

Serial: NPD-NRC-2012-008

April 30, 2012

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

SHEARON HARRIS NUCLEAR POWER PLANT, UNITS 2 AND 3 DOCKET NOS. 52-022 AND 52-023 ROADMAP OF CHANGES IN COMBINED LICENSE APPLICATION, REVISION 4

Reference:

Letter from John Elnitsky (PEC) to U.S. Nuclear Regulatory Commission, dated

April 12, 2012, "Shearon Harris Nuclear Power Plant Units 2 and 3 Submittal of

COL Application, Revision 4", Serial: NPD-NRC-2012-007

Ladies and Gentlemen:

The purpose of this letter is to provide information supporting the recent Progress Energy revision of the Combined License Application (COLA) for Shearon Harris Nuclear Power Plant, Units 2 and 3 (see referenced letter). Attached is a "roadmap" of the changes included in the April 12, 2012 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,

Robert Kitchen

Manager – Nuclear Plant Licensing New Generation Programs & Projects

Enclosure/Attachment

CC

U.S. NRC Region II, Regional Administrator

U.S. NRC Resident Inspector, SNHPP Unit 1 (w/o Attachment 1)

Mr. Brian Hughes, U.S. NRC Project Manager

Ms. Mallecia Sutton, U. S. NRC Environmental Project Manager

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Page 1 of 1

Shearon Harris Nuclear Power Plant Units 2 and 3 Roadmap of Changes in Combined License Application Revision 4 Explanation by Column in Attachment 1

Column	Explanation
Change ID#	Unique identifier for tracking purposes
COLA	Identifies the change as STD (standard) or HAR specific
COLA Part	Part 1 (PT01) through Part 11 (PT11)
Chapter	FSAR or ER Chapter
Section	Section/Subsection of the Chapter or Part
Basis for Change	The source of the change
Change Summary	Short description of the change

