black ink, appearing to read 'Robert H. Kitchen'.

Robert Kitchen  
Manager – Nuclear Plant Licensing

Enclosure/Attachment

cc (w Enclosure/Attachment):

Mr. Manny Comar, U.S. NRC Project Manager  
U. S. NRC Resident Inspector, SHNPP Unit 1  
U.S. NRC Region II, Regional Administrator

**Shearon Harris Nuclear Power Plant, Units 2 and 3 Roadmap of Changes in Combined  
License Application, Revision 1 by Column**

<b>Column</b>	<b>Explanation</b>
Change ID #	Unique identifier for tracking purposes
AP1000 Change #	Unique identifier for tracking by spreadsheet; prior to computer database usage; no longer used or assigned
COLA	Identifies the change as STD (standard) or HAR specific
COLA Part	Part 1 (PT01) through Part 11 (PT11)
Chapter	FSAR chapter
Section / Page	Page numbers (if identified) are specific to the document being revised i.e., Rev. 0
Basis for Change	The source of the change
Change Summary	Short Description of the change

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
<b>PT01</b>							
HAR-258		HAR	PT01		01.01.04 / 1-5	Change to Principal Corporate Officers	Make the following changes to the list of Principal Officers in Section 1.1.4: Delete: Peter M Scott III. Change John R. McArthur title to: Executive Vice President and Corporate Secretary Change Mark F. Mulhern title to: Senior Vice President and Chief Financial Officer Add: Frank Schiller Senior Vice President – Compliance and General Counsel Progress Energy, Inc. 410 S. Wilmington Street Raleigh, NC 27601-1748  Make the following change to the list of directors: Add: James B. Hyler Raleigh, NC Delete: Richard L. Daugherty Raleigh, NC
HAR-150		HAR	PT01		02.01, 02.02	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.
<b>PT02</b>							
<b>Chapter 1</b>							
2061		STD	PT02	FSAR01	01.01	WEC DCD Rev 17 conforming change	Reflect incorporation by reference of DCD Rev 17 rather than Rev 16
HAR-021		HAR	PT02	FSAR01	01.01	Editorial	In the last sentence of Section 1.1 change "tier" to "Tier."
HAR-006		HAR	PT02	FSAR01	01.01	Admin Titles should be all CAPS	In the title for Section 1.10.2, "POTENTIALLY IMPACTED SSCS AND LIMITING CONDITIONS FOR OPERATION" change "SSCs" to "SSCS" both in the section and in the index
HAR-019		HAR	PT02	FSAR01	01.01	Consistency	For the second supplemental statement in Section 1.1, change from HAR SUP 1.1-1 to HAR SUP 1.1-2
HAR-024		HAR	PT02	FSAR01	01.01.05	Admin.	Revise the schedular information in Subsection 1.1.5 to read: "HAR 2 Construction Completion/Fuel Load                      December 2018 Commercial Operation                                      June 2019  HAR 3 Construction Completion/Fuel Load                      December 2019 Commercial Operation                                      June 2020  The dates provided are based on the Progress Energy Carolina's Integrated Resource Plan dated September 1, 2008. A site-specific construction plan and startup schedule will be provided to the NRC after issuance of the COLA."
1076	AP-STD-0236	STD	PT02	FSAR01	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
HAR-025		HAR	PT02	FSAR01	01.01.T / T1.1-201	Acronyms added to Chapter 2	Add the following acronyms to Table 1.1-201: CRR        cyclic resistance ratio CSR        Creedmoor segment CZfg       felsic mica gneiss Czig       Injected gneiss HF (2.5.1, 2.5.1)    Harris fault
HAR-020		HAR	PT02	FSAR01	01.01.T / T1.1-201	there is no Co 68	Change Co 68 to Co 60
1532		STD	PT02	FSAR01	01.01.T / T1.1-201 Sh03	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	PT02	FSAR01	01.01.T / T1.1-201 Sh21	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)
HAR-100		HAR	PT02	FSAR01	01.01-201.T / T1.1-201 Sh17	Editorial	Correct spelling of "pressurizer."

**Attachment 1**  
**Shearon Harris Nuclear Power Plant Units 2 and 3 COLA Revision 1 Change Roadmap**

5/6/2009

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
1444	BLN-0030	HAR	PT02	FSAR01	01.02.02	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 LMAs of HAR COL 3.3-1 and HAR COL 3.5-1 to the wording of this section
HAR-018		HAR	PT02	FSAR01	01.04.02.08	Correction to identify only companies with direct contracts	Correct description of companies having contractual relationship with PGN for COLA development to remove Geomatrix and renumber Subsections
1009	AP-STD-0169	STD	PT02	FSAR01	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"
1450	AP-STD-0255	STD	PT02	FSAR01	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	STD	PT02	FSAR01	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"
1499	AP-STD-0304	STD	PT02	FSAR01	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	STD	PT02	FSAR01	01.06.T / T1.6-201	SUPERSEDED by Qb 1413 NEI Submittal of March 2008	Revise NEI 07-02A ADAMS Accession Number to "ML080910149"
1534		STD	PT02	FSAR01	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	PT02	FSAR01	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.
951		STD	PT02	FSAR01	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.
1413		STD	PT02	FSAR01	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)
981	AP-STD-0141	STD	PT02	FSAR01	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."
2288		STD	PT02	FSAR01	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
HAR-101		HAR	PT02	FSAR01	01.08.T / T1.8-201	Standardization	Remove the following sections and subsections from Table 1.8-201: 2.0, 2.1.2, 2.1.3, 2.2.2, 2.2.3, 2.3.4, 2.3.5, 2.4.2, 2.4.3, 2.4.4, 2.4.5, 2.4.6, 2.4.7, 2.4.8, 2.4.9, 2.4.10, 2.4.11, 2.4.12, 2.4.13, 2.4.14, 2.5.0, 2.5.1, 2.5.3, 2.5.4, 2.5.5, 13.1.2, 13.1.3, 13.5.1, 13.5.2, 13.8
1448	BLN-0034	HAR	PT02	FSAR01	01.08.T / T1.8-202 Sh06	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

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-367		HAR	PT02	FSAR01	01.08.T / T1.8-202 Sh07	HAR SUP subsection not a HAR COL Item subsection	For COL Item 3.7-2, in Table 1.8-202, in the FSAR Section column, delete reference to Subsection 3.7.4.5.
1535		STD	PT02	FSAR01	01.08.T / T1.8-202 Sh08	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"
1536		STD	PT02	FSAR01	01.08.T / T1.8-202 Sh10	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.
HAR-368		HAR	PT02	FSAR01	01.08.T / T1.8-202 Sh11	HAR SUP subsection not a HAR COL Item subsection	For COL Item 8.2-1, in Table 1.8-202, in the FSAR Section column, delete reference to Subsection 8.2.1.1.3.
1012	AP-STD-0172	STD	PT02	FSAR01	01.08.T / T1.8-202 Sh12	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, 9.5.1.8.1.2, 9.5.1.8.2, 9.5.1.8.3, 9.5.1.8.4, 9.5.1.8.5, 9.5.1.8.6 and 9.5.1.8.7."
1537		STD	PT02	FSAR01	01.08.T / T1.8-202 Sh12	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
HAR-369		HAR	PT02	FSAR01	01.08.T / T1.8-202 Sh13	Add specificity to the subsection reference	For COL Item 9.5-13, in Table 1.8-202, in the FSAR Section column, change "9.5.4.7" and "9.5.4.7.2."
HAR-012		STD	PT02	FSAR01	01.08.T / T1.8-202 Sh16	NEI 07-03, Rev 4 FEB 2008 added a new section 12.5.4.13 Records to the document	For COL Item 12.3-3, change "12AA.5.4.13" to "12AA.5.4.14."
HAR-026		STD	PT02	FSAR01	01.08.T / T1.8-202 Sh16	NEI 07-03, Rev 4 FEB 2008 added a new section 12.5.4.13 Records to the document	For COL Item 12.3-4, change "12AA.5.4.14" to "12AA.5.4.15."
952		STD	PT02	FSAR01	01.08.T / T1.8-202 Sh16	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
1492	AP-STD-0297	STD	PT02	FSAR01	01.08.T / T1.8-202 Sh17	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	PT02	FSAR01	01.08.T / T1.8-202 Sh17	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	PT02	FSAR01	01.08.T / T1.8-202 Sh20	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	PT02	FSAR01	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.

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
943		STD	PT02	FSAR01	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	PT02	FSAR01	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.
945		STD	PT02	FSAR01	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.
993	AP-STD-0153	STD	PT02	FSAR01	01.09.04.02.03	Editorial	Under discussion for Issue 189 insert "and" between "ice condenser" and "BWR MARK III".
1188		STD	PT02	FSAR01	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 (Note that, for convenience, this listing is a complete replacement of the content of Table 1.9-201 including previously identified errata items.)
1004	AP-STD-0164	STD	PT02	FSAR01	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.
1480	AP-STD-0285a	STD	PT02	FSAR01	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	STD	PT02	FSAR01	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"
HAR-008		HAR	PT02	FSAR01	01.09.T / T1.9-201 1.021	Admin	HAR COL 1.9-1 – Table 1.9-201, RG 1.21 – Is also contained in Subsection 11.5.4.1
HAR-009		HAR	PT02	FSAR01	01.09.T / T1.9-201 1.023	Admin	HAR COL 1.9-1 – Table 1.9-201, RG 1.23 – Reference to FSAR Section 2.3 should be removed
1517	AP-STD-0322	STD	PT02	FSAR01	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 and Section 17.5 (QAPD IV).
1518	AP-STD-0323	STD	PT02	FSAR01	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

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-011		HAR	PT02	FSAR01	01.09.T / T1.9-201 1.070	Admin	HAR COL 1.9-1 – Table 1.9-201, RG 1.70 – This document should not be referenced in section 2.3.1.2.3. Note - DG-1145 should not be referenced either.
2065		STD	PT02	FSAR01	01.09.T / T1.9-201 1.070	Correction for information provided in response to RAI LTR 071	Correct the "November 2007" date to read "November 1978"
1453	AP-STD-0258	STD	PT02	FSAR01	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	PT02	FSAR01	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)"
HAR-371		HAR	PT02	FSAR01	01.09.T / T1.9-201 1.082	Editorial	For RG 1.82 add the word "Accident" after "Coolant."
2000		STD	PT02	FSAR01	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"
1510	AP-STD-0315	STD	PT02	FSAR01	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
2188		BLN	PT02	FSAR01	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)
HAR-015		HAR	PT02	FSAR01	01.09.T / T1.9-201 1.113	Admin	HAR COL 1.9-1 – Table 1.9-201, RG 1.113 - Remove reference to RG1.113 since it is not referenced.
HAR-013		HAR	PT02	FSAR01	01.09.T / T1.9-201 1.114	Admin	HAR COL 1.9-1 – Table 1.9-201, RG 1.114 – Reference should be corrected to 13.1.2.1.3.6, and add 13.1.2.1.4
1005	AP-STD-0165	STD	PT02	FSAR01	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	PT02	FSAR01	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"
HAR-014		HAR	PT02	FSAR01	01.09.T / T1.9-201 1.149	Admin	HAR COL 1.9-1 – Table 1.9-201, RG 1.149 – Should be STD and not HAR per AP-STD-075
1080	AP-STD-0240	STD	PT02	FSAR01	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	PT02	FSAR01	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	PT02	FSAR01	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	PT02	FSAR01	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
HAR-011		HAR	PT02	FSAR01	01.09.T / T1.9-201 1.206	Admin	For RG 1.206, add reference to section 2.3.1.2.3.
HAR-372		HAR	PT02	FSAR01	01.09.T / T1.9-201 1.207	Indicate separation between STD and HAR information	After RG 1.207 add a separator line. RG 1.207 is STD COL and RG 1.20 is HAR COL.
HAR-007		HAR	PT02	FSAR01	01.09.T / T1.9-201 4.150	Admin	Revise entry for RG 4.15 to Rev1, February 1979 to be consistent with the STD entry.
1520	AP-STD-0325	STD	PT02	FSAR01	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
2002		STD	PT02	FSAR01	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 #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-010		HAR	PT02	FSAR01	01.09.T / T1.9-202	Admin	STD SUP 1.9-1 – Table 1.9-202 - Remove Note (h) on Page 1.9-43 to be consistent with STD
1028	AP-STD-0188	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh02	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	STD	PT02	FSAR01	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	STD	PT02	FSAR01	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	STD	PT02	FSAR01	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."
HAR-373		HAR	PT02	FSAR01	01.09.T / T1.9-202 Sh03	Incorrect SRP section title	In the section title for SRP 2.5.5, delete the word "System" from the title.
1032	AP-STD-0192	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh04	Incorrect SRP section title	In the section title for SRP 3.7.1, delete the words "System Analysis."
HAR-374		HAR	PT02	FSAR01	01.09.T / T1.9-202 Sh04	Incorrect SRP section title	In the section title for SRP 3.7.2, delete the word "Acceptance" from the title.
1033	AP-STD-0193	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh05	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	STD	PT02	FSAR01	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	STD	PT02	FSAR01	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"
1454	AP-STD-0259	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh08	Current reference is a draft document. FSAR should assess conformance to approved documents.	Revise Title of SRP 6.2.1.1.B to read "Ice Condenser Containments, Rev. 2, 07/1981"
994	AP-STD-0154	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh08 & Sh25	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.
HAR-375		HAR	PT02	FSAR01	01.09.T / T1.9-202 Sh09	Incorrect SRP section title	In the section title for SRP 6.2.6, delete the word "Acceptance" from the title.
HAR-376		HAR	PT02	FSAR01	01.09.T / T1.9-202 Sh10	Incorrect SRP section title	In the section title for SRP 6.3, delete the word "Acceptance" from the title.
1036	AP-STD-0196	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh10	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	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh10	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. 3, 12/1988"
1456	AP-STD-0261	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh10	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	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh12	SRP Section 9.2.3 has been withdrawn.	Delete the entire entry for SRP 9.2.3
HAR-377		HAR	PT02	FSAR01	01.09.T / T1.9-202 Sh13	Incorrect SRP section title	In the section title for SRP 9.5.2, delete the word "Acceptance" from the title.
HAR-378		HAR	PT02	FSAR01	01.09.T / T1.9-202 Sh13	Incorrect SRP section title	In the section title for SRP 9.5.4, delete the word "Acceptance" from the title.
1038	AP-STD-0198	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh13	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	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh14	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	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh14	Incorrect SRP section title	In the section titles for SRP 11.3 and SRP 11.4, change "Systems" to just "System."
HAR-379		HAR	PT02	FSAR01	01.09.T / T1.9-202 Sh15	Editorial	Under "Comments/Summary of Exceptions" change "RD" to "RG."
1475	AP-STD-0280	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh21 & Sh22	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"



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1040	AP-STD-0200	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh22	Incorrect SRP section title	Change the section title for SRP 15 to read: "Introduction - Transient and Accident Analysis"
1041	AP-STD-0201	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh23, 25, 26	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	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh24	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	STD	PT02	FSAR01	01.09.T / T1.9-202 Sh27	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."
2153		STD	PT02	FSAR01	01.09.T / T1.9-203	Editorial - Note (j) should match DCD note	Correct Note (j) added by Qb 996 to reference Draft NUREG-1512 rather than Draft NUREG-0612
1461	AP-STD-0266	STD	PT02	FSAR01	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	STD	PT02	FSAR01	01.09.T / T1.9-203 Sh08	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	STD	PT02	FSAR01	01.09.T / T1.9-203 Sh17	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	STD	PT02	FSAR01	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	STD	PT02	FSAR01	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	STD	PT02	FSAR01	01.09.T / T1.9-204 Sh04	Incorrect document date	For Generic Letter 84-10, change "(5/84)" to "(4/84)."
1045	AP-STD-0205	STD	PT02	FSAR01	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	STD	PT02	FSAR01	01.09.T / T1.9-204 Sh05	Incorrect GL title	In the title for Generic Letter 89-07, change "Service" to "Surface."
1048	AP-STD-0208	STD	PT02	FSAR01	01.09.T / T1.9-204 Sh05	Acronym correction	In the title for Generic Letter 88-05, change "PAR" to "PWR."
HAR-016	AP-STD-0263	STD	PT02	FSAR01	01.09.T / T1.9-204 Sh05	Indicate that information is standard.	Changed left margin annotation from "HAR COL 1.9-2" to "STD COL 1.9-2" to listing for "Generic Letter 88-14 Instrument Air Supply System Problems Affecting Safety-Related Equipment (8/88)" 9.3.7"
1047	AP-STD-0207	STD	PT02	FSAR01	01.09.T / T1.9-204 Sh05	Correction to GL title	In the title for Generic Letter 91-16, change "Operator" to "Operators'."
HAR-017	AP-STD-0264	STD	PT02	FSAR01	01.09.T / T1.9-204 Sh05	Indicate that information is standard.	Changed left margin annotation from "HAR COL 1.9-2" to "STD COL 1.9-2" to listing for "Generic Letter 89-08 Erosion/Corrosion-Induced Pipe Wall Thinning (5/89)" 10.1.3.1"
HAR-392		STD	PT02	FSAR01	01.09.T / T1.9-204 Sh05	Indicate that information is standard.	Generic Letter 89-15, include in Comment column an additional subsection listing of "2.3.2.3."
HAR-393		STD	PT02	FSAR01	01.09.T / T1.9-204 Sh05	Indicate that information is standard.	Generic Letter 91-14, include in Comment column an additional subsection listing of "2.3.2.3."
1519	AP-STD-0324	STD	PT02	FSAR01	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
1078	AP-STD-0238	STD	PT02	FSAR01	01.B	LMA inadvertently omitted	Add LMA STD SUP 1B-1
947		STD	PT02	FSAR01	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.
HAR-002		STD	PT02	FSAR01	01AA RG 1.020	Consistency with BLN COLA	Change "Conformance with Revision 2 of this Regulatory Guide.." with "Conformance with Revision 2 of the Regulatory Guide..."

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801		STD	PT02	FSAR01	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
HAR-003		STD	PT02	FSAR01	01AA RG 1.026	Consistency with BLN COLA	Change "Conformance with Revision 2 of this Regulatory Guide.." with "Conformance with Revision 2 of the Regulatory Guide..."
1496	AP-STD-0301	STD	PT02	FSAR01	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."
HAR-004		STD	PT02	FSAR01	01AA RG 1.029	Consistency with BLN COLA	Change "Conformance with Revision 2 of this Regulatory Guide.." with "Conformance with Revision 2 of the Regulatory Guide..."
769		STD	PT02	FSAR01	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.
1049	AP-STD-0209	STD	PT02	FSAR01	01AA RG 1.075	Incorrect GL title	In the title for Reg. Guide 1.75, revise "Electric Systems" to "Electrical Safety Systems"
2068		STD	PT02	FSAR01	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.
1050	AP-STD-0210	STD	PT02	FSAR01	01AA RG 1.116	Typographical error	Revise Reg. Guide 1.116, revision level from "O-R" to "D-R."
HAR-380		HAR	PT02	FSAR01	01AA RG 1.124	In correct Reg. Guide title	In Appendix 1AA, in the title for Reg. Guide 1.124 delete "Component."
968	AP-STD-0128	STD	PT02	FSAR01	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"
HAR-381		HAR	PT02	FSAR01	01AA RG 1.133, 1.194, 1.198	Editorial	In Appendix 1AA, for Reg. Guides 1.133, 1.194 and 1.198 spell out the word "Regulatory" instead of abbreviating as "Reg."
770		STD	PT02	FSAR01	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.
1006	AP-STD-0166a	STD	PT02	FSAR01	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)."
805		STD	PT02	FSAR01	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.
HAR-382		HAR	PT02	FSAR01	01AA RG 1.175	Incorrect revision date	Appendix 1AA, Reg. Guide 1.175, the date should be 8/98.
1052	AP-STD-0212	STD	PT02	FSAR01	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		HAR	PT02	FSAR01	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	STD	PT02	FSAR01	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."
2047		STD	PT02	FSAR01	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.