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HAR PT01 Q2.01 Information *The latest published Progress Ferry Annual Report as of 1231/2010 is available at https://www.progress-energy.com/assets/www.foc.st/company/2010arpgn.pdf.* AR-1043 HAR PT01 Q2.01 Editorial Selection Editorial Selection Farth 1/2 only as part of second page of withheld information in Section 2.1 to match Levy Part 1.					İ		To read:
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proprietary information) and safeguards information, contained in the AP1000 DCD. Such DCD information is included in this combined license application in the same manner as it is included in the AP1000 DCD, i.e., references in the DCD are included as references in the FSAR, and material incorporated by reference into the DCD are included as references in the FSAR, and material incorporated by reference into the DCD are included as references in the FSAR, and material incorporated by reference into the DCD are included as references in the FSAR, and material incorporated by reference into the DCD are included as references in the FSAR, and material incorporated by reference into the DCD are included as references in the FSAR, and material as rights to possession (including constructive possession) and use of the withheld sensitive unclassified non-safeguards information (including proprietary information) and safeguards information referenced in the AP1000 DCD COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised from: Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 18 including any supplemental material as identified in Table 1.6-201. To read: Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 19 including any supplemental material as identified in Table 1.6-201. COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised to include the following second paragraph under LMA STD SUP 1.1-1:							
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VEGP-VOL-Ch01 IBR of PI & SGI item 1 SNC Ltr ND-11-0254 STD PT02 FSAR01 01.01 ND-11-0254 COLA Part 2, FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 18 including any supplemental material as identified in Table 1.6-201. To read: Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 19 including any supplemental material as identified in Table 1.6-201. DCD Rev 19 COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised to include the following second paragraph under LMA STD SUP 1.1-1: COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised to include the following second paragraph under LMA STD SUP 1.1-1:			•				proprietary information) and safeguards information, contained in the AP1000 DCD, such DCD information is included in this combined license application in the same
PT02 FSAR01 01.01 PI & SGI item 1 SNC Ltr ND-11-0254 and use of the withheld sensitive unclassified non-safeguards information (including proprietary information) and safeguards information referenced in the AP1000 DC for the life of the project. STD PT02 FSAR01 01.01 PT04 FSAR01 01.01 PT054 Including any supplemental material as identified in Table 1.6-201. To read: Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 19 including any supplemental material as identified in Table 1.6-201. To read: Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 19 including any supplemental material as identified in Table 1.6-201. COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised to include the following second paragraph under LMA STD SUP 1.1-1:							manner as it is included in the AP1000 DCD, i.e., references in the DCD are included as references in the FSAR, and material incorporated by reference into the DCD
STD PT02 FSAR01 01.01 ND-11-0254 for the life of the project. COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised from: Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 18 including any supplemental material as identified in Table 1.6-201. To read: Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 19 including any supplemental material as identified in Table 1.6-201. DCD Rev 19 COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised to include the following second paragraph under LMA STD SUP 1.1-1:							
Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 18 including any supplemental material as identified in Table 1.6-201. To read: Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 19 including any supplemental material as identified in Table 1.6-201. To read: Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 19 including any supplemental material as identified in Table 1.6-201. DCD Rev 19 DCD Rev 19 COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised to include the following second paragraph under LMA STD SUP 1.1-1:	9238	STD	PT02	FSAR01	01.01		for the life of the project.
Table 1.6-201. To read:							
To read: Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 19 including any supplemental material as identified in Table 1.6-201. DCD Rev 19 COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised to include the following second paragraph under LMA STD SUP 1.1-1:							
Throughout this FSAR, the "referenced DCD" is the AP1000 DCD submitted by Westinghouse as Revision 19 including any supplemental material as identified in Table 1.6-201. DCD Rev 19 COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised to include the following second paragraph under LMA STD SUP 1.1-1: DCD Rev 19 and final			1				
Table 1.6-201. DCD Rev 19 Table 1.6-201. DCD Rev 19 COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised to include the following second paragraph under LMA STD SUP 1.1-1: DCD Rev 19 and final							
COLA Part 2, FSAR Chapter 1, Section 1.1, Introduction, revised to include the following second paragraph under LMA STD SUP 1.1-1: DCD Rev 19 and final			1				
DCD Rev 19 and final	9190	STD	PT02	FSAR01	01.01	DCD Rev 19	001.0.42.5010.00
						DCD Rev 19 and final	COLD Part 2, FOAK Chapter 1, Section 1.1, Introduction, revised to include the following second paragraph under LMA STU SUP 1.1-1:
	9395	STD	PT02	FSAR01	01.01		Appendix D to 10 CFR Part 52 is hereby incorporated by reference into the COL application.