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
1053	AP-STD-0213	STD	PT02	FSAR01	01AA RG 5.009	Typographical error	In the title for Reg. Guide 5.9, delete the final "s" in "Measurements."
1054	AP-STD-0214	STD	PT02	FSAR01	01AA RG 5.012	Typographical error	In the title for Reg. Guide 5.12, delete the "s" in "Controls."
HAR-005		HAR	PT02	FSAR01	01AA RG 5.065	Admin	Correct spelling of "Regulatory" in the title for Reg. Guide 5.65.
1430		STD	PT02	FSAR01	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	STD	PT02	FSAR01	01AA RG 8.027	Incorrect revision date	For Reg. Guide 8.27, change the revision date to "3/81."
1410		STD	PT02	FSAR01	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 ANSI N13.27- Conforms 1981
HAR-383		HAR	PT02	FSAR01	01AA RG 8.029	Incorrect revision date	For Reg. Guide 8.29, change the revision date to "2/96."
<b>Chapter 2</b>							
HAR-191		HAR	PT02	FSAR02	02	Consistency with R-COLA IBR and STD DEP statements	Revise the introductory paragraphs to be consistent with the R-COLA
HAR-190		HAR	PT02	FSAR02	02.0 / 02.01 / 02.02 / 02.04 / 02.05	Consistency with R-COLA IBR and STD DEP statements	Revise the IBR statements for these sections to consistently state the following: "This section of the referenced DCD is incorporated by reference with the following departures and/or supplements."
HAR-217		HAR	PT02	FSAR02	02.00.T / T2.0-201	NPD-NRC-2008-035, H-0003, 02.03.01-03	Text of RAI response incorporated as change
HAR-221		HAR	PT02	FSAR02	02.03.T / T2.3.4-201, T2.3.4-203, T2.3.4-206	NPD-NRC-2008-0069, H-0249, 15.00.03-01	Incorporate the changes from NPD-NRC-2008-0069, H-0249.
HAR-218		HAR	PT02	FSAR02	02.00.T / T2.0-201	NPD-NRC-2008-035, H-0004, 02.03.01-04	The peak 3-second gust site characteristic in FSAR Table 2.0-201 (Sheet 1 of 9) will be revised from: "96 mph (3 second gust) To read: "97 mph (3 second gust)
HAR-219		HAR	PT02	FSAR02	02.00.T / T2.0-201	NPD-NRC-2008-035, H-0012, 02.03.01-10	Revise Sheet 1 of Table 2.0-201 in accordance with NPD-NRC-2008-035, H-0012.
HAR-220		HAR	PT02	FSAR02	02.00.T / T2.0-201	NPD-NRC-2008-030, H-0038, 02.03.05-4	Change the HAR maximum average annual site characteristic X/Q value in FSAR Table 2.0-201 (Sheet 8 of 9) from $1.78 \times 10^{-6} \text{ sec/m}^3$ to $8.80 \times 10^{-6} \text{ sec/m}^3$ Change the reference for this value from Table 2.3.4-205 to Table 2.3.5-201.
HAR-210		HAR	PT02	FSAR02	02.00.T / T2.0-201 Sh02	WEC DCD TR134 Rev 4 update per DCD change item NRC 205 and 207	For Seismic - SSE 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.
HAR-211		HAR	PT02	FSAR02	02.00.T / T2.0-201 Sh03	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.
HAR-212		HAR	PT02	FSAR02	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.
1487	AP-STD-0292	STD	PT02	FSAR02	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	PT02	FSAR02	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) [Note (j) on HAR] 86.1°F wet bulb (noncoincident) Maximum Normal 101°F dry bulb/80.1°F coincident wet bulb

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1489	AP-STD-0294	STD	PT02	FSAR02	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"
2072		STD	PT02	FSAR02	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	PT02	FSAR02	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	PT02	FSAR02	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.
1434	BLN-0020	BLN	PT02	FSAR02	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	BLN	PT02	FSAR02	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 C
1546		STD	PT02	FSAR02	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	STD	PT02	FSAR02	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]"
1549		BLN	PT02	FSAR02	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 5.1x10-4 sec/m3 at Site Boundary, 2.2x10-4 sec/m3 at LPZ for the time period 0-8 hours, 1.6x10-4 sec/m3 at LPZ for the time period 8-24 hours, and 1.0x10-4 sec/m3 at LPZ for the time period 24-96 hours.
1261	BLN-0014	BLN	PT02	FSAR02	02.00.T / T2.0-201 Sh06	Editorial - Incorrect label sequence	Revise second Note f to become Note g
1488	AP-STD-0293	STD	PT02	FSAR02	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."
2078		BLN	PT02	FSAR02	02.00.T / T2.0-201 Sh06	WEC DCD R17 conforming change	Revise Table 2.0-201 Note (c) [Note (b) on HAR] to match revised wording from DCD Rev 17
HAR-309		HAR	PT02	FSAR02	02.00.T / T2.0-201 Sh08 of 09, 2.3.5.2, T2.3.5-201, T2.3.5-202, T2.3.5-203, T2.3.5-204	NPD-NRC-2009-025, H-0415	Changed 1.78x10-6 to 6.0x10-6, Revised Chi/Q in ESE to WSW sectors
HAR-250		HAR	PT02	FSAR02	02.00.T / T2.0-201 02.03.05.02	NPD-NRC-2008-030, H-0038, 02.03.05-4	Text of RAI response incorporated as change
1550		BLN	PT02	FSAR02	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	PT02	FSAR02	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)
1436	BLN-0022	BLN	PT02	FSAR02	02.00.T / T2.0-202 Sh03	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)
2080		BLN	PT02	FSAR02	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.

**Attachment 1**  
**Shearon Harris Nuclear Power Plant Units 2 and 3 COLA Revision 1 Change Roadmap**

5/6/2009

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-213		HAR	PT02	FSAR02	02.00.T / T2.0-202 Sh03	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)
HAR-192		HAR	PT02	FSAR02	02.01	Admin Consistency with Bellefonte R-COLA IBR and STD DEP statements; no reason for HAR to be different.	After the horizontal line on page 2.1-1, insert the following paragraph: "Subsection 2.1.1 of the DCD is renumbered as Subsection 2.1.4 and moved to the end of Section 2.1. This is being done to accommodate the incorporation of Regulatory Guide 1.206 numbering conventions for Section 2.1."
HAR-222		HAR	PT02	FSAR02	02.01	NPD-NRC-2008-069, H-0249, 15.00.03-1	Incorporate the changes from NPD-NRC-2008-0069, H-0249.
HAR-323		HAR	PT02	FSAR02	02.01, 02.02, 02.03, 02.04, 02.05	Admin - consistency in identifying references	References revised as shown in detailed list for the identified FSAR Sections.
HAR-193		HAR	PT02	FSAR02	02.01.02 / 02.01.03	Consistency with R- COLA IBR and STD DEP statements	Remove STD DEP 1.1-1 LMAs from Subsection 2.1.2 and 2.1.3.
HAR-194		HAR	PT02	FSAR02	02.01.04	Consistency with R- COLA IBR and STD DEP statements	Place horizontal lines on either side of the subsection title and a horizontal line following the location statement. Change the statement to read, "This COL item is addressed in Section 2.1" Insert a LMA associated with it (e.g., HAR COL 2.1-1)
HAR-204		HAR	PT02	FSAR02	02.01.T / T2.0-201	Consistency with calculational results	Update dry bulb/wet bulb temperatures to match calculation HAG-0000- X6C-001
HAR-195		HAR	PT02	FSAR02	02.02	Consistency with R- COLA IBR and STD DEP statements	Insert a horizontal line and the following paragraph before subsection 2.2.1: "Subsection 2.2.1 of the DCD is renumbered as Subsection 2.2.4 and moved to the end of Section 2.2. This is being done to accommodate the incorporation of Regulatory Guide 1.206 numbering conventions for Section 2.2."
HAR-223		HAR	PT02	FSAR02	02.02	NPD-NRC-2008-033, H-0039, 02.02.01- 02.02.02-1	Incorporate the changes from NPD-NRC-2008-0033, H-0039.
HAR-224		HAR	PT02	FSAR02	02.02	NPD-NRC-2008-033, H-0040, 02.02.01- 02.02.02-2	Incorporate the changes from NPD-NRC-2008-0033, H-0040.
HAR-225		HAR	PT02	FSAR02	02.02	NPD-NRC-2008-033, H-0041, 02.02.01- 02.02.02-3	Incorporate the changes from NPD-NRC-2008-0033, H-0041.
HAR-226		HAR	PT02	FSAR02	02.02	NPD-NRC-2008-033, H-0042, 02.02.01- 02.02.02-4	Incorporate the changes from NPD-NRC-2008-0033, H-0042.
HAR-215		HAR	PT02	FSAR02	02.02 / 02.02.01	TR134, R5 item NRC258.	Add LMAs of HAR COL 3.3-1 and HAR COL 3.5-1 to the wording of these sections
1445	BLN-0031	BLN	PT02	FSAR02	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 designated	Add LMAs of HAR COL 3.3-1 and HAR COL 3.5-1 to the wording of these sections
HAR-196		HAR	PT02	FSAR02	02.02.02 / 02.02.03	Consistency with R- COLA IBR and STD DEP statements	Remove STD DEP 1.1-1 LMAs from subsections 2.2.2 and 2.2.3.

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-227		HAR	PT02	FSAR02	02.02.03.01.02	NPD-NRC-2008-032, H-0043, 02.02.03-01	<p>Revise the first sentence of the third paragraph of FSAR Section 2.2.3.1.2 from: The evaluation concludes that a pipeline failure, should it occur, would result in local damage, but would not result in damage to the HAR 2 and HAR 3 critical facilities that could impede the continued safe operation or prevent safe shutdown of the plant. To read: The evaluation concludes that a pipeline failure, should it occur, would not result in damage to the HAR 2 and HAR 3 critical facilities that could impede the continued safe operation or prevent safe shutdown of the plant.</p> <p>Revise the fourth bullet of the third paragraph of FSAR section 2.2.3.1.2 from : • The closest point of approach of the pipeline to the plant critical structures is estimated at 751 m (2464 ft.) and is the value used for determining overpressure. To read: • The closest point of approach of the detonable propane-air cloud mixture to the plant critical structures is estimated at 751 m (2464 ft.) and is the value used for determining overpressure .</p>
HAR-197		HAR	PT02	FSAR02	02.02.04	Consistency with R-COLA IBR and STD DEP statements	Place horizontal lines on either side of the subsection title and a horizontal line following the location statement. Change the statement to read, "This COL item is addressed in Section 2.2" Insert a LMA associated with it (e.g., HAR COL 2.2-1)
HAR-228		HAR	PT02	FSAR02	02.03.01.01	NPD-NRC-2008-035, H-0001, 02.03.01-01	<p>The following sentence will be added to the end of the first paragraph of FSAR Subsection 2.3.1.1: "The HAR site is located in the Central Piedmont state climate division of the NCDC."</p> <p>A reference to the source of the information, which was obtained from the NCDC website at <a href="http://www.cdc.noaa.gov/USclimate/map.html">http://www.cdc.noaa.gov/USclimate/map.html</a>. will be included at the time of the amendment.</p>
HAR-231		HAR	PT02	FSAR02	02.03.01.01.03	NPD-NRC-2008-035, H-0005, 02.03.01-05	<p>The second and third sentences of FSAR Subsection 2.3.1.2.3 "Heavy Snow and Severe Glaze Storms" will be revised from: "Mean annual probabilities of occurrence of measurable winter weather precipitation in Raleigh-Durham are 1.27 cm (0.5 in.), 3.30 cm (1.3 in.), and 1.78 cm (0.7 in.) for freezing rain, sleet, and snowfall, respectively. These probabilities correspond to an expected annual occurrence of measurable precipitation in Raleigh-Durham of approximately 100 percent, 77 percent, and 100 percent for freezing rain, sleet, and snowfall, respectively (Reference 2.3-218)." To read: "Mean annual occurrences of measurable winter weather precipitation in Raleigh-Durham are 1.27 cm (0.5 in.), 3.30 cm (1.3 in.), and 1.78 cm (0.7 in.) for freezing rain, sleet, and snowfall, respectively. The probability of occurrence of measurable precipitation in Raleigh-Durham is 100 percent, 77 percent, and 100 percent for freezing rain, sleet, and snowfall, respectively (Reference 2.3-218)."</p>
HAR-235		HAR	PT02	FSAR02	02.03.01.02.01	NPD-NRC-2008-035, H-0013, 02.03.01-11	<p>The following text will be added to the end of the third paragraph of FSAR Subsection 2.3.1.2.1 "Thunderstorms, Hail, and Lightning": "It is noted that there has been a significant increase in the reported number of hail events over time, primarily as a result of increased reporting efficiency and confirmation skill and that many storms may have been overlooked in the early data collection years. Additionally, the increase in urbanization over the past 50 years has effectively resulted in an increase in the number of reported storms, if for no other reason than there are more targets damaged by hail and thunderstorms in an urban area than in a rural area. As a result, there is a higher frequency of reported storms in urban areas than in rural areas. While 182 hail storms were reported in Wake County over the period 1950 to 2006, more recent storm reports (Reference 2.3-209) indicate that there is a greater frequency of reported storms in more recent years."</p>

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-230		HAR	PT02	FSAR02	02.03.01.02.02	NPD-NRC-2008-035, H-0003, 02.03.01-03	The third to the last paragraph in FSAR Section 2.3.1.2.2 will be revised in a future amendment from: "These parameters are NRC's published design-basis tornado parameters for the region surrounding the HAR site. They are less stringent than the proposed design criteria for the AP1000 units that will be used for HAR 2 and HAR 3." To read: "These parameters are NRC's published design-basis tornado parameters for the region surrounding the HAR site. They are less stringent than the proposed design criteria for the AP1000 units that will be used for HAR 2 and HAR 3. However, since the maximum site characteristics for wind speed and pressure drop associated with the guidance in NRC Draft Regulatory Guide DG-1143 are higher than those in RG 1.76, Revision 1, those values will be used as the maximum site characteristics for comparison with the DCD site parameters in FSAR Table 2.0-201."
HAR-189		HAR	PT02	FSAR02	02.03.01.02.03	Editorial change	Fourth paragraph, the beginning of the first sentence needs to be reworded as follows: "Subsection C.I.2.3.1.2 of NRC Regulatory Guide 1.206 suggests that applicants..."
HAR-310		HAR	PT02	FSAR02	02.03.01.02.03	Editorial change	Added "1.206" after "Regulatory Guide"
HAR-311		HAR	PT02	FSAR02	02.03.01.02.03	Editorial change	Section 2.3.1.2.3 revised in the 3rd paragraph but RAI 02.03.01-5 (H-0005) stated the section.
HAR-232		HAR	PT02	FSAR02	02.03.01.02.04	NPD-NRC-2008-035, H-0006, 02.03.01-06	"Hurricanes have been observed in coastal areas of North Carolina, which lies along the Atlantic Coast of the eastern United States. Sustained hurricane force winds (greater than 119 km/h [74 mph]) have not been recorded at the Raleigh-Durham weather station."  To read: "Hurricanes have been observed in coastal and inland areas of North Carolina. While sustained hurricane force winds (greater than 119 km/h [74 mph]) have not been recorded at the Raleigh-Durham weather station, climatological and storm-event records indicate that a number of hurricane tracks have passed within 100 nautical miles of the HAR site."  The last sentence of FSAR Subsection 2.3.1.2.4 will be deleted, which currently reads as follows: "As would be expected at this location, the intensities of wind and precipitation are generally no greater than those produced by severe thunderstorms."  The following paragraph will be added to the end of FSAR Subsection 2.3.1.2.4: "The State Climate Office of North Carolina reports that there have been 48 reported hurricanes and tropical storms that have made direct landfall in North Carolina during the period 1857 to 2005, which corresponds to an annual average frequency of occurrence of 0.32 storms per year. The NOAA Coastal Services Center reports that only four hurricanes rated Category 2-5 have passed within 50 nautical miles of Wake County and that only 11 hurricanes rated Category 2-5 have passed within 100 nautical miles of Wake County during the same period."
HAR-233		HAR	PT02	FSAR02	02.03.01.02.05, 02.03.02.02, 02.03.02.02.02, 02.03.02.02.03	NPD-NRC-2008-035, H-0007, 02.03.01-07	FSAR Subsections 2.3.1.2.5, 2.3.2.2, 2.3.2.2.2, and 2.3.2.2.3 are revised to clarify that there will be two new natural draft cooling towers, one for each of HAR Units 2 and 3.
HAR-234		HAR	PT02	FSAR02	02.03.01.02.07	NPD-NRC-2008-035, H-0008, 02.03.01-08	The entire contents of FSAR Subsection 2.3.1.2.7 "Ambient Air Temperatures" is replaced in accordance with NPD-NRC-2008-035, H-0008 and reference to Table 2.3.1-208 was changed to Table 2.3.1-209.

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
							In FSAR Table 2.3.1-202 (Sheet 1 of 2), under the parameter Wind, the Fastest Mile/Peak Gust value for the Greensboro/Piedmont station will be revised from "60 (Oct. 1995) to read "97 (July 1996)". A new footnote "b" will also be added to the table, referencing the NIST database.  In FSAR Table 2.3.1-202 (Sheet 2 of 2), under the parameter Precipitation, the table entries will be revised accordance with NPD-NRC-2008-035, H-0002.  The following reference will be added to the table (using a reference number to be identified at the time the amendment is made): "Southeast Regional Climate Center, "Historical Climate Summaries for North Carolina," Website, <a href="http://www.sercc.com/climateinfo/historical/historical_nc.html">http://www.sercc.com/climateinfo/historical/historical_nc.html</a> , accessed August 20, 2008. "
HAR-229		HAR	PT02	FSAR02	02.03.01.T / T2.3.1-202	NPD-NRC-2008-035, H-0002, 02.03.01-02	
HAR-241		HAR	PT02	FSAR02	02.03.02	NPD-NRC-2008-028, H-0024, 02.03.03-3	Text of RAI response incorporated as change
HAR-237		HAR	PT02	FSAR02	02.03.02.01.03, 02.03.02.01.04.01	NPD-NRC-2008-027, H-0016, 02.03.02-3	Text of RAI response incorporated as change
HAR-365		HAR	PT02	FSAR02	02.03.02.01.07	H-0411	Revised "moderately stable (B)" to read "moderately unstable (B)."
HAR-239		HAR	PT02	FSAR02	02.03.02.02.01	NPD-NRC-2008-027, H-0020, 02.03.02-7	Text of RAI response incorporated as change
HAR-240		HAR	PT02	FSAR02	02.03.02.02.02	NPD-NRC-2008-027, H-0021, 02.03.02-8	Text of RAI response incorporated as change
HAR-236		HAR	PT02	FSAR02	02.03.02.T / T2.3.2-255	NPD-NRC-2008-027, H-0015, 02.03.02-2	Text of RAI response incorporated as change
HAR-238		HAR	PT02	FSAR02	02.03.02.T / T2.3.2-260	NPD-NRC-2008-027, H-0017, 02.03.02-4	Text of RAI response incorporated as change
HAR-244		HAR	PT02	FSAR02	02.03.03	NPD-NRC-2008-028, H-0029, 02.03.03-8	Text of RAI response incorporated as change
HAR-251		HAR	PT02	FSAR02	02.03.03, 02.03.03.T / T2.3.3-202	NPD-NRC-2008-040, H-0044, 07.05-1	Add Table 2.3.3-202 from RAI response.
HAR-243		HAR	PT02	FSAR02	02.03.03.01.05	NPD-NRC-2008-028, H-0028, 02.03.03-7	Text of RAI response incorporated as change
HAR-198		HAR	PT02	FSAR02	02.03.04	Consistency with R-COLA and DCD Titles.	Correct the title of Section 2.3.4 to match the DCD, as follows: "SHORT-TERM DIFFUSION ESTIMATES" and remove the LMA of STD DEP 1.1-1
HAR-253		HAR	PT02	FSAR02	02.03.04, 02.03.04.T / T2.3.4-201, 02.03.04.T / T2.3.4-203, 02.03.04.T / T2.3.4-206, 02.00, 02.01, 02.03	NPD-NRC-2008-069, H-0249, 15.00.03-1	Text of RAI response incorporated as change
HAR-247		HAR	PT02	FSAR02	02.03.04.01, 02.03.05.02	NPD-NRC-2008-030, H-0035, 02.03.05-1	Text of RAI response incorporated as change
HAR-366		HAR	PT02	FSAR02	02.03.04.04	H-0412	Deleted sentence stating "Plant north is given as 25 degrees counterclockwise."
HAR-252		HAR	PT02	FSAR02	02.03.04.T / T2.3.4-206	SUPERCEDED by HAR-253 NPD-NRC-2008-046, H-0080, 6.04-1	Revise Table 2.3.4-206 in accordance with NPD-NRC-2008-046, H-0080
HAR-314		HAR	PT02	FSAR02	02.03.04.T / T2.3.4-206	H-0416	Addressed by H-0413
HAR-245		HAR	PT02	FSAR02	02.03.04.T / T2.3.4-206, 02.03.04.T / T2.3.4-207	NPD-NRC-2008-029, H-0032, 02.03.04-1	Text of RAI response incorporated as change
HAR-246		HAR	PT02	FSAR02	02.03.04.T / T2.3.4-206, 02.03.04.T / T2.3.4-207	NPD-NRC-2008-029, H-0033, 02.03.04-2	See HAR-245.
HAR-313		HAR	PT02	FSAR02	02.03.04.T / T2.3.4-207	H-0413	H-0413 replaces H-0249.
HAR-199		HAR	PT02	FSAR02	02.03.05	Admin Consistency with Bellefonte R-COLA and DCD Titles.	Correct the title of Section 2.3.5 to match the DCD, as follows: "LONG-TERM DIFFUSION ESTIMATES" and remove the LMA of STD DEP 1.1-1
HAR-248		HAR	PT02	FSAR02	02.03.05.01	NPD-NRC-2008-030, H-0036, 02.03.05-2	Text of RAI response incorporated as change
HAR-249		HAR	PT02	FSAR02	02.03.05.T / T2.3.5-202	NPD-NRC-2008-030, H-0037, 02.03.05-3	Text of RAI response incorporated as change
HAR-214		HAR	PT02	FSAR02	02.03.T / T2.3.4-206	WEC DCD TR134 Rev 4 update per DCD change item NRC200	Revise Table to address revised release point locations.
HAR-242		HAR	PT02	FSAR02	02.0303.01.04	NPD-NRC-2008-028, H-0026, 02.03.03-5	Text of RAI response incorporated as change



Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-200		HAR	PT02	FSAR02	02.04	Consistency with R-COLA IBR and STD DEP statements	Page 2.4-1, Section 2.4 – Insert the following after the horizontal line and before section 2.4.1: "Subsection 2.4.1 of the DCD is renumbered as Subsection 2.4.15. This is being done to accommodate the incorporation of Regulatory Guide 1.206 numbering convention"
HAR-317		HAR	PT02	FSAR02	02.04 / 2.4-140	HAR Hydrology Audit	Change units for Darcy Flux from "ft <sup>3</sup> /day" to "ft <sup>3</sup> /ft <sup>2</sup> /day"
HAR-315		HAR	PT02	FSAR02	02.04 / 2.4-39 and 2.4-40	HAR Hydrology Audit	Change "Sanford" basin to "Durham" basin
HAR-316		HAR	PT02	FSAR02	02.04 / 2.4-40	HAR Hydrology Audit	Change "6" percent to "8" percent
HAR-201		HAR	PT02	FSAR02	02.04.01 through 02.04.14	Consistency with R-COLA IBR and STD DEP statements	Remove the LMA of STD DEP 1.1-1 from the title lines of Sections 2.4.2 through 2.4.14, per R-COLA.
HAR-319		HAR	PT02	FSAR02	02.04.12.01.01, 02.04.16	HAR Hydrology Audit	Remove sentence regarding porosity typically being 1 percent. Reference 2.4-237 marked as not used.
HAR-318		HAR	PT02	FSAR02	02.04.12.02.02	HAR Hydrology Audit	Subsection 2.4.12.2.2, 4th paragraph, Replace "ridge" w/ "divide"
HAR-322		HAR	PT02	FSAR02	02.04.12.05	HAR Hydrology Audit	Revise first sentence of 1st paragraph to clarify dewatering system use.
HAR-320		HAR	PT02	FSAR02	02.04.13.01	HAR Hydrology Audit	Revised 127,290 liters to 105,992 liters based.
HAR-321		HAR	PT02	FSAR02	02.04.13.01.01	HAR Hydrology Audit	Revise last sentence of 2nd paragraph to clarify hydraulic gradients.
HAR-202		HAR	PT02	FSAR02	02.04.15	Consistency with R-COLA IBR and STD DEP statements	Correct the use of horizontal separator lines in Section 2.4.15.
HAR-203		HAR	PT02	FSAR02	02.05	Consistency with R-COLA IBR and STD DEP statements	Revise STD DEP 1.1-1 introductory paragraph to only address Section 2.5.1 through 2.5.5 (2.5.6 is references in DCD). Revise the LMA for Section 2.5.0 to HAR SUP 2.5-1 instead of STD DEP 1.1-1. Remove STD DEP 1.1-1 LMAs from 2.5.1 through 2.5.5.
HAR-325		HAR	PT02	FSAR02	02.05.00.01.02, 02.05.00.03	Consistency change	Text moved and modified in this executive summary section due to numerous changes and restructuring of 2.5.1 and 2.5.3 caused by NRC LTR018 and LTR 030 RAs.
HAR-326		HAR	PT02	FSAR02	02.05.00.04	Editorial changes	Minor editorial changes from Rev - text ("respectively" and added units)
HAR-264		HAR	PT02	FSAR02	02.05.00.04, 02.05.04.08	Editorials/Typos/Corrections per Matt Gavin (L Young E-mail of 12/22/08)	Replace liquefaction text with new version per May transmittal to NRC
HAR-327		HAR	PT02	FSAR02	02.05.01	Consistency change	Reference changed from 2.5.1-202 to 2.5.1-358
HAR-360		HAR	PT02	FSAR02	02.05.01	NPD-NRC-2008-067: H-0138, H-0139, H-0140, H-0141, H-0142, H-0143, H-0144, H-0145, H-0146, H-0157, H-0158, H-0160, H-0162, H-0163, NPD-NRC-2009-001: H-0147, H-0149, H-0153, NPD-NRC-2008-095: H-0152, H-0154, H-0155, H-0156	Editorial changes from RAI to FSAR; these changes included editorial corrections, grammar selection, punctuation, spelling corrections, and insertion of correct FSAR numbers for figures, tables and references. Examples: 2.5.1.1.3: 1st paragraph, 5th sentence - modified list of "the Piedmont Province, Blue Ridge Province, ...." to the "Piedmont, Blue Ridge,.....provinces;" 2.5.1.1.4.2.5: added a paragraph break from RAI to show two paragraphs after header instead of one.
HAR-363		HAR	PT02	FSAR02	02.05.01, 02.05.03, TOC	Revised TOC	Revised TOC due to restructuring of 2.5.1 and 2.5.3 caused by numerous RAs listed elsewhere in this Roadmap.
HAR-364		HAR	PT02	FSAR02	02.05.01, TOC	Revised Figure List	Revised Figure list: resequenced Figures and deleted two figures and added numerous other new Figures in response to numerous RAs and other items listed elsewhere in this Roadmap; Also made editorial corrections to titles from RAI figures (e.g., F2.5.1-230 and 231, "Sheet 1 through 2" changed to "Sheet 1 and 2"; F2.5.1-263 Bogue corrected to "Bouguer")
HAR-280		HAR	PT02	FSAR02	02.05.01.01.01.05, 02.05.01.01.04.02.04, 02.05.01.F / F2.5.1-202, 02.05.01.F / F2.5.1-213	NPD-NRC-2008-067, H-0138, 2.05.01-1	Text of RAI response incorporated as change. Revise Figures 25.1-202 and 2.5.1-213.
HAR-281		HAR	PT02	FSAR02	02.05.01.01.02.01, 02.05.07, 02.05.01.F / F2.5.1-203, 02.05.01.F / F2.5.1-206, 02.05.01.F / F2.5.1-242, 02.05.01.F / F2.5.1-243	NPD-NRC-2008-067, H-0139, 2.05.01-2	Text of RAI response incorporated as change. Delete Figure 2.5.2-203 and replace with Figures 2.5.1-242 and 2.5.1-243. Revise Figure 2.5.1-206. Add references 2.5.1-348, 349, 350 and 351.

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-282		HAR	PT02	FSAR02	02.05.01.01.03, 02.05.01.01.03.01, 02.05.01.01.03.02, 02.05.01.01.03.03, 02.05.01.01.03.04, 02.05.01.01.03.05, 02.05.01.01.03.01.02, 02.05.01.01.03.01.02.04, 02.05.07, 02.05.01.F / F2.5.1-210, 02.05.01.F / F2.5.1-244, 02.05.01.F / F2.5.1-245, 02.05.01.F / F2.5.1-246, 02.05.01.F / F2.5.1-250	NPD-NRC-2008-067, H-0140, 2.05.01-3	Text of RAI response incorporated as change. Add Figures 2.5.1-244, 245, 246 and 250. Revise Figure 2.5.1-210. Add reference 2.5.1-352.
HAR-329		HAR	PT02	FSAR02	02.05.01.01.03.02	Consistency among RAIs	Added "but has no counterpart" from H-0141 to 3rd to last sentence of first paragraph.
HAR-283		HAR	PT02	FSAR02	02.05.01.01.03.02, 02.05.01.01.03.02.01, 02.05.07, 02.05.01.F / F2.5.1-211	NPD-NRC-2008-067, H-0141, 2.05.01-4	Text of RAI response incorporated as change. Revise Figure 2.5.1-211. Add reference 2.5.1-353.
HAR-328		HAR	PT02	FSAR02	02.05.01.01.03.03	Consistency among RAIs	Added "Reference 2.5.1-233" to text, Added "Within 80 km (50 mi.) of the HAR site, " (both as stated in H-0140) but used reference callouts as shown in 2.5.1.1.3.3, Paragraph 7 from H-0142
HAR-284		HAR	PT02	FSAR02	02.05.01.01.03.03, 02.05.02.F / F2.5.2-247, 02.05.02.F / F2.5.1-248, 02.05.02.F / F2.5.1-249	NPD-NRC-2008-067, H-0142, 2.05.01-5	Text of RAI response incorporated as change. Add Figures 2.5.1-247, 248 and 249.
HAR-286		HAR	PT02	FSAR02	02.05.01.01.04.02, 02.05.01.01.04.02.02, 02.05.07, 02.05.01.F / F2.5.1-211, 02.05.01.F / F2.5.1-213	NPD-NRC-2008-067, H-0144, 2.05.01-7	Text of RAI response incorporated as change. Revise Figure 2.5.1-213. Add references 2.5.1-348, 352, 354, 356, 357.
HAR-285		HAR	PT02	FSAR02	02.05.01.01.04.02.01, 02.05.01.01.04.02.02, 02.05.07, 02.05.01.F / F2.5.1-213	NPD-NRC-2008-067, H-0143, 2.05.01-6	Text of RAI response incorporated as change. Revise Figure 2.5.1-213. Add references 2.5.1-348, 352, 355, 356, 357.
HAR-330		HAR	PT02	FSAR02	02.05.01.01.04.02.02	Revision from RAI to FSAR	Change the 1st Paragraph, 3rd Sentence of Subsection 2.5.1.1.4.2.2 from: "The significance of the Acadian orogeny in the southern and central Appalachians is uncertain and preceded the late Paleozoic Alleghanian orogeny" to read "The Acadian orogeny in the southern and central Appalachians precede the late Paleozoic Alleghanian orogeny; the significance of the Acadian orogeny in the southern and central Appalachians is uncertain"
HAR-331		HAR	PT02	FSAR02	02.05.01.01.04.02.02	Correcting error in RAIs	Change the 5th paragraph of Subsection 2.5.1.1.4.2.2 Reference from 2.5.1-348 (RAI Ref 2.5.1-16 02) to 2.5.1-355 (RAI Ref 2.5.1-16 01); RAI 2.5.1-07 had same error, but also did not have the correct reference in the RAI reference list.
HAR-287		HAR	PT02	FSAR02	02.05.01.01.04.02.03, 02.05.01.02.04, 02.05.01.02.04.01, 02.05.07, 02.05.01.F / F2.5.1-216, 02.05.01.F / F2.5.1-229, 02.05.01.F / F2.5.1-230, 02.05.01.F / F2.5.1-255	NPD-NRC-2008-067, H-0145, 2.05.01-8	Text of RAI response incorporated as change. Add Figure 2.5.1-255. Revise Figures 2.5.1-216, 2.5.1-229 and 230. Add reference 2.5.1-386.
HAR-288		HAR	PT02	FSAR02	02.05.01.01.04.02.04, 02.05.01.01.04.02.05, 02.05.07, 02.05.01.F / F2.5.1-213, 02.05.01.F / F2.5.1-216, 02.05.01.F / F2.5.1-258, 02.05.01.T / T2.5.1-205	NPD-NRC-2008-095, H-0146, 2.05.01-9	Text of RAI response incorporated as change. Revise Figures 2.5.1-213 and 216. Add Figure 2.5.1-258. Add references 2.5.1-358, 359, 360, 361, 362 and 363.
HAR-332		HAR	PT02	FSAR02	02.05.01.01.04.02.05.01	Correct error in RAIs	Callout of Reference RAI 02.05.01-15 02 in H-0152 was incorrect (should have been 03), did not impact FSAR
HAR-335		HAR	PT02	FSAR02	02.05.01.01.04.02.05.02, Bullet Item 4	Correct error in RAIs	Changed Reference from 2.5.1-365 to 2.5.1-360 (mistake in RAI ref callout)

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-336		HAR	PT02	FSAR02	02.05.01.01.04.02.05.0 2.02, Bullet Item 6	Correct error in RAIs	Added missing Reference 2.5.1-365 (not present in RAI)
HAR-337		HAR	PT02	FSAR02	02.05.01.01.04.02.05.0 2.02, Heading: East Coast Fault System Central Segment, Geological and Geophysical Data, 2nd Paragraph	Correct error in RAIs	Reversed callouts to References 2.5.1-243 and 2.5.1-256
HAR-339		HAR	PT02	FSAR02	02.05.01.01.04.02.05.0 3, Heading Fall Lines in the HAR Site Vicinity, Bullet Item 4	Correct error in RAI	Removed "Sheet 2 of 6" from RAI to match the version of the figure included in the FSAR
HAR-340		HAR	PT02	FSAR02	02.05.01.01.04.02.05.0 3, Heading Fall Lines in the HAR Site Vicinity, Bullet Item 5	Consistency	RAI Figure 2.5.1-12 Figure 4 was not included in the FSAR due to low quality
HAR-341		HAR	PT02	FSAR02	02.05.01.01.04.02.05.0 3, Heading Fall Lines in the HAR Site Vicinity, Bullet Item 9	Consistency	RAI Figure 2.5.1-12 Figure 5 was not included in the FSAR due to low quality
HAR-342		HAR	PT02	FSAR02	02.05.01.01.04.02.05.0 3, Heading Fall Lines in the HAR Site Vicinity, Bullet Item 9	Correct error in RAI	Reference incorrect in the RAI (listed as 2.5.1-11 05, should be 2.5.1-12 05); corrected for FSAR.
HAR-305		HAR	PT02	FSAR02	02.05.01.01.04.02.05.0 5 (becomes 2.5.1.1.4.2.5.2.2 in Rev 1), 02.05.07, 02.05.01.T / T2.5.1-202, 02.05.01.F / F2.5.1-218, 02.05.01.F / F2.5.1-219, 02.05.01.F / F2.5.1-220, 02.05.01.F / F2.5.1-238, 02.05.01.F / F2.5.1-253, 02.05.01.F / F2.5.1-256, 02.05.01.F / F2.5.1-252, 02.05.01.F / F2.5.1-251, 02.05.01.T / T2.5.1-202	NPD-NRC-2009-001, H-0147, 2.05.01-10	Text of RAI response incorporated as change. Revise Figures 2.5.1-218, 219, 220 and 238. Add Figures 2.5.1-251, 252, 253, 254 and 256. Add references 2.5.1-360, 364, 365, 366, 367, 368 and 369.
HAR-307		HAR	PT02	FSAR02	02.05.01.01.04.02.05.0 6 (becomes 2.5.1.1.4.2.5.2.3 in Rev 1), 02.05.07, 02.05.01.F / F2.5.1-219, 02.05.01.F / F2.5.1-220, 02.05.01.F / F2.5.1-257	NPD-NRC-2009-001, H-0149, 2.05.01-12	Text of RAI response incorporated as change. Revise Figures 2.5.2-219 and 220. Add Figure 2.5.1-257. Add references 2.5.1-371, 373 and 375. Reference 2.5.1-374 added but text corrected from RAI response.
HAR-291		HAR	PT02	FSAR02	02.05.01.01.04.02.06.0 1 (becomes 2.5.1.1.4.2.5.1.3 in Rev 1), 02.05.01.01.04.02.05.0 4 (becomes 2.5.1.1.4.2.5.2.1 in Rev 1), 02.05.07, 02.05.01.F / F2.5.1-216	NPD-NRC-2008-095, H-0152, 2.05.01-15	Text of RAI response incorporated as change. Revise Figure 2.5.1-216. Add references 2.5.1-361, 362 and 363.
HAR-308		HAR	PT02	FSAR02	02.05.01.01.04.03, 02.05.07, 02.05.01.F / F2.5.1-259	NPD-NRC-2009-001, H-0153, 2.05.01-16	Text of RAI response incorporated as change. Add Figure 2.5.1-259. Add references 2.5.1-364, 370, 377, 378, 379, 380, 381, 382, 383 and 384.
HAR-343		HAR	PT02	FSAR02	02.05.01.01.04.03, Heading Sawmill Branch Fault, 3rd Paragraph	Correct error in RAI	Change Reference 2.5.1-377 to 2.5.1-378; incorrect Ref callout in RAI (2.5.1-16 01 should have been 02).
HAR-292		HAR	PT02	FSAR02	02.05.01.01.04.04.02, 02.05.01.01.04.04.01, 02.05.01.F / F2.5.1-228	NPD-NRC-2008-095, H-0154, 2.05.01-17	Text of RAI response incorporated as change. Revise Figure 2.5.1-228.