						
		COLA	į			
Change ID#	COLA	Part	Chapter	Section	Basis for Change	Change Communication of the Co
Change ID#	COLA	Part	Chapter	Section	Basis for Change_	Change Summary FSAR Section 1.15 revised to read:
				1		roan decidi 11.3 revised to read.
		l .			SUPERCEDED BY 2011	rma 2 Construction Completion/Fuel Load 2nd Quarter 2025 (or later)
	l	1			INTEGRATED	Commercial Operation 1st Quarter 2026 (or later)
		1		i	RESOURCE PLAN:	HAR 3
			1		NPD-NRC-2011-030	Construction Completion/Fuel Load 4th Quarter 2026 (or later)
	LUAD	DT00	EC 4 DO4	04.04.05	response to H-0655 Item	Commercial Operation 3rd Quarter 2027 (or later)
HAR-002	HAR	P102	FSAR01	01,01,05	2	The dates assume a COL is issued in 2014. A site-specific construction plan and startup schedule will be provided to the NRC after issuance of the COL.
1		1				Update completion and commercial operation dates in accordance with 2011 Integrated Resource Plan. FSAR Section 1.1.5 revised to read:
i	!	1				"HAR 2
					<u> </u>	Construction Completion/Fuel Load 2nd Quarter 2026 (or later)
						Commercial Operation 1st Quarter 2027 (or later)
					1	HAR 3
					0044 1-444	Construction Completion/Fuel Load 4th Quarter 2027 (or later)
	l		504504		2011 Integrated	Commercial Operation 3rd Quarter 2028 (or later)
HAR-003	HAR	PT02		01.01.05	Resource Plan	The dates assume a COL is issued in 2014. A site-specific construction plan and startup schedule will be provided to the NRC after issuance of the COL.
HAR-004	HAR	PT02	FSAR01	01.01.06.06	editorial	In introductory first line, delete the word "united" from text.
					401/404 enviromental	Revise General Arrangement HAG-0000-P2-001 to show the alignment of the blowdown pipeline, and the U3 switchyard changes. Then Revise the FSAR figure noted
		1	1		permit consistency Item	(based on latest revisions of GA and grading drainage and temporary construction facilities drawings). The pipeline alignment has been revised and the U3 switchyard
HAR-005	HAR	PT02	FSAR01	01.01.F / F1.1-201,	13	relocated to the east.
					404 enviromental permit	
HAR-006	HAR	PT02	FSAR01	01.01.F / F1.1-201,	consistency	Revise dwg to reflect HAR 3 switchyard size and location change.
HAR-007	HAR	PT02	FSAR01	01.01.T / T1.1-202	Editorial/Match STD	In the rows for the Margin Notations STD COL X.Y.# and NPP COL X.Y.#, revise "Table 1.8-201" to "Table 1.8-202" to match Vogtle and reference the correct table.
HAR-008	HAR	PT02	FSAR01	01.05,	Editorial/Match STD	Revise Section 1.5 heading to correct spelling of "Information" and update Table of Contents and Master FSAR Table of Contents.
HAR-009	HAR	PT02	FSAR01	01.06.T / T1.6-201	Editorial/Match STD	Remove the space between "Westinghouse" and "/" to read "Westinghouse/"
HAR-010	HAR	PT02	FSAR01	01.06.T / T1.6-201	Editorial/Match STD	Revise "that" to "That" in the title of entry NEI 07-08A to match VEGP.
						Revise LMA "HAR SUP 1.6-2" to LMA "HAR SUP 1.6-1" on Sheet 1 and add site-specific LMA "HAR SUP 1.6-1" to Sheet 2 of Table 1.6-201 aligned with entry for
HAR-011	HAR	PT02	FSAR01	01.06.T / T1.6-201	LMA	Security Plan.
HAR-012	HAR	PT02	FSAR01	01.06.T / T1.6-201	Editorial	Add ADAMS Accession Number for Emergency Plan entry (ML11117A878).
HAR-013	HAR	PT02	FSAR01	01.06.T / T1.6-201	NPD-NRC-2012-006	For Security Plans entry, update Revision number to 3, update document transmittal date to March 2012.
HAR-014	HAR	PT02	FSAR01	01.06.T / T1.6-201	HAR CSP REV 3	Table 1.6-201, revise Cyber Security Plan revision from "2" to "3" and date from "April 2010" to "April 2012"
		1				COLA Part 2, FSAR Chapter 1, Section 1.6, Table 1.6-201, under HAR SUP 1.6-2, QAPD Revision and Document Transmittal Date revised to reflect the current QAPD
l			l		-	from:
l		1	l			Revision 5
l	1	1	l		•	December 2010
	1		l '		1	·
	l		ŀ		1	To read:
			1			Revision 4
HAR-015	HAR	PT02	FSAR01	01,06,T / T1,6-201	Editorial Correction	April 2012
		1				COLA Part 2, FSAR Chapter 1, Section 1.6, Table 1.6-201, revised to add a new line item under STD SUP 1.6-1:
	l	1				
		i				10CFR Part 52 Design Certification Rule 1.1 December 2011 ML113480014
	ŀ				DCD Rev 19 and final	Appendix D for the AP1000 Design
9445	STD	PT02	FSAR01	01.06,T / T1.6-201	design certification	, ··
					i	COLA Part 2, FSAR Chapter 1, Section 1.6, Table 1.6-201, revised from:
	1	1			1	Westinghouse/APP-GW-GL-700
	l	1	l	1	1	AP1000 Design Control Document
	1	Ì	1		I	18 · ·
	l	1		l	1	All
					1	December 2010
		1			1	December 2010 ML 103480572
	l	[.		1	1	
	F	1		1	1	To read:
		1		1	1	10 read: Westindhouse/APP-GW-GL-702
					l	westingnoise/in-r-gw-3L-702 AP1000 Design Control Document
						APTUU Design Control Document
					1	19 All
				l		⁷ !!!
9191	STD	DT02	FSAR01	01.06.T / T1.6-201	DCD Rev 19	June 2011 ML11171A500
	HAR		FSAR01	01.06.T / T1.6-201	LMA Placement	
			FSAR01	01.06.T / T1.6-201	Editorial	Move the LMA "STD SUP 1.6-1" to align with note a.
		ILIA	JAKUI	01.06.1 / 11.6-201 01.08.T / T1.8-202	Editorial - Consistency in	Add LMA of "HAR SUP 1.6-1" to Note b in accordance with HAR COLA Rev 3 Roadmap Change ID HAR-084. Also add separator lines.
	HAR				Eultonat - Consistency in	· · · · · · · · · · · · · · · · · · ·
HAR-018		DTAA	ECADO4		araaa rafarar	Add small reference to ECAD and and 4.4.4.4.2.
HAR-018	HAR	PT02	FSAR01	11.4-1	cross references	Add cross reference to FSAR section 11.4.2.4.3.
HAR-018		PT02	FSAR01		DCD Rev 18 and	Add cross reference to FSAR section 11.4.2.4.3.
HAR-018		PT02	FSAR01	11.4-1	DCD Rev 18 and resulting need to change	
HAR-018 HAR-652	HAR		h.	11.4-1 01.08.T / T1.8-202	DCD Rev 18 and resulting need to change reference in Table 1.8-	Revise Subsection 11.5.7 COMBINED LICENSE INFORMATION to be numbered 11.5.8. Also change Table of Contents (and master TOC). Change Chapter 1, Table
HAR-018			FSAR01	11.4-1 01.08.T / T1.8-202 11.5-2	DCD Rev 18 and resulting need to change reference in Table 1.8- 202 for COL Item 11.5-2	
HAR-018 HAR-652	HAR	PT02	h.	11.4-1 01.08.T / T1.8-202 11.5-2	DCD Rev 18 and resulting need to change reference in Table 1.8-	Revise Subsection 11.5.7 COMBINED LICENSE INFORMATION to be numbered 11.5.8. Also change Table of Contents (and master TOC). Change Chapter 1, Table