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HAR-293		HAR	PT02	FSAR02	02.05.01.02.02, 02.05.07, 02.05.01.F / F2.5.1-230, 02.05.01.F / F2.5.1-237, 02.05.01.F / F2.5.1-260	NPD-NRC-2008-095, H-0155, 2.05.01-18	Text of RAI response incorporated as change. Revise Figures 2.5.1-230 and 237. Add Figure 2.5.1-260. Add references 2.5.1-352 and 385.
HAR-294		HAR	PT02	FSAR02	02.05.01.02.03.01, 02.05.01.02.03.02, 02.05.07, 02.05.01.F / F2.5.1-208, 02.05.01.F / F2.5.1-261	NPD-NRC-2008-095, H-0156, 2.05.01-19	Text of RAI response incorporated as change. Revise Figure 2.5.1-208. Add Figure 2.5.1-261. Add references 2.5.1-352, 386 and 387.
HAR-295		HAR	PT02	FSAR02	02.05.01.02.04 and subsections up to and including 02.05.01.02.04.03, 02.05.07, 02.05.01.F / F2.5.1-236	NPD-NRC-2008-067, H-0157, 2.05.01-20	Text of RAI response incorporated as change. Revise Figure 2.5.1-236. Add references 2.5.1-385, 386 and 389.
HAR-297		HAR	PT02	FSAR02	02.05.01.02.04.01.01 (becomes 2.5.1.2.4.1.1.3 in Rev 1), 02.05.01.02.04.02, 02.05.03	NPD-NRC-2008-067, H-0160, 2.05.01-23	Text of RAI response incorporated as change.
HAR-334		HAR	PT02	FSAR02	02.05.01.02.04.01.01.0 1,	Correct error in RAI	Subsection 2.5.1.2.4.1.1.1, 3rd paragraph: Callout to reference added to end of paragraph
HAR-296		HAR	PT02	FSAR02	02.05.01.02.04.04.01, 02.05.01.F / F2.5.1-263	NPD-NRC-2008-067, H-0158, 2.05.01-21	Text of RAI response incorporated as change. Add Figure 2.5.1-263.
HAR-356		HAR	PT02	FSAR02	02.05.01.02.04.04.03	Editorial Correction	Subsection 2.5.1.2.4.4.3, 2nd paragraph, last sentence: Complete dual dimensioning information.
HAR-298		HAR	PT02	FSAR02	02.05.01.03.02.01.02 (becomes 2.5.1.2.4.1.1.3 in Rev 1)	NPD-NRC-2008-067, H-0162, 2.05.01-25	Text of RAI response incorporated as change
HAR-290		HAR	PT02	FSAR02	02.05.01.F / F2.5.1-219	NPD-NRC-2008-067, H-0151, 2.05.01-14	Text of RAI response incorporated as change. Revise Figure 2.5.1-219.
HAR-354		HAR	PT02	FSAR02	02.05.01.F / F2.5.1-233	Consistency	RAI implied that F2.5.1-233 would be revised; Figure was not revised for Rev 1; remains as Rev 0 version.
HAR-344		HAR	PT02	FSAR02	02.05.01.T / T2.5.1-201	Changes made in response to NRC audit	Additional and expanded descriptions provided in General Information column; VAL package provided.
HAR-275		HAR	PT02	FSAR02	02.05.01-232.F / F2.5.1-232 02.05.01-239.F / F2.5.1-239 02.05.03-201.F / F2.5.3-201 02.05.03-202.F / F2.5.3-202	Editorials/Typos/Corrections per Matt Gavin (L Young E-mail of 12/22/08)	Diabase dike locations (potential) are incorrect - "lineament" and anomaly W of HAR 2 are not dikes. Correct.
HAR-259		HAR	PT02	FSAR02	02.05.02	Correct typo in calculations and tables of response spectra (B. Youngs-Geomatrix, E-mail to L Young, 12/3/08)	The typo is frequencies that should end as 0.000 are listed as 0.343 (e.g., 13.333 appears as 13.343, 1.333 appears as 1.343).
HAR-361		HAR	PT02	FSAR02	02.05.02	NPD-NRC-2008-049, H-0098, H-0100, H-0102, H-0103, H-0105, H-0107, H-0114	Editorial changes from RAI to FSAR; these changes included editorial corrections, grammar selection, punctuation, spelling corrections, and insertion of correct FSAR numbers for figures, tables and references. Example: Added paragraph breaks in section 2.5.2.4.2.1 starting at 4th paragraph.
HAR-347		HAR	PT02	FSAR02	02.05.02.01.02	NPD-NRC-2008-049, H-0100, 2.05.02-04	Revise 2.5.2.1.2 entry for 1/8/1817
HAR-345		HAR	PT02	FSAR02	02.05.02.01.02, 02AA	NPD-NRC-2008-049, H-0098, 2.05.02-02	Revise Appendix 2AA; Revise 2.5.2.1.2 entries for 10/22/1886 and 6/12/1912
HAR-353		HAR	PT02	FSAR02	02.05.02.04.01.01.02,	Editorial Correction	Subsection 2.5.2.4.1.1.2, 2nd paragraph, last sentence: add "large" to clarify "large magnitude earthquakes"
HAR-348		HAR	PT02	FSAR02	02.05.02.04.02.01	NPD-NRC-2008-049, H-0102, 2.05.02-06	Revise 2.5.2.4.2.1 (minor edit)
HAR-351		HAR	PT02	FSAR02	02.05.02.04.02.01, 02.05.07, 02.05.02.F / F2.5.2-221	NPD-NRC-2008-049, H-0107, 2.05.02-11	Revise 2.5.2.4.2.1 (several paragraphs)
HAR-349		HAR	PT02	FSAR02	02.05.02.05, 02.05.01-240.F / F2.5.1-240	NPD-NRC-2008-049, H-0103, 2.05.02-07	Revise 2.5.2.5 and Revise figure note on Figure 2.5.1-240
HAR-350		HAR	PT02	FSAR02	02.05.02.T / T2.5.2-205	NPD-NRC-2008-049, H-0105, 2.05.02-09	Revise Table 2.5.2-205

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HAR-362		HAR	PT02	FSAR02	02.05.03	NPD-NRC-2008-067, H-0160, H-0164, H-0165, H-0166, H-0167, H-0168	Editorial changes from RAI to FSAR; these changes included editorial corrections, grammar selection, punctuation, spelling corrections, and insertion of correct FSAR numbers for figures, tables and references. Examples: Section 2.5.3.2.1, 5th paragraph, 2nd sentence: added the text "where it crosses" before the text "Highway 1" for clarity; section 2.5.3.6, bullet item 3 under 1st paragraph: changed text from "section 1" to "bullet item 1" for clarity.
HAR-299		HAR	PT02	FSAR02	02.05.03.02.01.04 (becomes 2.5.1.2.4.1.1.4 in Rev 1), 02.05.01.F / F2.5.1-262	NPD-NRC-2008-067, H-0163, 2.05.01-26	Text of RAI response incorporated as change. Add Figure 2.5.1-262.
HAR-300		HAR	PT02	FSAR02	02.05.03.02.01.05 (becomes 2.5.3.2.1 in Rev 1), 2.5.3.2.1, 2.5.3.2.2, 02.05.03.F / F2.5.3-206, 02.05.03.F / F2.5.3-207	NPD-NRC-2008-067, H-0164, 2.05.01-27	Text of RAI response incorporated as change. Revise Figures 2.5.3-206 and 207.
HAR-301		HAR	PT02	FSAR02	02.05.03.02.01.06 (becomes 2.5.1.2.4.1.1.6), 02.05.07, 02.05.01.F / F2.5.1-230, 02.05.01.F / F2.5.1-231	NPD-NRC-2008-067, H-0165, 2.05.01-28	Text of RAI response incorporated as change. Revise Figures 2.5.1-230 and 231.
HAR-302		HAR	PT02	FSAR02	02.05.03.02.02 (becomes 2.5.3.2.1 in Rev 1), 02.05.03.F / F2.5.3-203, 02.05.03.F / F2.5.3-206, 02.05.01.F / F2.5.1-241	NPD-NRC-2008-067, H-0166, 2.05.01-29	Text of RAI response incorporated as change. Revise Figures 2.5.3-203, 2.5.3-206 and 2.5.1-241.
HAR-303		HAR	PT02	FSAR02	02.05.03.04, 02.05.03.02.02 (becomes 2.5.3.2.1 in Rev 1)	NPD-NRC-2008-067, H-0167, 2.05.01-30	Text of RAI response incorporated as change
HAR-304		HAR	PT02	FSAR02	02.05.03.06	NPD-NRC-2008-067, H-0168, 2.05.01-31	Text of RAI response incorporated as change
HAR-355		HAR	PT02	FSAR02	02.05.03.F / F2.5.3-205	Changes made in response to NRC audit	Figure 2.5.3-205 was updated in response to NRC audit to clarify structures on a photograph with the Jonesboro Fault.
HAR-255		HAR	PT02	FSAR02	02.05.04	NPD-NRC-2008-050, H-0115, 02.05.04-1	The citation for Reference 2.5.4-229 will be revised from: "Technos, MASW survey Services - Harris Nuclear Plant - COLA Site - Raleigh, North Carolina, February 15, 2007." to read: "Technos, Inc. "MASW Survey Services - Harris Nuclear Plant - COLA Site - Raleigh, North Carolina". Technos Report Number 06-144c. February 15, 2007 (Revised July 18, 2007).
HAR-256		HAR	PT02	FSAR02	02.05.04	NPD-NRC-2008-050, H-0116, 02.05.04-2	See HAR-255.
HAR-357		HAR	PT02	FSAR02	02.05.04.10.03.03	Editorial Correction	Subsection 2.5.4.10.3.3, 2nd paragraph, first bullet point: Correct dual dimensioning values.
HAR-207		HAR	PT02	FSAR02	02.05.04.F / F2.5.4-212B	Editorial Correction	Admin review notes made during integrated COLA review for references in Revision 0 of FSAR Chapter 2 were consulted and corrections made in the Revision 1 update.
HAR-208		HAR	PT02	FSAR02	02.05.04.F / F2.5.4-212B	Editorial Correction	Correct the elevation shown in Figure 2.5.4-212B
HAR-216		HAR	PT02	FSAR02	02.05.04.F / F2.5.4-212B	Editorial Correction	Correct the elevation for the extent of excavation on Fig. 2.5.4-212B
HAR-262		HAR	PT02	FSAR02	02.05.04.F / F2.5.4-212B	Editorial Correction	Fix excavation extent line at 220, and associated Top of Sound Rock line
HAR-267		HAR	PT02	FSAR02	02.05.04.F/F2.5.4-203A,B	Editorial Correction	Confirm that magnetometer survey locations are correctly referenced (2.5.4-214 vs. 203A,B)
HAR-269		HAR	PT02	FSAR02	02.05.04.F/F2.5.4-207A,D	Editorial Correction	(Point load index test results): Elevation 220 shows up twice (typo)
HAR-260		HAR	PT02	FSAR02	02.05.04.T / T2.5.4-208	Editorial Correction	Resolve sample depth inconsistencies (rounding) compared with Table 2.5.4-209
HAR-261		HAR	PT02	FSAR02	02.05.04.T / T2.5.4-208	Editorial Correction	BPA-12, PT-2 - 48 percent fines can't be CL (SC?). SAME with BPA-49, SC-4
HAR-265		HAR	PT02	FSAR02	02.05.04.T/T02.05.04-205	Editorial Correction	Change "siltstone" to sandstone for 2 samples in Table 2.5.4-205 (SEE 2nd SHEET)
HAR-268		HAR	PT02	FSAR02	02.05.04/GLOBAL	Editorial Correction	Elevation should cite NGVD 29, NOT "amsl". This is editorial - NGVD 29 was used throughout.

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HAR-266		HAR	PT02	FSAR02	02.05.04F / F2.5.4-	Editorial Correction	Figures - Confirm "clay seams" shown on PLT and BH Vs plots (editorial)
HAR-271		HAR	PT02	FSAR02	02.05.04F/F2.5.4-203A and 203B	Editorial Correction	Add seismic refraction survey line IDs (i.e., "Line 300E", etc.)
HAR-272		HAR	PT02	FSAR02	02.05.04F/F2.5.4-204, 205, 211, 212	Editorial Correction	Correct "tweaks" to clay seams on X-sections - Figures 2.5.4-204A/B, 205A/B, 211A/B, 212A/B.
HAR-279		HAR	PT02	FSAR02	02.05.04F/F2.5.4-204B	Editorial Correction	"Extent of Nuclear Island" lines shown shifted ~20 feet N of where should be (Should center on BPA-8) - fix on figure
HAR-274		HAR	PT02	FSAR02	02.05.04F/F2.5.4-207A-D	Editorial Correction	Correct "BH Log Images" on Figures 2.5.4-207A-D (PLT results): ALL - text too big for graphic log title; 207A, add ( ) around 0.15' clay seam; 207D, move log up ~1 ft, add ( ) around "0.1" clay seam.
HAR-273		HAR	PT02	FSAR02	02.05.04F/F2.5.4-209A-G	Editorial Correction	Correct "BH Log Images" on Figures 2.5.4-209A-G: 209A, move log down ~3 ft; 209B, remove "0.1" clay
HAR-276		HAR	PT02	FSAR02	02.05.04F/F2.5.4-209A-G	Editorial Correction	Fix SASW survey line locations: Lines E&F @ BPA-48, Lines C&D @ BPA-49. Locations are correct on Figure 2.5.4-203A/B
HAR-277		HAR	PT02	FSAR02	02.05.04F/F2.5.4-209F	Editorial Correction	Fix Figure 2.5.4-209F - SASW [profiles should be based on SASW ground elevation, not BPA-49 ground
HAR-270		HAR	PT02	FSAR02	02.05.04F/F2.5.4-216A and 216B	Editorial Correction	Note on F216B regarding the "sedge" should cover fracture sets 1 and 2, not just 2
HAR-278		HAR	PT02	FSAR02	02.05.07	Editorial Correction	Reference 2.5.4-210 - Fix ISRM 1981 to reference publication "Rock Characterization Testing & Monitoring," ed. E. T. Brown 1981, which INCLUDES the "Suggested Methods for the Quantitative..." as a chapter.
HAR-289		HAR	PT02	FSAR02	02.05.07	NPD-NRC-2008-067, H-0150, 2.05.01-13	Text of RAI response incorporated as change
HAR-312		HAR	PT02	FSAR02	02.05.07	Editorial change	Removed "http://" from the references.
HAR-358		HAR	PT02	FSAR02	02.05.07	Correction of references	Corrected minor errors, resequenced and added new references due to other entries in this Roadmap (e.g. RAIs, NPITs, etc.)
HAR-359		HAR	PT02	FSAR02	02.05.07	Editorial Correction	Subsection 2.5.7, Reference 2.5.2-217: Added "final" to title of reference.
HAR-306		HAR	PT02	FSAR02	02.05.07, 02.05.01.F / F2.5.1-220	NPD-NRC-2009-001, H-0148, 2.05.01-11	Text of RAI response incorporated as change. Revise Figure 220. Add Figure 2.5.1-257. Add reference 2.5.1-372.
HAR-206		HAR	PT02	FSAR02	02.05.F / F2.5.1-233	Editorial Correction	the title block lettering is above the lines. It isn't distorting the figure but it should be fixed in the revision 1 of the COLA
HAR-205		HAR	PT02	FSAR02	02AA	Editorial Correction	Correct Appendix 2AA by removing "Revision Draft B"
HAR-257		HAR	PT02	FSAR02	02AA	NPD-NRC-2008-049, H-0114, 02.05.02-18	Text of RAI response incorporated as change
HAR-346		HAR	PT02	FSAR02	02AA	NPD-NRC-2008-049, H-0099, 2.05.02-03	Make a change to one column of Appendix 2AA
HAR-352		HAR	PT02	FSAR02	02AA, 02.05.02.04.01.01.01, 02.05.02.01.02, 02.05.02.F / F2.5.2-214	NPD-NRC-2008-049, H-0114, 2.05.02-18	Replace App. 2AA, revise 2.5.2.4.1.1.1, revise 2.5.2.1.2 and revise fig 2.5.2-214
HAR-263		HAR	PT02	FSAR02	02BB Borehole Logs	Editorial Correction	Appendix 2BB Fix three examples of recovery < RQD, plus editorial review
<b>Chapter 3</b>							
HAR-031		HAR	PT02	FSAR03	03.02	NPD-NRC-2008-076, H-0267	Revise FSAR Section 3.2 to add Table 3.2-201 in accordance with the response to RAI H-0267
1196		STD	PT02	FSAR03	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).
HAR-030		HAR	PT02	FSAR03	03.02.01	NPD-NRC-2008-074, H-0265	Add the following sentences to the end of FSAR Subsection 3.2.1: "The nonsafety-related structures, systems, and components outside the scope of the DCD are classified as non-seismic (NS)." And "There are no site-specific nonsafety-related SSCs outside the scope of the DCD that are important to safety." Add the LMA "HAR SUP 3.2-3."
HAR-029		HAR	PT02	FSAR03	03.02.02	NPD-NRC-2008-077, H-0263	Add the following sentence to the end of FSAR Subsection 3.2.2: "There are no site-specific nonsafety-related SSCs outside the scope of the DCD that are important to safety." Add the LMA "HAR SUP 3.2-4."

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
1446	BLN-0032	HAR	PT02	FSAR03	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 HAR COL 3.5-1 to the wording of these section
1442	BLN-0028	HAR	PT02	FSAR03	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 1.1-201) 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."
716		STD	PT02	FSAR03	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	HAR	PT02	FSAR03	03.05.01.05, 03.05.01.06	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 HAR COL 3.3-1 to the wording of these section

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
1443	BLN-0029	HAR	PT02	FSAR03	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 HAR 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."
1823		STD	PT02	FSAR03	03.06.04.01	Superseded by HAR-028 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)
HAR-028		HAR	PT02	FSAR03	03.06.04.01	Conforming change to Part 10 change in NPD-NRC-2008-087, H-0264	Replace paragraph in Subsection 3.6.4.1 with three paragraphs in the response to Letter NPD-NRC-2008-087, RAI H-0264 for COLA Part 10. Change LMA from "STD COL 3.6-1" to "HAR COL 3.6-1."
HAR-023		HAR	PT02	FSAR3	03.06.04.04, TOC	Admin Match the title in the DCD and in the body of the Chapter	In the title for Section 3.6.4.4, the word, "Before" should be lower case (e.g., before)
HAR-027		STD	PT02	FSAR03	03.07.01.01.02	Editorial corrections	Revise the first four sentences of the second paragraph of Subsection 3.7.1.1.2 to read:  "These nuclear spectra are essentially enveloped by the CSDRS. For the HAR 3 site, the nuclear island FIRS exceeds the Westinghouse CSDRS in the frequency range of 33 to 35 Hz by a maximum value of 3 percent. However, these spectra were further included in a 2D SASSI site-specific soil structure interaction (SSI) analysis, (Westinghouse Seismic Bounding Study). This study did not considered backfill material adjacent to the nuclear island that included shear wave velocities from 300 fps to 1200 fps and dry density from 105 to 135 pcf."
1303		STD	PT02	FSAR03	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.
314	AP-STD-0221	STD	PT02	FSAR03	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."
2196		STD	PT02	FSAR03	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:



Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
331		STD	PT02	FSAR03	03.09.03.04.04	Superseded by Qb 937 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	PT02	FSAR03	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.
2198		STD	PT02	FSAR03	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	PT02	FSAR03	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
332		STD	PT02	FSAR03	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	PT02	FSAR03	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	PT02	FSAR03	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	PT02	FSAR03	03.09.06.02.02	RAI LTR 007 response to RAI 03.09.06-11	COLA Part 2, FSAR Chapter 3, Subsection 3.9.6.2.2, paragraph titled "Other Power-Operated Valve Operability Tests" will be expanded beyond the existing paragraph.
1224		STD	PT02	FSAR03	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	STD	PT02	FSAR03	03.09.06.02.04	Grammatical error	In the first line, add "s" after "Preservice test."
1225		STD	PT02	FSAR03	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.

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1226		STD	PT02	FSAR03	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 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.
1600		STD	PT02	FSAR03	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).
336		STD	PT02	FSAR03	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).
1826		STD	PT02	FSAR03	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 Borchardt)
1228		STD	PT02	FSAR03	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: 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
<b>Chapter 4</b>							
No Change							
<b>Chapter 5</b>							
742		STD	PT02	FSAR05	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	PT02	FSAR05	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)
620		STD	PT02	FSAR05	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	PT02	FSAR05	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.

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
741		STD	PT02	FSAR05	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.
2023		HAR	PT02	FSAR05	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, is changed by replacing "year/addenda" with "edition/addenda."
1514	AP-STD-0319	STD	PT02	FSAR05	05.02.01.01	Editorial	In the introductory sentence, add the word "of" between the words "sentence" and "the"
302		STD	PT02	FSAR05	05.02.03.02.01	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 discussion of monitoring of water chemistry is implemented using the guidance of EPRI TR-1 002884.
2154		STD	PT02	FSAR05	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	PT02	FSAR05	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	STD	PT02	FSAR05	05.02.04.01	Superseded by RAI LTR 074 response to RAI 05.02.04-05	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 "Groble."
1227	AP-STD-0166b	STD	PT02	FSAR05	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	PT02	FSAR05	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	PT02	FSAR05	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."
HAR-032		HAR	PT02	FSAR05	05.03	BLN RAI LTR 002 Supplement 2 response to RAI 05.03.01-01(a)	Section 5.3.2.6 revised per 12/19/08 response to letter 2 for NRC RAI 05.03.01-01(a)
1476	AP-STD-0281	STD	PT02	FSAR05	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."
HAR-033		HAR	PT02	FSAR05	05.04.02.05	Removal of extraneous word, "and" after "coolant."	Third paragraph, revise to read, "The tube surveillance and degradation monitoring programs include provisions to maintain the compatibility of steam generator tubing with primary and secondary coolant to limit the steam generators..."
<b>Chapter 6</b>							
303		STD	PT02	FSAR06	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.
166	AP-STD-0111	STD	PT02	FSAR06	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)

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
730		STD	PT02	FSAR06	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.
HAR-034		HAR	PT02	FSAR06	06.03.08.02	SUPERSEDED by Qb 1632 The LMA was erroneously omitted.	Add LMA of STD COL 6.3-2 by new section to match LNP COLA. Section later deleted.
1632		STD	PT02	FSAR06	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.
HAR-035		HAR	PT02	FSAR06	06.04.04.02	Editorial correction	In HAR COL 6.4-1, delete the second word "that" in the first sentence.
980	AP-STD-0140	STD	PT02	FSAR06	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	STD	PT02	FSAR06	06.06.04	The LMA was erroneously labeled as supplemental information when in fact it is to respond to an information item.	The LMA "STD SUP 6.6-1" should be "STD COL 6.6-1."
<b>Chapter 7</b>							
HAR-036		HAR	PT02	FSAR07	07.05	SUPERSEDED by HAR-059 NPD-NRC-2008-040, H-0044	Revised Section 7.5 to add Table 7.5-201.
HAR-037		HAR	PT02	FSAR07	7.05	BLN 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. HAR 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".
HAR-059		HAR	PT02	FSAR07	07.05	NPD-NRC-2009-015, H-0407	Revised Section 7.5 to add Table 7.5-201.
<b>Chapter 8</b>							
HAR-046		HAR	PT02	FSAR08	08.02.01, 08.02.01.01.03	NPD-NRC-2008-072, H-0256	Revise the second sentence in the sixth paragraph on page 8.2-2 (Subsection 8.2.1) and the third sentence in the second paragraph on page 8.2-4 (Subsection 8.2.1.1.3) in accordance with the RAI response.
HAR-045		HAR	PT02	FSAR08	08.02.01.02.01	NPD-NRC-2008-072, H-0255	The following change will be made to the HAR FSAR in a future amendment: Delete the second sentence in the first paragraph on page 8.2-8 (Subsection 8.2.1.2.1). "Transformer protection consists of two different high speed schemes.~
HAR-411		HAR	PT02	FSAR08	08.02.T / T8.2-201 08.02.T / T8.2-202 08.02.T / T8.2-203 08.02.T / T8.2-204	WEC DCD Rev 17 conforming change	Revise Figures 8.2-201, 202, 203, and 204 to incorporate the transformer placement change in DCD Rev. 17.
<b>Chapter 9</b>							
688		STD	PT02	FSAR09	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	PT02	FSAR09	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

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
689		STD	PT02	FSAR09	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: • Identification of components to be examined • Examination techniques • Inspection Intervals • Examination categories and requirements • Evaluation of examination results
914		STD	PT02	FSAR09	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	PT02	FSAR09	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	PT02	FSAR09	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."
HAR-042		HAR	PT02	FSAR09	09.02	NPD-NRC-2008-043, H-0089	Revise Section 9.2 to add Subsection 9.2.1.2.2.
1060	AP-STD-0220	STD	PT02	FSAR09	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	PT02	FSAR09	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."
1021	AP-STD-0181	STD	PT02	FSAR09	09.02.08.05	Incorrect spelling	Change "vale" to "valve"
HAR-041		HAR	PT02	FSAR09	09.02.09.02.02, 09.02, 09.02.13.02	NPD-NRC-2008-042, H-0085	Revise the first sentence of FSAR Subsection 9.2.9.2.2 from: "Add the following paragraph at the end of the text under the heading "Waste Water Retention Basin" in DCD Subsection 9.2.9.2.2." To read: "Add the following paragraphs at the end of the text under the heading "Waste Water Retention Basin" in DCD Subsection 9.2.9.2.2."  Revise Subsection 9.2.9.2.2 to add paragraph on basin transfer pumps. Revise Section 9.2 to add Subsection 9.2.9.5. Revise Subection 9.2.13.2 to reference Subsection 9.2.9.5.
HAR-038		HAR	PT02	FSAR09	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 4th bullet from the RWS system function list - this bullet currently reads "• Providing alternate makeup to the SWS from the secondary fire water tank clearwell."
985	AP-STD-0145	STD	PT02	FSAR09	09.03.07	Second paragraph – "ANSI/ISA-7.3-1981" should be "ANSI/ISA-S7.3-1981".	Change "ANSI/ISA-7.3-1981" to "ANSI/ISA-S7.3-1981".
986	AP-STD-0146	STD	PT02	FSAR09	09.04.01.04	First paragraph – "ASME 509-1989" should be "ASME N509-1989"	Change "ASME 509-1989" to "ASME N509-1989"
HAR-058		STD	PT02	FSAR09	09.04.07.04	First paragraph – "ASME 509-1989" should be "ASME N509-1989"	Change "ASME 509-1989" to "ASME N509-1989"
HAR-043		HAR	PT02	FSAR09	09.05.01.06	NPD-NRC-2008-044, H-0088	Revise Subsection 9.5.1.6 to refer to Subsections 9.5.1.9.1 and 9.5.1.8.7 instead of Subsection 9.5.1.9.2 and 9.5.1.9.7.

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641		STD	PT02	FSAR09	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		HAR	PT02	FSAR09	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	PT02	FSAR09	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	PT02	FSAR09	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 - fires involving hydrogen - fires involving flammable and combustible liquids or hazardous process chemicals - fires resulting from construction or modifications (welding)□ - fires involving record files
960		STD	PT02	FSAR09	09.05.01.08.02.02.01(j)	RAI LTR 091 response to RAI 09.05.01-15 item 3	3. COLA Part 2, FSAR Chapter 9, Section 9.5.1.8.2.2.1(j), will be revised from: j. Review of fire fighting procedures and procedure changes. To read: j. Detailed review of fire fighting strategies, procedures and procedure changes.
961		STD	PT02	FSAR09	09.05.01.08.02.02.03	RAI LTR 091 response to RAI 09.05.01-15 item 4	4. COLA Part 2, FSAR Chapter 9, Section 9.5.1.8.2.2.3, first sentence, will be revised from: Practice sessions are held for fire brigade members on the proper method of fighting various types of fires which might occur in the plant. To read: 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.
857		STD	PT02	FSAR09	09.05.01.08.04	RAI LTR 058 response to RAI 09.05.01-10	COLA Part 2, FSAR Chapter 9, Subsection 9.5.1.8.4.a will be revised from: 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. To read: a. Prohibit the storage of combustible materials (including unused ion exchange resins) in areas that contain or expose safety-related equipment.
HAR-040		HAR	PT02	FSAR09	09.05.02.05.03	Admin	Subsection 9.5.2.5.3: LMA "HAR COL 9.5-11" should be "STD COL 9.5-11," since wording is identical.

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912		STD	PT02	FSAR09	09.05.04.05.02	RAI LTR 092 response to RAI 09.05.04-01(b)	COLA Part 2, FSAR. Chapter 9, Section 9.5.4.5.2 will be revised from: High fuel oil quality is provided... ...may be performed after the addition of new oil. To read: 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. 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. 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. 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	PT02	FSAR09	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.
HAR-039		HAR	PT02	FSAR09	09.05.05	Add Reference to match location of use.	Add NFPA 804 to become new Reference 211 in Subsection 9.5.5.
984	AP-STD- 0144	STD	PT02	FSAR09	09.05.T / T9.5-201 Sh02, 04	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."
712		STD	PT02	FSAR09	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	PT02	FSAR09	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
2054		STD	PT02	FSAR09	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.
2053		STD	PT02	FSAR09	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)."
710		STD	PT02	FSAR09	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).

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2051		STD	PT02	FSAR09	09A.04	RAI LTR 040 response to RAI 09.05.01-06 item 2 Corrected location of Reference addition.	COLA Part 2, FSAR Chapter 9, Subsection 9A.4 will be revised to add the following 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.
HAR-410		HAR	PT02	FSAR09	09A.04 09A.03.03.01 through 09A.03.03.08	Adding references due to Qb2051	Renumber the references in Section 9A.4 beginning with 203 to accommodate the addition of new references 201 and 202. Correct the reference numbering in Subsections 9A.3.3.1 through 9A.3.3.8.
<b>Chapter 10</b>							
2202		STD	PT02	FSAR10	10.01.03	Editorial consistency change	Add Section Header 10.1.3 'COMBINED LICENSE INFORMATION ON EROSION-CORROSION MONITORING'
768		STD	PT02	FSAR10	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.
640		STD	PT02	FSAR10	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."
639		STD	PT02	FSAR10	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: 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	PT02	FSAR10	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: - 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
1810		STD	PT02	FSAR10	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."



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2203		STD	PT02	FSAR10	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.
1812		HAR	PT02	FSAR10	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."
1811		STD	PT02	FSAR10	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 the CWS cooling tower."
1813		STD	PT02	FSAR10	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 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	PT02	FSAR10	10.04.05.02.02	WEC DCD Rev 17 conforming change	Added BLN COL 10.4-1 information to address "the design, routing, and disposition requirements associated with the main condenser waterbox drains." BLN COL 10.4-1, Condenser water box drains allow the condenser to be drained to the cooling tower basin. Piping is routed from each water box to the condenser water box drain pump which in turn pumps th water back to the cooling tower. Each water box contains drain valves and vents so a water box can be drained individually. Piping sized to support an adequate drain down in the event of emergency maintenance.
HAR-142		HAR	PT02	FSAR10	10.04.05.02.02	NPD-NRC-2008-053, H-0079	Added paragraph to end of the Cooling Tower section to describe the location of the circulating water system piping, the raw water system piping, and the blowdown water line.
708		BLN	PT02	FSAR10	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	PT02	FSAR10	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 EPRI Pressurized Water Reactor Secondary Water Chemistry Guidelines are followed as described in NEI 97-06.
HAR-254		HAR	PT02	FSAR10	10.04.07.02.01	NPD-NRC-2008-091, H-0286	Editorial comment correcting "carbonylhydrazide"
1287		STD	PT02	FSAR10	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.
Chapter 11							

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
670		STD	PT02	FSAR11	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	STD	PT02	FSAR11	11.02.01.02.05.02	Editorial	Change "an Operator" to "operations personnel" in 3rd bullet.
1467	AP-STD-0272	STD	PT02	FSAR11	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."
HAR-051		HAR	PT02	FSAR11	11.02.03.03	NPD-NRC-2008-065 H-0136	Subsection 11.2.3.3 revised to update dilution factor.
HAR-049		HAR	PT02	FSAR11	11.02.03.05, 11.02.03.05.01, 11.02.03.05.02, 11.02-207.T / T11.2.207 11.02-208.T / T11.2-208	NPD-NRC-2008-065 H-0134	The change associated with this RAI is addressed in the response to HAR-052 below.
HAR-050		HAR	PT02	FSAR11	11.02.03.05, 11.02.03.05.01, 11.02.03.05.02, 11.02-207.T / T11.2.207 11.02-208.T / T11.2-208	NPD-NRC-2008-065 H-0135	The change associated with this RAI is addressed in the response to HAR-052 below.
HAR-052		HAR	PT02	FSAR11	11.02.03.05, 11.02.03.05.01, 11.02.03.05.02, 11.02-207.T / T11.2.207 11.02-208.T / T11.2-208	NPD-NRC-2008-065 H-0169	Subsections 11.2.3.5, 11.2.3.5.1, 11.2.3.5.2 and Tables 11.2-201, 11.2-202 & 11.2-203 revised. New Tables 11.2-207 and 11.2-208 added.
HAR-048		HAR	PT02	FSAR11	11.02.03.05.01 11.02-206.T / T11.2-206	HAR RAI Changes NPD-NRC-2009-019 H-0409	Revise subsection 11.2.3.5.1 and add new Table 11.2-206 to address 40CFR190 criteria.
821		STD	PT02	FSAR11	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	STD	PT02	FSAR11	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.
HAR-047		HAR	PT02	FSAR11	11.02.03.05.04	HAR RAI Changes NPD-NRC-2009-019 H-0409	Add new subsections 11.2.3.5.3 and 11.2.3.5.4 and revise subsection 11.2.5.2 to address site specifics of CBA. Delete Reference 201.
820		STD	PT02	FSAR11	11.02.06 / 11.2-7	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).
HAR-054		HAR	PT02	FSAR11	11.03	HAR RAI Changes NPD-NRC-2009-020 H-0417	Revise subsections 11.3.3.4, 11.3.3.4.1, 11.3.3.4.2 and Tables 11.3-201 & 11.3-206. Add new Tables 11.3-208 & 11.3-209.
HAR-055		HAR	PT02	FSAR11	11.03	HAR RAI Changes NPD-NRC-2009-020 H-0408	Add new subsections 11.3.3.4.3 & 11.3.3.4.4 and revise subsection 11.3.5.1 to address site specifics of CBA. Delete Reference 201.
HAR-056		HAR	PT02	FSAR11	11.03	NPD-NRC-2008-069 H-0249	Revise site specific gaseous dose information in subsection 11.3.
HAR-053		HAR	PT02	FSAR11	11.03.03.04.03	BLN-RAI-LTR-033 RAI 0422	The portion of the response associated with STD COL 11.3-1 (CBA) was incorporated.

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1603	AP-STD-0283b	STD	PT02	FSAR11	11.03.03.04.03	SUPERSEDED by final LTR-033 - 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.
1000	AP-STD-0160	STD	PT02	FSAR11	11.04.06	Editorial	Change "The PCP describes the ...." to read "The Process Control Program (PCP) describes the ....."
2004		STD	PT02	FSAR11	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	STD	PT02	FSAR11	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	PT02	FSAR11	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).
704		STD	PT02	FSAR11	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	PT02	FSAR11	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).
665		STD	PT02	FSAR11	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.
HAR-057		HAR	PT02	FSAR11	11.05.08	Editorial Correction	Remove horizontal line between Reference 201 and reference 202
800		STD	PT02	FSAR11	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	PT02	FSAR11	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	PT02	FSAR11	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	STD	PT02	FSAR11	11.05.T / T11.5-201 Sh01	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
<b>Chapter 12</b>							
1421		STD	PT02	FSAR12	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 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.

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1468	AP-STD-0273	STD	PT02	FSAR12	12.03.04/12.3-4	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."
1512	AP-STD-0317	STD	PT02	FSAR12	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	STD	PT02	FSAR12	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.
1996		STD	PT02	FSAR12	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.
1425		STD	PT02	FSAR12	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.
1423		STD	PT02	FSAR12	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 (revised to 12AA.5.4.14 by Change ID#1469) will be revised To read: STD COL 12.3-3 A groundwater monitoring program beyond the normal radioactive effluent monitoring program is developed. If 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	STD	PT02	FSAR12	12AA.05.04.13 12AA.05.04.14 12AA.05.04.15	NEI 07-03, Rev 4 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.

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1424		STD	PT02	FSAR12	12AA.05.04.14	RAI LTR 109 response to RAI 12.03- 12.04-01 item 2	2. COLA Part 2, FSAR Chapter 12, Appendix 12AA, add the following after Subsection 12AA.5.4.14 (revised to 12AA.5.4.15 by Change ID#1469): 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.
1427		STD	PT02	FSAR12	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
<b>Chapter 13</b>							
HAR-151		HAR	PT02	FSAR13	13.01	Added to meet 10CFR50.54(a) and ensure consistency with the QAPD	Add the following text to the end of the third paragraph of Section 13.1: Changes to the organization described herein are reviewed under the provisions of 10CFR 50.54(a) to ensure that any reduction in commitments in the QAPD (as accepted by the NRC) are submitted to and approved by the NRC, prior to implementation.
HAR-152		HAR	PT02	FSAR13	13.01.01	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Revise the last sentence of Subsection 13.1.1 from: "The Nuclear Generation Group organization includes, but is not limited to Nuclear Plant Development, Nuclear Projects and Construction, Nuclear Engineering and Services, Nuclear Information Technology, Material Services, Nuclear Security, and Performance Evaluation and Regulatory Affairs." to read: "The Nuclear Generation Group organization includes, but is not limited to Nuclear Engineering and Services, Nuclear Operations, Nuclear Information Technology, and Nuclear Oversight"
HAR-153		HAR	PT02	FSAR13	13.01.01.01	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Revise the first paragraph of Subsection 13.1.1.1 to read: "The Progress Energy, Inc. Chief Executive Officer has overall responsibility for functions involving design, construction, and operation of Progress Energy's nuclear plants. Line responsibilities for those functions are assigned to the Senior Vice President – Nuclear Generation Group / Chief Nuclear Officer (CNO) and the President/CEO – Progress Energy Florida. The CNO directs the Vice President at each nuclear site in the operation of his applicable unit(s) and the Vice President – Nuclear Engineering and Services and the Vice President – Nuclear Oversight in the support of the nuclear fleet. The President/CEO – Progress Energy Florida directs the Vice-President – Nuclear Plant Development in the design and construction of new nuclear plant generation. The first priority and responsibility of each member of the nuclear staff throughout the life of the plant is nuclear safety. Decision making for station activities is performed in a conservative manner with expectations of this core value regularly communicated to appropriate personnel by management interface.
HAR-154		HAR	PT02	FSAR13	13.01.01.02	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Revise the first sentence of Subsection 13.1.1.2 from: "Before beginning preoperational testing, the Vice President – Nuclear Projects and Construction or designated project manager for HAR 2 and 3, the Plant General Manager for HAR 2 and 3 and the Vice President – Nuclear Engineering and Services establish the organization of managers, functional managers, supervisors, and staff sufficient to perform required functions for support of safe plant operation." to read: "Before beginning preoperational testing, the Vice President – Nuclear Plant Development or designated project manager for HAR 2 and 3, the Plant General Manager for HAR 2 and 3, Vice President – Nuclear Operations and the Vice President – Nuclear Engineering and Services establish the organization of managers, functional managers, supervisors, and staff sufficient to perform required functions for support of safe plant operation."

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HAR-155		HAR	PT02	FSAR13	13.01.01.02.01	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add the following as the third bullet to Subsection 13.1.1.2.1: "• Major engineering projects for the nuclear fleet"
HAR-156		HAR	PT02	FSAR13	13.01.01.02.02	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Revise Subsection 13.1.1.2.2 to read: "The Nuclear Oversight Section provides independent oversight of nuclear plant activities, maintains the Quality Assurance Program Manual and administers the nuclear employee concerns program. Review and audit activities are covered in Chapter 17 and the QAPD. Personnel resources of the Nuclear Oversight Section organization are shared between units."
HAR-157		HAR	PT02	FSAR13	13.01.01.02.03	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Revise the last two paragraphs of Subsections 13.1.1.2.3 to read: "The site Nuclear Oversight Section contains the QA and QC organizations and is independent of the station organization. Quality Control (QC) inspection/testing activities to support plant operation, maintenance, and outages are independent of the station organization. QA and QC personnel report to the Manager – Nuclear Oversight HNP. The Manager – Nuclear Oversight HNP reports directly to the VP – Nuclear Oversight Section . Personnel resources of the QA and QC organizations are shared between units. A single management organization oversees the QA and QC organizations for the station units."
HAR-158		HAR	PT02	FSAR13	13.01.01.02.04	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add the following sentence as the first sentence of the first paragraph of Subsection 13.1.1.2.4: "The Nuclear Operations Department provides for the standardization and support of the chemistry program at each site."
HAR-159		HAR	PT02	FSAR13	13.01.01.02.05	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add the following sentence as the first sentence of the first paragraph of Subsection 13.1.1.2.5: "The Nuclear Operations Department provides for the standardization and support of the radiation programs at each site."
HAR-160		HAR	PT02	FSAR13	13.01.01.02.06	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add the following sentence as the first sentence of the first paragraph of Subsection 13.1.1.2.6: "The Nuclear Operations Department provides for the standardization and support of the refueling programs at each site."
HAR-161		HAR	PT02	FSAR13	13.01.01.02.07	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add the following sentence as the first sentence of the first paragraph of Subsection 13.1.1.2.7: "The Nuclear Operations Department provides for the standardization and support of the training programs at each site"
HAR-162		HAR	PT02	FSAR13	13.01.01.02.08	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add the following sentence as the first sentence of the first paragraph of Subsection 13.1.1.2.8: "The Nuclear Operations Department provides for the standardization and support of the training programs at each site"

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HAR-163		HAR	PT02	FSAR13	13.01.01.02.09	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add the following sentence as the first sentence of the first paragraph of Subsection 13.1.1.2.9: "The Nuclear Operations Department provides for the standardization and support of the training programs at each site"
HAR-164		HAR	PT02	FSAR13	13.01.01.02.11	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add the following sentence as the first sentence of the first paragraph of Subsection 13.1.1.2.11: "The Nuclear Operations Department provides for the standardization and support of the training programs at each site"
HAR-069		HAR	PT02	FSAR13	13.01.01.03.01.01	Editorial Correction	Change Vice to Vice in the title of the Senior Vice President.
HAR-165		HAR	PT02	FSAR13	13.01.01.03.01.01	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Revise Subsection 13.1.1.3.1.1 to read: "The Progress Energy, Inc. Chief Executive Officer (CEO) has the ultimate responsibility for the safe and reliable operation of each nuclear station owned and/or operated by the utility. The CEO is responsible for the overall direction and management of the corporation, and the execution of the company policies, activities, and affairs. The CEO is responsible for directing Progress Energy's core operational business including Progress Energy Florida, Progress Energy Carolinas, Nuclear Generation and Power Operations Groups. The CEO is assisted in the direction of nuclear operations by the Senior Vice President – Nuclear Generation Group / Chief Nuclear Officer and other executive staff in the nuclear division of the corporation. The Progress Energy, Inc. CEO is assisted in the direction of new nuclear plant development by the President/CEO – Progress Energy Florida and other executive staff in the Nuclear Plant Development department of the corporation."
HAR-394		HAR	PT02	FSAR13	13.01.01.03.01.01	Admin.	In the title of Subsection 13.1.1.3.1.1 change "Chief Executive Officer" to "Chief Executive Officer – Progress Energy, Inc."
HAR-166		HAR	PT02	FSAR13	13.01.01.03.01.02	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Revise Subsection 13.1.1.3.1.2 to read: "The Senior Vice President – Nuclear Generation Group (NGG) / Chief Nuclear Officer (CNO) reports to the CEO - Progress Energy, Inc. The CNO is responsible for overall plant nuclear safety and takes the measures needed to provide acceptable performance of the staff in operating, maintaining, and providing technical support to the nuclear plants. The CNO is responsible for oversight of operations at each of the operating nuclear units in the system. The CNO delegates authority and responsibility for the operation and support of the site to the Vice President – HNP, Vice President – Nuclear Engineering and Services, Vice President – Nuclear Operations and Vice President – Nuclear Oversight. The CNO has no ancillary responsibilities that might detract attention from nuclear safety matters."
HAR-167		HAR	PT02	FSAR13	13.01.01.03.01.03	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add new Subsection 13.1.1.3.1.3 and renumber the following subsections accordingly. 13.1.1.3.1.3 President/CEO – Progress Energy Florida  The President/CEO – Progress Energy Florida (PEF) reports to the Progress Energy, Inc. CEO. The President/CEO – PEF has overall responsibility for the construction of new nuclear generation in Florida and the Carolinas and maintains oversight of the activities at each new nuclear plant under construction. The President/CEO – PEF delegates authority and responsibility for the licensing and construction of new nuclear units to the Vice President – Nuclear Plant Development. This organizational alignment allows the CNO to focus on the performance of the NGG operating fleet.
HAR-168		HAR	PT02	FSAR13	13.01.01.03.01.04	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add new Subsection 13.1.1.3.1.4 and renumber the following subsections accordingly. 13.1.1.3.1.4 Vice President – Nuclear Plant Development  The Vice President – Nuclear Plant Development (NPD) reports to the President-PEF. The VP-NPD is directly responsible for the licensing, construction, testing and turnover to NGG of a new nuclear plant.

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HAR-169		HAR	PT02	FSAR13	13.01.01.03.01.05	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add new Subsection 13.1.1.3.1.5 and renumber the following subsections accordingly. 13.1.1.3.1.5 Vice President – Nuclear Oversight  The Vice President – Nuclear Oversight Section (NOS) reports to the CNO for matters relating to the operating fleet and to the President – PEF via an interface agreement with NGG for matters relating to new nuclear plant construction. The VP-NOS is responsible for providing oversight of NGG and NPD, administration of the Employee Concerns Program and maintenance of the Quality Assurance Program Manual. Assisting the VP-NOS is the Director – Corporate Nuclear Oversight and the Manager of Nuclear Oversight for each nuclear plant site.
HAR-170		HAR	PT02	FSAR13	13.01.01.03.01.06	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Revise the last sentence of the first paragraph of Subsection 13.1.1.3.1.3 (now renumbered 13.1.1.3.1.6) from: The Vice President – HNP is assisted in management and technical support activities by the Director – Site Operations, Manager – Nuclear Assessment and Manager – Support Services as shown in Figure 13.1-201." to read: "The Vice President – HNP is assisted in management and technical support activities by the Director – Site Operations, and Manager – Support Services as shown in Figure 13.1-201."
HAR-171		HAR	PT02	FSAR13	13.01.01.03.01.07	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Revise Subsection 13.1.1.3.1.4 (now renumbered 13.1.1.3.1.7) to read: "The Vice President – Nuclear Engineering and Services reports to the Chief Nuclear Officer and is responsible for providing guidance to the site engineering departments, directing the management of nuclear fuels, and license renewal of current plants. Direction on matters relating to operational analysis, design, systems, engineering programs, and nuclear fuels is accomplished through the General Manager – Nuclear Engineering and Services and the functional managers of engineering as detailed in Subsections 13.1.1.2.1 and 13.1.1.3.2.1."
HAR-172		HAR	PT02	FSAR13	13.01.01.03.01.08	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Add new Subsection 13.1.1.3.1.8 and renumber the following subsections accordingly. "13.1.1.3.1.8 Vice President – Nuclear Operations Department  The Vice President – Nuclear Operations (Nuc Ops) Department reports to the CNO. The VP-Nuc Ops is responsible for establishing NGG fleet operating standards, implementing nuclear security, access authorization and Fitness-For-Duty programs and serving as the company's key nuclear industry interface. The VP-Nuc Ops is assisted by the Director – Nuclear Protective Services, Director – Nuclear Work Management, Director – Nuclear Fleet Training, Director – Nuclear Fleet Support Services and the Director – Nuclear Fleet Operations."
HAR-173		HAR	PT02	FSAR13	13.01.01.03.01.09	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Revise Subsection 13.1.1.3.1.5 (renumbered 13.1.1.3.1.9) to read: "13.1.1.3.1.9 Director – Nuclear Oversight  The Director – Nuclear Oversight (NOS) is responsible for providing independent oversight of the nuclear plant and corporate activities, maintenance of the Quality Assurance Program Manual, and administration of the nuclear employee concerns program. The Director – NOS reports to the VP-NOS and is assisted in his duties by the Manager – Corporate Nuclear Oversight and the Manager – Nuclear Oversight at each plant site."
HAR-174		HAR	PT02	FSAR13	13.01.01.03.01.11	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	Revise Subsection 13.1.1.3.1.7 (renumbered 13.1.1.3.1.11) to read: "13.1.1.3.1.11 Director – Nuclear Protective Services  The Director – Nuclear Protective Services is responsible for providing guidance and direction to the Manager – Security at each site on the nuclear security, access authorization, and Fitness for Duty programs. The Director – Nuclear Protective Services reports to the VP-Nuclear Operations Department."
HAR-175		HAR	PT02	FSAR13	13.01.01.03.02.02	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsection 13.1.1.3.2.2 changes "Manager – Nuclear Assessment HNP" to "13.1.1.3.2.2 Manager – Nuclear Oversight HNP." Change "Vice President – HNP" to "Vice President – Nuclear Oversight."



Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-385		HAR	PT02	FSAR13	13.01.01.03.02.04.02	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsection 13.1.1.3.2.4.2 under Supervisor Technical Training: The last sentence should be "technical training program" instead of "operator training program."
HAR-176		HAR	PT02	FSAR13	13.01.01.03.02.06	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsection 13.1.1.3.2.6 change "Superintendent – Security" to "Manager – Security" and change "Manager – Nuclear Security" to "Director – Nuclear Protective Services."
HAR-067		HAR	PT02	FSAR13	13.01.02, 13.01.03, 13.05.01, 13.05.02, 13.08	Editorial Correction	Revise LMAs for STD DEP 1.1-1 to match BLN and errata Rev. 3, e.g., remove LMAs from 13.1.2, 13.1.3, 13.5.1, and 13.5.2. Remove LMA and section 13.8.
HAR-177		HAR	PT02	FSAR13	13.01.02.01.01	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsection 13.1.2.1.1 change "Manager – Engineering HNP" to "Manager – Engineering & Support HNP."
HAR-178		HAR	PT02	FSAR13	13.01.02.01.02	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsection 13.1.2.1.2 change "Superintendent – Shift Operations" to "Shift Manager - Operations."
HAR-395		HAR	PT02	FSAR13	13.01.02.01.02	Admin.	In Subsection 13.1.2.1.2, add "(PGM)" after "Plant General Manager" in first sentence.
HAR-179		HAR	PT02	FSAR13	13.01.02.01.03.02	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsection 13.1.2.1.3.2 change "Superintendents – Shift Operations" to "Shift Manager(s) - Operations."
HAR-180		HAR	PT02	FSAR13	13.01.02.01.03.04	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsection 13.1.2.1.3.4 change "Superintendent – Shift Operations" to "Shift Manager - Operations," change "S-SO" to "SM" and change "Control Room Supervisors" to "Unit Senior Control Operators."
HAR-181		HAR	PT02	FSAR13	13.01.02.01.03.05	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsection 13.1.2.1.3.5 change "Control Room Supervisors" to "Unit Senior Control Operator" and change "CRS" to "USCO" and change "S-SO" to "SM."
HAR-396		HAR	PT02	FSAR13	13.01.02.01.03.06	Admin.	Subsection 13.1.2.1.3.6: Change "Reactor Operator (RO)" to "Unit Control Operator (UCO)" and "Control Room Supervisor" to "Unit Senior Control Operator."
HAR-397		HAR	PT02	FSAR13	13.01.02.01.03.08	Admin.	Subsection 13.1.2.1.3.8, first sentence: Change "S-SO" to "SM."
HAR-063		HAR	PT02	FSAR13	13.01.02.01.03.09	HAR RAI Changes NPD-NRC-2008-044, H-0086	Revise the first sentence of the last paragraph of FSAR Subsection 13.1.2.1.3.9 to clarify reporting and communication requirements for The Supervisor - Fire Protection

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HAR-064		HAR	PT02	FSAR13	13.01.02.01.03.09	HAR RAI Changes NPD-NRC-2008-044, H-0087	Revise the last sentence of FSAR Subsection 13.1.2.1.3.9 from: "In accordance with Regulatory Guide 1.189 the Lead Engineer - Fire Protection Program is a graduate of an engineering curriculum of accepted standing and has completed not less than six years of engineering experience, three of which were in a responsible position in charge of fire protection engineering work." To read: "The Lead Engineer - Fire Protection Program meets the educational and experience/knowledge requirements of Regulatory Guide 1.189. Revision 1, Section C.1.6.1.a."
HAR-182		HAR	PT02	FSAR13	13.01.02.01.06	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsection 13.1.2.1.6 change "S-SO" to "SM."
HAR-070		HAR	PT02	FSAR13	13.01.03.01	This section should address both "HAR COL 13.1-1" and "HAR COL 18.6-1."	Add LMA "HAR COL 13.1-1" in addition to LMA "HAR COL 18.6-1."
HAR-068		HAR	PT02	FSAR13	13.01.03.01	NEI 06-13A Rev. 1 replaces Appendix 13BB	Replace "Appendix 13BB" with "NEI 06-13A."
1479	AP-STD-0284a	STD	PT02	FSAR13	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
HAR-183		HAR	PT02	FSAR13	13.01.T / T13.1-201 01	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Table 13.1-201 Sheet 1 change "Executive, Nuclear Operations Chief Nuclear Officer" to "Executive, Nuclear Operations Vice President – Nuclear Operations" and change "Executive, Operations Support Vice President – HNP" to "Executive, Operations Support Vice President – Nuclear Operations"
HAR-398		HAR	PT02	FSAR13	13.01.T / T13.1-201 02	Admin.	In Table 13.1-201 Sheet 2, add: Design Engineering Functional Manager 4.3.9 Superintendent – Design Engineering 0 Design Engineer Design Engineer 12 0
HAR-399		HAR	PT02	FSAR13	13.01.T / T13.1-201 03	Admin.	In Table 13.1-201, Sheet 3 change "Supervisor 4.4.2 Control Room Supervisor" to "Supervisor 4.4.2 Unit Senior Control Operator" and change "Licensed Operator 4.5.1 Control Room Operator" to "Supervisor 4.5.1 Unit Control Operator."
HAR-184		HAR	PT02	FSAR13	13.01.T / T13.1-201 03	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Table 13.1-201, Sheet 3 change "Functional Manager 4.4.1 Superintendent – Shift Operations" to "Functional Manager 4.4.1 Shift Manager."
HAR-408		HAR	PT02	FSAR13	13.01.T / T13.1-201 04	Admin.	In Table 13.1-201, Sheet 4 change "Manager 4.2 Manager-Nuclear Assessment HNP" to "Manager 4.2 Manager-Nuclear Oversight HNP"
HAR-185		HAR	PT02	FSAR13	13.01.T / T13.1-201 06	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Table 13.1-201, Sheet 6 change "QA Auditor QA Technicians" to "QA Auditor QA Auditors."
HAR-384		HAR	PT02	FSAR13	13.01.T / T13.1-201 06	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Table 13.1-201, Sheet 6 change "Superintendent, Security" to "Manager - Security."
HAR-409		HAR	PT02	FSAR13	13.01.T / T13.1-201 06	Admin.	In Table 13.1-201, Sheet 6 change "Supervisor 4.3.7 Manager-Nuclear Assessment" to "Manager 4.3.7 Manager-Nuclear Oversight" and "Supervisor 4.4.13 Supervisor-Quality Control" to "Supervisor 4.4.13 Superintendent-Plant Assessment"

**Attachment 1**  
**Shearon Harris Nuclear Power Plant Units 2 and 3 COLA Revision 1 Change Roadmap**

5/6/2009

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-186		HAR	PT02	FSAR13	13.01.T / T13.1-201 07	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Table 13.1-201, Sheet 7 change "Supervisor 4.4.13 Supervisor – QA/QC" to "Supervisor 4.4.13 Supervisor – QC," Delete "QA Technicians" and change "Supervisor –Plant Test & Operations Manager" to "Manager –Plant Test & Operations."
957		STD	PT02	FSAR13	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.
313		STD	PT02	FSAR13	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	PT02	FSAR13	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 To read: Prior to initial fuel load
1422		STD	PT02	FSAR13	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.
HAR-061		HAR	PT02	FSAR13	13.04.T / T13.4-201 14	Update regulatory reference to address a site with a currently operating reactor	Table 13.4-201, item 14 update. Update FSAR Chapter 13 Table 13.4-201 Item 14 (EP) implementation milestones for required EP exercises to reference 10 CFR part 50 Appendix E, Section IV.F.2.A(iii). This requirement is for a site with a currently operating reactor and allows use of scheduled full or partial EP exercises to fulfill exercise requirements for new units."
1828		STD	PT02	FSAR13	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	PT02	FSAR13	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.
HAR-187		HAR	PT02	FSAR13	13.05.01	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsection 13.5.1 change "Superintendent – Shift Operations" to "Shift Manager - Operations."
1606	AP-STD-0284b	STD	PT02	FSAR13	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. Delete per Roadmap Change Request 13-07, already incorporated into Rev. 0
HAR-062		HAR	PT02	FSAR13	13.06	Editorial correction	In the introductory paragraph, remove the space in "and/or"
1493	AP-STD-0298	STD	PT02	FSAR13	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"

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2088		STD	PT02	FSAR13	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.
973	AP-STD-0133	STD	PT02	FSAR13	13.06.01	Consistency with DCD. NRC rejected APP-GW-GLR-066 (TR94) that 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.	Revise current 13.6.1 References to become 13.6.2. Add new 13.6.1 Combined License Information Items  Information for this COL item is addressed in 13.6.  LMA for the new section should be STD COL 13.6-1.
2018		STD	PT02	FSAR13	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	PT02	FSAR13	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.
1472	AP-STD-0277	STD	PT02	FSAR13	13.07	The COLA identified section 13.8 was not generated; instead References were redistributed to appropriate X.Y section.	The wording of the DCD 13.7 STD DEP 1.1-1 information is revised to read "DCD 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		STD	PT02	FSAR13	13.07	Editorial	Revise the first sentence to remove "(Program)"
2021		STD	PT02	FSAR13	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.
HAR-188		HAR	PT02	FSAR13	13AA.01.01.01.01.08 13AA.01.01.01.02 13AA.01.01.01.02.03	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsections 13AA.1.1.1.1.8, 13AA.1.1.1.2 and 13AA.1.1.1.2.3 change "VP – Nuclear Projects and Construction" to "VP – Nuclear Plant Development."
1057	AP-STD-0217	STD	PT02	FSAR13	13AA.01.01.01.02.02	Terminology correction	At the end of the first line, change "operation" to "operations."
HAR-065		HAR	PT02	FSAR13	13AA.01.01.01.08, 13.01.T/T13.1-203	HAR RAI Changes NPD-NRC-2008-049, H-0281, H-0284	Revise Figure 13.1-203 to show interfaces between the nuclear-oriented part of the organization to the rest of the corporate organization. This Letter also includes an additional paragraph for Appendix 13AA to reflect maintenance program development.
974	AP-STD-0134	STD	PT02	FSAR13	13BB	SUPERSEDED by Qb 955 - Separator line inadvertently omitted.	Add final separator line at the end of the section.

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
1521	AP-STD-0285b	STD	PT02	FSAR13	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
<b>Chapter 14</b>							
1201		STD	PT02	FSAR14	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.
HAR-386		HAR	PT02	FSAR14	14.02.03.02	Administrative change to update the organizational description and ensure consistency with the QAPD and the approved NPD organization	In Subsection 14.2.3.2 under HAR COL 14.4-4, change the title for "VP-Nuclear Projects & Construction" to "VP-Nuclear Plant Development."
HAR-071		HAR	PT02	FSAR14	14.02.08	HAR LMA is site-specific; LMA should be STD SUP 14.2-1	Change LMA of this section to STD COL (or SUP) to match reference COLA
2162		STD	PT02	FSAR14	14.02.08	Consistency	Add introductory statement just prior to new Section "14.2.8 Test Program Schedule"
767		STD	PT02	FSAR14	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.
725		STD	PT02	FSAR14	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.
724		STD	PT02	FSAR14	14.02.09.04.26	RAI LTR 028 response to RAI 14.02.09 item 1	Under General Test Methods and Acceptance Criteria item c. Add "portable" in between "of" and "communication."
1429		STD	PT02	FSAR14	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	PT02	FSAR14	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.
1062	AP-STD-0222	STD	PT02	FSAR14	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?"
HAR-333		HAR	PT02	FSAR14	14.03.03	NPD-NRC-2008-096, H-0262	This change added section "14.3.3 CDM SECTION 3.0, NON-SYSTEM BASED DESIGN DESCRIPTIONS AND ITAAC" to the FSAR

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1818		STD	PT02	FSAR14	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	PT02	FSAR14	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	PT02	FSAR14	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 [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.
1497	AP-STD-0302	STD	PT02	FSAR14	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."
<b>Chapter 15</b>							
No Change							
<b>Chapter 16</b>							
No Change							
<b>Chapter 17</b>							
HAR-072		HAR	PT02	FSAR17	17.01	Superseded by NPD-NRC-2009-068, H-0395 NPD-NRC-2008-062, H-0060	Revise the 4th paragraph of Section 17.1 in accordance with the response to the RAI.
HAR-073		HAR	PT02	FSAR17	17.01	SUPERSEDED by NPD-NRC-2009-068, H-0395 NPD-NRC-2008-062, H-0073	Revise the last sentence of the 1st paragraph of Section 17.1 in accordance with the response to the RAI.
HAR-074		HAR	PT02	FSAR17	17.01	NPD-NRC-2009-068, H-0395	Revise Section 17.1 in accordance with the supplemental response to H-0395.
HAR-076		STD	PT02	FSAR17	17.05	Consistency with BLN RAI LTR 013 S1 response to RAI 17.05-09 item 1 (Reference number is different)	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 06-14A, "Quality Assurance Program Description," which was approved by the NRC in Reference 201. 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 06-14A, "Quality Assurance Program Description," which was approved by the NRC in Reference 206.
975	AP-STD-0135	STD	PT02	FSAR17	17.06	Extra separator line inadvertently included.	Remove first separator line at the top of the page.
1084	AP-STD-0244	STD	PT02	FSAR17	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,".
HAR-075		HAR	PT02	FSAR17	17.08	Superseded by NPD-NRC-2009-068, H-0425 NPD-NRC-2008-062, H-0073	Add the references to Section 17.8 in accordance with the response to the RAI.
HAR-401		HAR	PT02	FSAR17	17.08	NPD-NRC-2009-068, H-0425	Add the references to Section 17.8 in accordance with the response to the RAI.

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
HAR-402		HAR	PT02	FSAR17	17.06	Add identification and link of reference to NEI 07-02A that was inadvertently not included in R-COLA	In the first paragraph, add "(Reference 207)" after "NEI 07-02A, "Generic FSAR Template Guidance for Maintenance Rule Program Description for Plants Licensed Under 10 CFR Part 52""
1414		STD	PT02	FSAR17	17.08 R207	Superseded by NPD-NRC-2009-068, H-0425 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
<b>Chapter 18</b>							
No Change							
<b>Chapter 19</b>							
1412		STD	PT02	FSAR19	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.
928		STD	PT02	FSAR19	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 Emergency Operating Procedures (EOP's) and Emergency Plan. • Responsibilities for authorizing and implementing accident management strategies are delineated as part of the Emergency Plan. • SAMG training is provided for ERO personnel commensurate with their responsibilities defined in the Emergency Plan.
989	AP-STD-0149	STD	PT02	FSAR19	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	PT02	FSAR19	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		HAR	PT02	FSAR19	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.
HAR-077		HAR	PT02	FSAR19	19.59.10.05	NPD-NRC-2008-047, H-0084	Revise the 2nd paragraph of Subsection 19.59.10.5 in accordance with the response to the RAI.

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
248	AP-STD-0021	STD	PT02	FSAR19	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
991	AP-STD-0151	STD	PT02	FSAR19	19.59.10.06	Consistency with DCD terminology	Revise the sub-section header "PRA Assurance" to "PRA Quality Assurance."
992	AP-STD-0152	STD	PT02	FSAR19	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."
1075	AP-STD-0235	STD	PT02	FSAR19	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")
1491	AP-STD-0296	STD	PT02	FSAR19	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>PT03</b>							
No Change							
<b>PT04</b>							
HAR-101		HAR	PT04		GLOBAL	BLN-RAI-LTR-0131 RAI-2250	Incorporated change as denoted in BLN-RAI-LTR-0131 RAI-2250
1530		STD	PT04		A.1- / 1	WEC DCD Rev 17 conforming change	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.
1501	AP-STD-0306	STD	PT04		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	PT04		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 the plant specific technical specifications.
1529		STD	PT04		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 the plant specific technical specifications.
HAR-387		HAR	PT04		A.2-03.06.04 / 3	consistency with R-COLA	For GTS 3.6.4 revise Justification from: "The reviewer's note information for this specification is deleted because it is not intended to be a part of technical specifications." to "The reviewer's note information for this specification is deleted because it is not intended to be a part of the plant specific technical specifications."
HAR-388		HAR	PT04		A.2-05.01.02 / 4	Admin.	GTS 5.1.2 change "Superintendent - Shift Operations (S-SO)" to "Shift Manager (SM)."
1016	AP-STD-0176	STD	PT04		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"
1017	AP-STD-0177	STD	PT04		A.2-05.03.01 / 6	Bold is inconsistent formatting.	In GTS 5.3.1, unbold the bold text.
1484	AP-STD-0289	STD	PT04		A.2-05.03.01 / 6	Consistent with NEI 06-13A, Rev 1 Also see Qb item 958	TS 5.3.1, change "prior to commercial operation" to "through the first refueling outage"
1094	AP-STD-0254	STD	PT04		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	PT04		B. 00 LOEP	No longer applicable	Remove List of Effective Pages, TS-LOEP-1 and TS-LOEP-2



Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
2132		STD	PT04		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
1741		STD	PT04		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	PT04		B, 01.01 SDM / 1.1-6	WEC DCD Rev 17 conforming change	Delete paragraph c of SHUTDOWN MARGIN definition
1742		STD	PT04		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	STD	PT04		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	PT04		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	PT04		B, 03.01.04 / 3.1.4-4	WEC DCD Rev 17 conforming change	In SR 3.1.4.3, remove brackets
1745		STD	PT04		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
HAR-077		HAR	PT04		B, 03.03.01 / 3.3.1-02- 06	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.
1747		STD	PT04		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	PT04		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
HAR-081		HAR	PT04		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 ] to remove the brackets around the frequency of 92 days
1531		STD	PT04		B, 03.03.01 / 3.3.1-11	Reviewer's Notes not appropriate for final Tech Specs	Page 3.3.1-11 - Delete unbracketed Reviewer Note.
1750		STD	PT04		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	PT04		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"
1997		STD	PT04		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.
1752		STD	PT04		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 ?]
1753		STD	PT04		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].
HAR-078		HAR	PT04		B, 03.03.02 / 3.3.2-01- 03	WEC DCD Rev 17 conforming change	In TS 3.3.2, 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.
HAR-082		HAR	PT04		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) to remove the brackets around the frequency of 92 days
1755		STD	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
1762		STD	PT04		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	STD	PT04		B, 03.03.02 / 3.3.2-23	Consistency with DCD.	Page 3.3.2-23 Revise Function 18.e Allowable Value to read $\leq 702$ psig as identified in TR134 change NRC 101.
1763		STD	PT04		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"
1764		STD	PT04		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" " $\geq 1794.9$ psig" "1795.3 psig"
1765		STD	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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)
HAR-083		HAR	PT04		B, 03.03.02/3.3.2-01-03	WEC DCD Rev 17 conforming change	In TS 3.3.2, remove brackets from Completion Times in Required Actions B.1, B.2, C.1, I.1, I.2, J.2.1, J.2.2 - this change supersedes previous DCD changes and TVA letter of January 14, 2008, which put the brackets in.
1770		STD	PT04		B, 03.03.04 / 3.3.4-1	WEC DCD Rev 17 conforming change	In TS 3.3.4 Applicability, add " $\geq 350^\circ\text{F}$ " to end of "MODE 4 with RCS average temperature (Tavg)"
1771		STD	PT04		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	PT04		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	PT04		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	PT04		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	PT04		B, 03.04.18/3.4.18-1	Editorial revision for WEC DCD GTS consistency	In TS 3.4.18, LCO, underline the AND connector
1775		STD	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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
1474	AP-STD-0279	STD	PT04		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	PT04		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	PT04		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	PT04		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"

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
1785		STD	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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"
1511	AP-STD-0316	STD	PT04		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	PT04		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
HAR-389		HAR	PT04		B, 05.01.02 / 5.1-1	Admin.	In TS 5.1.2 change "Superintendent – Shift Operations(S – SO)" to "Shift Manager –Operations(SM)."
958		STD	PT04		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...
958		STD	PT04		B, 05.03.01 / 5.3-1	SUPERCEDED by HAR- (next line) 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...
HAR-084		HAR	PT04		B, 05.03.01 / 5.3-1	Consistency with BLN TS 5.3.1	Change to be consistent with BLN TS 5.3.1.
2024		STD	PT04		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 the ASME OM Code and applicable Addenda as follows: ASME OM Code and applicable Addenda Terminology for inservice testing activities      Required Frequencies for performing inservice testing activities
2024		STD	PT04		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 the ASME OM Code and applicable Addenda as follows: ASME OM Code and applicable Addenda Terminology for inservice testing activities      Required Frequencies for performing inservice testing activities
1791		STD	PT04		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	PT04		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	PT04		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	PT04		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]"

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
1795		STD	PT04		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	PT04		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	PT04		B, B 00 LOEP	No longer applicable	Remove List of Effective Pages, TS-BASES-LOEP-1 thru TS-BASES-LOEP-3
2133		STD	PT04		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
1830		STD	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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"
1837		STD	PT04		B, B03.01.08 / B3.1.8-05	WEC DCD Rev 17 conforming change	For B3.1.8, Applicability, revise "5% RTP" to read "5% RTP" in two places
1838		STD	PT04		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..."
1839		STD	PT04		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	PT04		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 $\geq 1$ " to read "MODES 1 and 2"
HAR-079		HAR	PT04		B, B03.03.01 / B3.3.1-01-3	WEC DCD Rev 17 conforming change	In B3.3.1, 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.
1841		STD	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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
HAR-085		HAR	PT04		B, B03.03.01 / B3.3.1-27-28	WEC DCD Rev 17 conforming change	For B3.3.1, Actions D.1.1, D.1.2, D.1.3, D.2.1, D.2.2, and D.3 - Revise first sentence of the second paragraph to read: With one of two channels inoperable, one affected channel must be placed in a bypass or trip condition within 6 hours. - Revise last sentence of the second paragraph to read: The 6 hours allowed to place the inoperable channel(s) in the bypassed or tripped condition is justified in Reference 7. - Revise first sentence of the fourth paragraph to read: As an alternative to reducing power, the inoperable channel(s) can be placed in the bypassed or tripped condition within 6 hours and the QPTR monitored every 12 hours as per SR 3.2.4.2, QPTR verification.
HAR-086		HAR	PT04		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 first sentence of the second paragraph to read: With one or two channels inoperable, one affected channel must be placed in a bypass or trip condition with 6 hours. - Revise last sentence of the second paragraph to read: The 6 hours allowed to place the inoperable channel(s) in the bypassed or tripped condition is justified in Reference 7. - Revise last two sentences of the third paragraph to read: An additional 6 hours is allowed to place the unit in MODE 3. Six hours is a reasonable time, based on operating experience, to reach MODE 3 from full power in an orderly manner and without challenging plant systems.
1846		STD	PT04		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;"

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HAR-087		HAR	PT04		B, B03.03.01 / B3.3.1-29-30	WEC DCD Rev 17 conforming change	For B3.3.1, Actions F.1.1, F.1.2, F.2, and F.3 - Revise first sentence of the second paragraph to read: <del>With one or two channels inoperable, one affected channel must be placed in a bypass or trip condition within 6 hours.</del> With one or two channels inoperable, one affected channel must be placed in a bypass or trip condition within 2 hours. - Revise last sentence of the second paragraph to read: The 2 hours allowed to place the inoperable channel(s) in the bypassed or tripped condition is justified in Reference 7.
1847		STD	PT04		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"
HAR-088		HAR	PT04		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 first sentence of the second paragraph to read: With one or two channels inoperable, one affected channel must be placed in a bypass or trip condition with 6 hours. - Revise last sentence of the second paragraph to read: The 6 hours allowed to place the inoperable channel(s) in the bypassed or tripped condition is justified in Reference 7.
1848		STD	PT04		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	PT04		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
HAR-089		HAR	PT04		B, B03.03.01 / B3.3.1-33-34	WEC DCD Rev 17 conforming change	For B3.3.1, Actions N.1, N.2.1, N.2.2, and N.3 (as revised to M.1, M.2.1, M.2.2, AND M.3) - Revise second sentence of the first paragraph to read: With one or two channels inoperable, the associated interlock must be verified to be in its required state for the existing plant condition within 1 hour, or the Functions associated with inoperable interlocks placed in a bypassed or tripped condition with 7 hours, or the unit must be placed in MODE 3 within 13 hours. - Revise first sentence of the second paragraph to read: If one interlock channel is inoperable, the associated Function(s) must be placed in a bypass or trip condition within 7 hours. - Revise last sentence of the third paragraph to read: the 7 hours allowed to place the inoperable channel(s) in the bypassed or tripped condition is justified in Reference 7.
HAR-090		HAR	PT04		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 third sentence of the first paragraph to read: With one or two of the source range channels inoperable, 48 hours is allowed to restore three of the four channels to an OPERABLE status. - Revise last sentence of the first paragraph to read: The allowance of 48 hours to restore the channel to OPERABLE status, and the additional hour to open the RTBs, are justified in Reference 7.
1850		STD	PT04		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	PT04		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	PT04		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	PT04		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
HAR-091		HAR	PT04		B, B03.03.01 / B3.3.1-40-41	WEC DCD Rev 17 conforming change	For B3.3.1, SR 3.3.1.6 (now SR 3.3.1.7) - Revise first paragraph to read: SR 3.3.1.7 is the performance of a REACTOR TRIP CHANNEL OPERATIONAL TEST (RTCOT) every 92 days. - Revise the first sentence of the eighth paragraph to read: This test frequency of 92 days is justified based on Reference 7 and the use of continuous diagnostic test features, such as deadman timers, cross-check of redundant channels, memory checks, numeric coprocessor checks, and tests of timers, counters and crystal time bases, which will report a failure with the protection and safety monitoring system cabinets to the operator within 10 minutes of a detectable failure.
HAR-092		HAR	PT04		B, B03.03.01 / B3.3.1-45	WEC DCD Rev 17 conforming change	For B3.3.1, REFERENCES, revise Reference 7 to read: APP-GW-GSC-020, "Technical Specification Completion Time and Surveillance Frequency Justification."
2116		STD	PT04		B, B03.03.01 / B3.3.1-45	WEC DCD Rev 17 conforming change	For B3.1.1, 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..."

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HAR-080		HAR	PT04		B, B03.03.02 / B3.3.2-27-36	WEC DCD Rev 17 conforming change	In B3.3.1, 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.
1856		STD	PT04		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 1)."
1857		STD	PT04		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	PT04		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."
2117		STD	PT04		B, B03.03.02 / B3.3.2-34	WEC DCD Rev 17 conforming change	For B3.3.2, Function 15, revise the second sentence of the paragraph to read: "This Function is actuated by Source Range Neutron Flux Doubling and Reactor Trip."
1859		STD	PT04		B, B03.03.02 / B3.3.2-34	WEC DCD Rev 17 conforming change	For B3.3.2, delete Function 15.c
1860		STD	PT04		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	PT04		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	PT04		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"
2262		HAR	PT04		B, B03.03.02 / B3.3.2-41	DCD Rev. 17 conformance.	This change SUPERCEDES QB #1945. 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."
1863		STD	PT04		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."

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1864		STD	PT04		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 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	PT04		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	PT04		B, B03.03.02 / B3.3.2-44	WEC DCD Rev 17 conforming change	For B3.3.2, delete Function 22.c
2534		STD	PT04		B, B03.03.02 / B3.3.2-50	Editorial - format consistency with WEC DCD GTS	On Page B3.3.2-50, add line space between header " <u>B.1 and B.2</u> " and following text
HAR-093		HAR	PT04		B, B03.03.02 / B3.3.2-50	WEC DCD Rev 17 conforming change	For B3.3.2, Actions B.1 and B.2 - Revise first sentence of the paragraph to read: With one or two channels or divisions inoperable, one affected channel or division must be placed in a bypass or trip condition within 6 hours. - Revise last sentence of the paragraph to read: The 6 hours allowed to place the inoperable channel(s) or division(s) in the bypassed or tripped condition is justified in Reference 6.
HAR-094		HAR	PT04		B, B03.03.02 / B3.3.2-50	WEC DCD Rev 17 conforming change	For B3.3.2, Action C.1 - Revise the first two sentences of the paragraph to read: With one channel inoperable, the affected channel must be placed in a bypass condition within 6 hours. The 6 hours allowed to place the inoperable channel in the bypass condition is justified in Reference 6.
2118		STD	PT04		B, B03.03.02 / B3.3.2-50	WEC DCD Rev 17 conforming change	Page B3.3.2-51 - Revise TR134 change NRC156. Add s to Function in parenthetical (Functions 18.a and 18.f) and revise third sentence to begin, " <del>The P-3 and P-4 Interlocks are enabled when RTBs...</del> " "The P-3 & P-4 Interlocks are enabled when RTBs..."
1867		STD	PT04		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."
HAR-095		HAR	PT04		B, B03.03.02 / B3.3.2-53	WEC DCD Rev 17 conforming change	For B3.3.2, Actions I.1 and I.2 - Revise second sentence of the paragraph to read: With one or two channels inoperable, one affected channel must be placed in a bypass or trip condition within 6 hours. - Revise last sentence of the paragraph to read: The 6 hours allowed to place the inoperable channel(s) in the bypassed or tripped condition is justified in Reference 6.
HAR-096		HAR	PT04		B, B03.03.02 / B3.3.2-53	WEC DCD Rev 17 conforming change	For B3.3.2, Actions J.1 and J.2 - Revise second sentence of the first paragraph to read: With one or two required channel(s) inoperable, the associated interlock must be verified to be in its required state for the existing plant condition within 1 hour, or any Function channels associated with inoperable interlocks placed in a bypassed condition with 7 hours. - Revise first sentence of the second paragraph to read: If one interlock channel is inoperable, the associated Function(s) must be placed in a bypass or trip condition within 7 hours. - Revise last sentence of the last paragraph to read: The 7 hours allowed to place the inoperable channel(s) in the bypassed or tripped condition is justified in Reference 6.
1868		STD	PT04		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	PT04		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"

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1870		STD	PT04		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	PT04		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	PT04		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
HAR-097		HAR	PT04		B, B03.03.02 / B3.3.2-64	Editorial Correction	In the first sentence change "an" to "a."
HAR-098		HAR	PT04		B, B03.03.02 / B3.3.2-64-65	WEC DCD Rev 17 conforming change	For B3.3.2, SR 3.3.2.5 - Revise first paragraph to read: SR 3.3.2.5 is the performance of a CHANNEL OPERATIONAL TEST (COT) every 92 days. - Revise first sentence of the eighth paragraph to read: The 92 day Frequency is based on Reference 6 and the use of continuous diagnostic test features, such as deadman timers, cross-check of redundant channels, memory checks, numeric coprocessor checks, and tests of timers, counters and crystal time bases, which will report a failure with the integrated protection cabinets to the operator.
HAR-099		HAR	PT04		B, B03.03.02 / B3.3.2-68	WEC DCD Rev 17 conforming change	For B3.3.2, REFERENCES, revise Reference 6 to read: APP-GW-GSC-020, "Technical Specification Completion Time and Surveillance Frequency Justification."
1875		STD	PT04		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 Tavg < 350°F" to read "MODE 4 with Tavg ≥ 350°F"
1876		STD	PT04		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"
HAR-390		HAR	PT04		B, B03.04.03 / B3.4.3-06	WEC DCD Rev 17 conforming change	For B3.4.3, SR 3.4.3.1, 3rd paragraph, revise capitalization of NOTE to Note.
HAR-391		HAR	PT04		B, B03.04.04 / B3.4.4-04	WEC DCD Rev 17 conforming change	For B3.4.4, LCO, 5th paragraphs, revise capitalization of NOTE to Note.
2033		STD	PT04		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."
1877		STD	PT04		B, B03.04.06 / B3.4.6-04	DUPLICATE INFO - 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	PT04		B, B03.04.06 / B3.4.6-04	DUPLICATE INFO - 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	PT04		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	PT04		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.



Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
2031		STD	PT04		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	PT04		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.
1880		STD	PT04		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	PT04		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	PT04		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	PT04		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."
1883		STD	PT04		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	PT04		B, B03.04.11 / B3.4.11-03	WEC DCD Rev 17 conforming change	In TS 3.4.11 Bases for Actions C.1 and C.2, revise the final portion of the first sentence which refers to "...Condition A" to refer to "...Condition A or B"
2034		STD	PT04		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.
1884		STD	PT04		B, B03.04.11 / B3.4.11-04	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."
1885		STD	PT04		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)"
2035		STD	PT04		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.
1886		STD	PT04		B, B03.04.14 / B3.4.14-07	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...."
2036		STD	PT04		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."
1887		STD	PT04		B, B03.04.14 / B3.4.14-08	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.""

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
2036		STD	PT04		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	PT04		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."
2037		STD	PT04		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 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	PT04		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."
1889		STD	PT04		B, B03.04.15 / B3.4.15-05	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	PT04		B, B03.04.15 / B3.4.15-05	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	PT04		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 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	PT04		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	PT04		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	PT04		B, B03.04.18 / B3.4.18-04 & -05 & -06	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" - For B3.4.18, SURVEILLANCE REQUIREMENTS, underline the headers "SR 3.4.18.1" and "SR 3.4.18.2."
1892		STD	PT04		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	PT04		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	PT04		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

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
2039		STD	PT04		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.
1895		STD	PT04		B, B03.05.06 / B3.5.6-05	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	PT04		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	PT04		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	PT04		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	PT04		B, B03.06.07 / B3.6.7-02	WEC DCD Rev 17 conforming change	For B3.6.7, Actions D.1.1, D.1.2, and D.2, revise first sentence from "Action must be 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	PT04		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."
2040		STD	PT04		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).
1900		STD	PT04		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	PT04		B, B03.07.01 / B3.7.1-05	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)."

**Attachment 1**  
**Shearon Harris Nuclear Power Plant Units 2 and 3 COLA Revision 1 Change Roadmap**

5/6/2009

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
2040		STD	PT04		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).
2041		STD	PT04		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."
1485	AP-STD-0290	STD	PT04		B, B03.07.01 / B3.7.1-06	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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		B, B03.07.02 / B3.7.2-03	WEC DCD Rev 17 conforming change	For B3.7.2, LCO, revise reference to "moisture separator reheat supply steam control valves" in first sentence of second paragraph to read "two moisture separator reheater 2nd stage steam isolation valves"
1907		STD	PT04		B, B03.07.02 / B3.7.2-04	WEC DCD Rev 17 conforming change	For B3.7.2, LCO, in last sentence of third paragraph, revise reference to 10 CFR 100 to reference 10 CFR 50.34
1908		STD	PT04		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	PT04		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"
2042		STD	PT04		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.

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
1910		STD	PT04		B, B03.07.02 / B3.7.2-06	DUPLICATE INFO - 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	PT04		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.
2043		STD	PT04		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	PT04		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."
2044		STD	PT04		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."
1911		STD	PT04		B, B03.07.02 / B3.7.2-07	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	PT04		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.
2120		STD	PT04		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 " <del>moisture separator reheat 2nd stage steam isolation valves</del> " " moisture separator reheat 2nd stage steam isolation valves" " Also, later in the paragraph, revise "ASME Code, Section XI (Ref. 7)" to read, "ASME OM Code (Ref. 7)"
2045		STD	PT04		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: 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.

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
2046		STD	PT04		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."
1912		STD	PT04		B, B03.07.03 / B3.7.3-04	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	PT04		B, B03.07.03 / B3.7.3-04	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	PT04		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: 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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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
1927		STD	PT04		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	PT04		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

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1929		STD	PT04		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	PT04		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	PT04		B, B03.08.03 / B3.8.3-01	WEC DCD Rev 17 conforming change	For B3.8.3, Background, revise the reference to "125 V" in the last sentence of the first paragraph to reference "250 V"
1932		STD	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	PT04		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	STD	PT04		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	PT04		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>PT05</b>							
HAR-104		HAR	PT05	ETE02	02	NPD-NRC-2008-052, H-0174	Revise page 2-4 of the ETE report, Section 2.3, Item 3, to change "26 percent of households" to "68 percent of households."
HAR-106		HAR	PT05	ETE02	02	NPD-NRC-2008-052, H-0176	Assumption 3a on page 2-4 will be removed in the ETE report
HAR-107		HAR	PT05	ETE02	02	NPD-NRC-2008-052, H-0177	The last column of the table on page 2-5 will be changed to "Mobilization Time for the General Population" in the ETE report.
HAR-121		HAR	PT05	ETE03	03	NPD-NRC-2008-052, H-0213	Revise the ETE report: • On page 3-17, change "60 minutes" to "90 minutes" in the final paragraph. • On page 3-17, change "8,100 vehicles" to "12,150 vehicles".
HAR-108		HAR	PT05	ETE03, ETE06, ETE07, ETEAPPJ	03, 06, 07, J	NPD-NRC-2008-052, H-0179	Revise the ETE report to: • Update the discussion of external traffic on page 3-17. • Update Table 6-4. • Add footnote to Table 6-4 indicating that the values presented are for an evacuation of the full EPZ (Region R03). • Update Tables 7-1A through D. • Update Figures 7-3 through 7-7. • Update Appendix J
HAR-126		HAR	PT05	ETE03, ETE06, ETE07, ETEAPPJ	03, 06, 07, J	NPD-NRC-2009-003, H-0400(d)	• Revise discussion of construction scenario on page 3-2 to indicate that all vehicles were extrapolated to 2016, with the exception of external traffic. • Update Table 6-4. • Update Tables 7-1 and J-1 accordingly from rerun construction ETE cases.

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HAR-125		HAR	PT05	ETE03, ETEAPPN	03, N	NPD-NRC-2008-073, H-0231	1. Add Appendix N, "ETE for Construction and Build-Out Scenarios", to the ETE report (see attachment). 2. Add Appendix N to the list of appendices on page ii of the table of contents in the ETE report. 3. Add the following sentence added to the end of the "Construction" discussion on page 3-2 of the revised ETE report: "Appendix N presents ETE for Regions R01, R02 and R03 with the roadway improvements and estimated traffic demand presented in the Traffic Impact Analysis report."
HAR-123		HAR	PT05	ETE05	05	NPD-NRC-2008-052, H-0217	Revise ETE report Section 5 in accordance with the response to RAI H-0217.
HAR-124		HAR	PT05	ETE05	05	NPD-NRC-2008-052, H-0219	Modify Figure 5-1 of the ETE report to include those residents who may work during scenarios (b) and (c).
HAR-109		HAR	PT05	ETE06, ETE08	06, 08	NPD-NRC-2008-052, H-0180	Revise the ETE report: • Reference to "Table 8-6" on page 8-4 will be changed to "Table 8-7". • Update Table 6-3. • The text of Section 8.4 will be clarified as discussed in part b.
HAR-102		HAR	PT05	ETE07	07	NPD-NRC-2008-052, H-0171	Revise the second paragraph of Section 7 of the ETE report in accordance with the response to RAI H-0171
HAR-110		HAR	PT05	ETE08	08	NPD-NRC-2008-052, H-0181	Revise the revised ETE report to: • Change travel time for Bus Route 2 to 45 minutes in description of route on page 8-7. • Update Tables 8-7A and B – 45 minutes travel time for Route 2. • Revise discussion of transit boarding time under "Activity: Board Passengers" on page 8-5.
HAR-111		HAR	PT05	ETE08	08	NPD-NRC-2008-052, H-0185	Revised the ETE report to: • Modify text on page 8-3 based on changes noted above. • Update Table 8-1 • Update Tables 8-6, 8-7A and 8-7B – total buses needed for transitdependent population is now 50. • Update discussion of bus routes on pages 8-7 and 8-8 to reflect the change in the number of buses needed. • Update Table 6-3
HAR-112		HAR	PT05	ETE08	08	NPD-NRC-2008-052, H-0189	Revise the ETE report to: • Include revised Table 8-6 • Add the discussion from RAI H-0189 response to page 8-7 • Revise the discussion of the number of buses needed for each route on pages 8-7 and 8-8.
HAR-114		HAR	PT05	ETE08	08	NPD-NRC-2008-052, H-0192	Revise ETE report Item 1 in the first paragraph of page 8-1 "(1) residents with no vehicles available; and"
HAR-115		HAR	PT05	ETE08	08	NPD-NRC-2008-052, H-0197	Update Table 8-2 in the ETE report to match the number of buses input to the model for each school.
HAR-116		HAR	PT05	ETE08	08	NPD-NRC-2008-052, H-0199	Revise the discussion on pages 8-5 and 8-6 and Tables 8-5A and B, in the ETE report.
HAR-119		HAR	PT05	ETE08	08	NPD-NRC-2008-052, H-0202	Revise ETE report: • Average speeds output by the model at 2 hours will be used to compute the ETE for special facilities. Page 8-9 will be revised accordingly. • Text will be added to discuss the ETE for rain for special facilities.
HAR-120		HAR	PT05	ETE08	08	NPD-NRC-2008-052, H-0203	Revise the ETE Report to modify the sample calculation of ETE for bus A on page 8-9 to include 10 minutes travel time (5 minutes travel time between each facility, there are 3 facilities serviced).
HAR-127		HAR	PT05	ETE08	08	NPD-NRC-2009-003, H-0404	Add a new subheading "Special Needs Population" to page 8-11 of the ETE report and incorporate the information from the response to RAI H-404.
HAR-103		HAR	PT05	ETE08	08.02	NPD-NRC-2008-052, H-0172	Revise Section 8.2 of the ETE report to discuss daycare centers in accordance with the response to RAI H-0172.
HAR-117		HAR	PT05	ETE08	08.03	NPD-NRC-2008-052, H-0200	Update Table 8-4 in the ETE report. Average percentages based on the facilities with data available will be applied to those facilities that did not provide detailed data. The discussion of special facilities will be revised accordingly in Section 8.3.
HAR-129		HAR	PT05		A-1.T / A-10 A-2.F B.04.01.a / B-4	NPD-NRC-2009-005, H-0232	Incorporate changes identified in RAI response



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HAR-128		HAR	PT05		A-1.T / A-9 B.03 / B-2, B-3 B.04.01 / B-4 B.04.02 / B-6 B-1.T / B-15 D.02 / D-2 L.02 / L-2	Consistency change with FSAR Ch. 13.	A title change was necessary, changing the title of "Superintendent - Shift Operations" to "Shift Manager". The locations of this change are shown in the Section / Page column.
HAR-134		HAR	PT05		Acronyms / xv Introduction / Intro-3 A.06 / A-7 C.02 / C-3 Appendix 2 / Appendix 2-1 Appendix 4 / Appendix 4-2	NPD-NRC-2009-005, H-0234	Change Roadmap Item Change Summary to "Acronyms, Introduction, Sections A.6 & C.2, Appendix 2, and Appendix 4 were revised per RAI 13.03-61 - Site 03 (H-0234), with the exception of the typo in item 5, "C. Department . . ." should be "D. Department . . ."
HAR-137		HAR	PT05		Annex 2, Section A2-3.2 / Pg. Annex 2-4 H.01.04.a.1 / H-2	NPD-NRC-2009-005, H-0237	Incorporate changes identified in RAI response
HAR-139		HAR	PT05		Appendix 4 / Appendix 4-1, 4-2	Consistency with other RAI responses as indicated	Since references to actual Plant Implementing Procedures (PEPs) were added to the EP as part of RAI 13.03-66 (H-0239), complementing references were added to Appendix 4.
HAR-130		HAR	PT05		Appendix 5 / Appendix 5-6	NPD-NRC-2009-005, H-0233	Changed response to the original first item of the COL Application Revision of H-0233 to not delete the item B.4.3.a, Emergency Repair Director-OSC.
HAR-131		HAR	PT05		Appendix 5 / Appendix 5-6	NPD-NRC-2009-005, H-0233	Deleted the item "B.4.1.c, Plant Operations Director-CR" from criteria B.5 of the Appendix 5 Cross Reference.
HAR-132		HAR	PT05		Appendix 5 / Appendix 5-6	NPD-NRC-2009-005, H-0233	Incorporate changes identified in RAI response (item 2 of the revision section).
HAR-133		HAR	PT05		Appendix 5 / Appendix 5-6	NPD-NRC-2009-005, H-0233	Change Roadmap Item Change Summary to "Items listed under criteria B.7 of the Appendix 5 Cross Reference were updated per per RAI 13.03-60 - Site 01 (H-0233), item 3, with the exception of the typo "Chemistry Teams" should be "Chemistry Team". RAI response was incorrect, but the HAR EP Rev. 1 is correct for this item.
HAR-135		HAR	PT05		B.02 / B-2	NPD-NRC-2009-005, H-0235	Incorporate changes identified in RAI response.
HAR-118		HAR	PT05	ETEAPPE	E	NPD-NRC-2008-052, H-0201	Revise the ETE report to: • Renumber former Figures E-1, E-2 and E-3 as Figure E-4, E-5 and E-6, respectively. • Include new Figure E-1, E-2 and E-3.
HAR-105		HAR	PT05	ETEAPPH	H	NPD-NRC-2008-052, H-0175	Table H-1 will be added to Appendix H of the ETE report.
HAR-122		HAR	PT05	ETEAPPH	H	NPD-NRC-2008-052, H-0216	Add Table H-1 to Appendix H of ETE report
HAR-113		HAR	PT05	ETEAPPI	I	NPD-NRC-2008-052, H0190	Add a sensitivity study to Appendix I of the revised ETE report to explore the affect of Peak Fest in Apex on ETE.
HAR-138		HAR	PT05		J.01.02 / J-2 K.03 / K-2 J.02.02 / J-5 J.02.03 / J-6	NPD-NRC-2009-005, H-0239	Change Roadmap Item Change Summary to "Sections J.1.2, K.3, J.2.2, and J.2.3 were revised per RAI 13.03-66 - Site 10 (H-0239), with the exception of the change listed in item 3 of the RAI revision section. The first reference to "PEP-330, Radiological Consequences" was not included in the HAR EP revision per instructions from PEC during page turn."
HAR-140		HAR	PT05		L.03.01 / L-2	NPD-NRC-2009-005, H-0240	Incorporate changes identified in RAI response.
HAR-141		HAR	PT05		Supplemental Regulatory Cross Reference Document / Pg. 60 J.01.02 / J-1 and J-2	NPD-NRC-2009-005, H-0247	Incorporate changes identified in RAI response.
HAR-136		HAR	PT05		Supplemental Regulatory Cross Reference Document, Sections IV.4.E.9.a, b, & c / Pg. 5 N.02.01 / N-3	NPD-NRC-2009-005, H-0236	Incorporate changes identified in RAI response.
PT06							
No Change							
PT07							

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2255		STD	PT07		A.01	NRC conformance	1) Add new Subsection, A.1 followed by table listing: A.1 Departures That Can Be Implemented Without Prior NRC Approval
2258		STD	PT07		A.01	NRC conformance	Add statement at end of each departure to identify the need for NRC prior approval
1079	AP-STD-0239	STD	PT07		A.01 / 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.)"
HAR-403			PT07		A.01 / DEP 1.1-1	STD DEP 1.1-1 was applied incorrectly to Subsections in Chapters 2 and 13 of the FSAR, and was inconsistent with R-COLA designations	Remove reference to the following sections and subsections to be consistent with listing in Table 1.8-201 of Part 2, FSAR Chapter 1: 2.0, 2.1.2, 2.1.3, 2.2.2, 2.2.3, 2.3.4, 2.3.5, 2.4.2, 2.4.3, 2.4.4, 2.4.5, 2.4.6, 2.4.7, 2.4.8, 2.4.9, 2.4.10, 2.4.11, 2.4.12, 2.4.13, 2.4.14, 2.5.0, 2.5.1, 2.5.3, 2.5.4, 2.5.5, 13.1.2, 13.1.3, 13.5.1, 13.5.2, 13.8
2286		STD	PT07		A.01 / 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.
HAR-406		HAR	PT07		A.	Editorial	Change the title for Section A from "STD Departures" to "STD and HAR Departures."
HAR-407		HAR	PT07		A.02	Consistency with BLN	Add Section A.2 and table for Departures that Require NRC Approval Prior to Implementation.
PT08							
No Change							
PT09							
No Change							
PT10							
HAR-144		HAR	PT10	ITAAC	03.08.T / T3.8-1	Superseded by HAR-404 Editorial	The version of the EP ITAAC in Part 10, Table 3.8-1 of the HAR COLA, 8.1.3 is incorrect. It appears to be a typo, should have deleted the word "either."
HAR-404		HAR	PT10	ITAAC	03.08.T / T3.8-1	NPD-NRC-2009-005, H-0248	Replace Part 10, Table 3.8-1, with revised Table 3.8-1 included as an attachment to NPD-NRC-2009-005
HAR-145		HAR	PT10	ITAAC	03.08.T / T3.8-2	NPD-NRC-2008-096, H-0262	Table 3.8-2 was added in accordance with the response to H-0262.
HAR-392		HAR	PT10		Appendix B / LC-B1	Consistency with FSAR	Add the following to Part 10, Appendix B: "2.3.33 Yard Fire Water System  No entry for this system."
HAR-393		HAR	PT10		Appendix B / LC-B1	Consistency with FSAR	Add the following to Part 10, Appendix B: "2.5.12 Meteorological and Environmental Monitoring System  No entry for this system."
HAR-394		HAR	PT10		Appendix B / LC-B2	Consistency with FSAR	On page LC-B2, Emergency Planning ITAAC, revise the first sentence to state: "The emergency planning ITAAC are included in the attached Table 3.8-1."
HAR-395		HAR	PT10		Appendix B / LC-B2	Consistency with FSAR	On page LC-B2, following the entry for Emergency Planning ITAAC, create a new entry as follows:  "Waterproof Membrane ITAAC  The waterproof membrane ITAAC is included in the attached Table 3.8-2. Include this ITAAC after DCD Tier 1 Section 3.7."
HAR-143		HAR	PT10	ITAAC	LC#01	Consistency with Page Header	Remove "Combined" from heading and from title page
913		STD	PT10		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	STD	PT10		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..."
HAR-146		HAR	PT10		LC#02	NPD-NRC-2008-87, H-0264	Revise License Condition 2, COL Holder Item 3.6-1 in accordance with the RAI response.

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1825		STD	PT10		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 Borchardt)
1827		STD	PT10		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 Borchardt)
1070	AP-STD-0230	STD	PT10		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	PT10		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 generic PTLR curves.
1082	AP-STD-0242	STD	PT10		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."
731		STD	PT10		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	STD	PT10		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	PT10		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.
1798		STD	PT10		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.
1822		STD	PT10		LC#02, 14.04-03	WEC DCD Rev 17 conforming change	Add new item in Part 10, 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	STD	PT10		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 avoid confusion on whether a footnote was intended.	For COL item No. 14.4-6, remove the opening and closing brackets as well as the "*."

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
1495	AP-STD-0300	STD	PT10		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	PT10		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	PT10		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."
714		STD	PT10		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	PT10		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.
330		STD	PT10		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: "4. Not Used."
300		STD	PT10		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	PT10		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	PT10		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."
1072	AP-STD-0232	STD	PT10		LC#09	SUPERSEDED by Qb 2006 - grammatical error	In License Condition 9, add the word "that" between " specific values" and "can not be determined"

**Attachment 1**  
**Shearon Harris Nuclear Power Plant Units 2 and 3 COLA Revision 1 Change Roadmap**

5/6/2009

Change ID#	AP1000 Change #	COLA	COLA Part	Chapter	Section / Page	Basis for Change	Change Summary
2006		STD	PT10		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."
PT11							
2092			PT11		QAPD II.13.02		Correction to QB Change #831, Item 1: remove extra 'and'
HAR-147		HAR	PT11	QAPD		Editorial correction	Correct admin error in QAPD submitted with HAR and LNP COLAs. Address incorrect approval signature dates on QAPD topical report cover page.
HAR-405			PT11	QAPD	QAPD II.01	NPD-NRC-2009-067, H-0393	Revise the QAPD, Section II.1, and associated Figures II.1-1 through II.1-4 in accordance with the RAI response.
HAR-148		HAR	PT11	QAPD	QAPD II.02.03	NPD-NRC-2008-058, H-0077	Revise Section 2 Quality Assurance Program, of the Progress Energy New Nuclear Plant Quality Assurance Program Description submitted as part of the HAR COLA to include new paragraph 2.3 in accordance with the response to RAI H- 0058 and renumber the remaining sections accordingly
762			PT11	QAPD	QAPD II.02.05	BLN RAI LTR 013, response to 17.05-5	Progress Energy New Nuclear Plant Quality Assurance Program Description, Part II, Section 2.5, 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.
831			PT11	QAPD	QAPD II.02.13.02	BLN RAI LTR 016, response to 17.05-15, item 2	Progress Energy New Nuclear Plant Quality Assurance Program Description, 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
833			PT11	QAPD	QAPD IV	BLN RAI LTR 016, response to 17.05-15, item (3)	Progress Energy New Nuclear Plant Quality Assurance Program Description, Part IV, will be revised to address Regulatory Guides 1.26, 1.29, and 1.37 as shown in the letter redline/strikeout markup.
HAR-149		HAR	PT11	QAPD	QAPD II.02	NPD-NRC-2008-058, H-0078	Revise Section 2, Quality Assurance Program, of the Progress Energy New Nuclear Plant Quality Assurance Program Description submitted as part of the HAR COLA to include the following: "For the COL applications, this QAPD applies to those Nuclear Plant Development and Progress Energy activities that can affect either directly or indirectly the safety-related site characteristics or analysis of those characteristics. In addition, this QAPD applies to engineering activities that are used to characterize the site or analyze that characterization."