		COLA				
Change ID#	COL 4		Chapter	Section	Basis for Change	Change Summary
Change ID#	COLA	rant	Criapter	Section	Dasis for Change	Criange Summary COLA Part 2, FSAR Chapter 1, Table 1.8-202, revise FSAR cross references so Table 1.8-202 and LMAs are consistent. Revise the following COL item cross
1		ļ				references as noted:
						COL Item #s:
			l		ł	
			ì			2.4-2: Add 2.4.10
1						2.4-3: Change 2.4.1 to 2.4.1.1
		1				2.4-6: Delete 2.4.10
						2-5-6: Add 2.5-4.10.3.7
					·	2.5-13: Delte 2.5.4.10.3.7
1						2.3-1. Delete 2.3-1.0.3-7 3.3-1. Delete 2.2.1
						3.5-1: Delete 2.2.1
					1	3.6-1: Change 14.3.3.2 to 14.3.3.3
1					1	3.9-4: Add 3.9.6.2.3, 3.9.6.3, 3.9.6.2.5
				i	i	3.9-5: Add 3.9.8.5
				1		3.9-7: Change 14.3.3.3 to 14.3.3.4
				1	1	5.3-2: Add 5.3.2.6.3
				I	1	6.6-1: Add 6.6.3, 6.6.4, 6.6.6
				I	1	8.2-1: Delete 8.2.1.1
]					1	9.2-2: Add 9.2.9.5
				Ì	i	9.5-1: Change 13.1.2.1.3.9 to 13.1.2.1.4.9
					1	9.5-2: Change "through 9A.3.3.8" to "through 9A.3.3.9"
					[10.4-3: Change 10.4.5.2.1 to 10.4.5.2.2
						11.2-2: Add 11.2.3.3
					ŀ	11.5-2: Add 11.5.1.2, 11.5.3, 11.5.4
					Ī	11.5-3: Add 11.2.3.5.1, 11.2.3.5.2, 11.2.3.5.4, 11.3.5.1
						12.3-1; Add 12.5.4
						13.5-1: Add 13.5.1
						13.6-1: Add 13.6
i l				01,08,T / T1,8-202	Editorial - Consistency in	13.5 · Add 14.2.1, 14.2.1.4, 14.2.1.5, 14.2.3, 14.2.3.1, 14.2.6
HAR-019	HAR	PT02	FSAR01	General	cross references	14.44: Add 14.2.3.3.1
HAR-020			FSAR01	01.08.T / T1.8-202 a)	Editorial/Match STD	Add "a)" to beginning of the note, replacing "Note a".
1541, 626			. 0,	01.00.17 11.0 202 47	VEGP-VOL-CH01 Div 5	1. COLA Part 2, FSAR Chapter 1, Section 1.9.1, third paragraph revised to read (retain the left margin annotation (LMA) of STD COL 1.9-1):
1		1 1		l	RGs in response to	oo 2 (all 2,) o a constant (all 2) o
1					VEGP 01 VR2 item 1	Division 5 of the regulatory guides applies to materials and plant protection. As appropriate, the Division 5 regulatory guide topics are addressed in the DCD and plant-
9256	STD	PT02	FSAR01	01,09,01	SNC Ltr ND-11-0261	specific security plans (i.e., Physical Security Plan, Training and Qualification Plan, Safeguards Contingency Plan, and Cyber Security Plan).
				01.09.01	Editorial/Match STD	Revise end of first sentence of Subsection 1.9.1 from period to a colon.
				01.09.01	Editorial/Match STD	Revise end of first sentence of Subsection 1.9.1.1 from period to a colon.
	10.00		7 67 11 (6)	01.00.01	Editoria villatori O i B	The state of the control of the state of the
		l i				4. COLA Part 2, FSAR Chapter 1, Section 1.9.1.3, Division 5 Regulatory Guides - Materials and Plant Protection, revised to read (retain the LMA of STD COL 1.9-1):
						Division 5 of the regulatory guides applies to materials and plant protection. Appendix 1AA provides an evaluation of the degree of conformance with Division 5
1 1						regulatory guides as applicable to the content of the AP1000 DCD and the plant-specific Cyber Security Plan. The plant-specific physical security plans (i.e., Physical
						Security Plan, Training and Qualification Plan, and Safeguards Contingency Plan) were developed using the template in NEI 03-12, Revision 6, "Template for the
					VEGP-VOL-CH01 Div 5	
					RGs in response to	Security Plan, Training and Qualification Plan, Safeguards Contingency Plan (and Independent Spent Fuel Storage Installation Security Program)," which was endorsed for use by NRC letter dated April 9, 2009. The plant-specific physical security plans include no substantive deviations from the NRC-endorsed template in NEI 03-12,
					VEGP 01 VR2 item 4	ior use by NRL enter dated Apria 9, 2009. The plant-specinic physical security plants include no substantive deviations from the NRC-endorsed tempitate in NEI 03-12, Revision 6. Therefore, the degree of conformance with Division 5 regulatory guides for the plant-specific physical security plans is consistent with the degree of the plant-specific physical security plans is consistent with the degree of the plant-specific plants and the plant-specific plants are not plant and the plant specific plants are not plant and the plant specific plants are not plant and the plant specific plants are not plants.
9259	STD	ا محما	FSAR01	01,09,01,03	SNC Ltr ND-11-0261	Revision 6. Therefore, the degree of conformance with Division's regulatory guides for the plant-specific physical security plants is consistent with the degree of conformance of ICEI 03-12. Revision 6.
9259 HAR-023				01.09.01.05		conformance of NEI US-12, Revision 6. Detele comma after "5"
				01.09.01.05	Editorial/Match STD	
HAR-024					Editorial/Match STD	At the end of the first sentence of the second paragraph of Subsection 1.9.4.1 revise "Issues". " to "Issues". ".
HAR-025			FSAR01	01.09.04.01	Editorial/Match STD	Change "Supplement" to "supplement in the second paragraph of Subsection 1.9.4.1.
HAR-026				01.09.04.02.03	Editorial/Match STD	In the FSAR Position for Issue 186 of Subsection 1.9.4.2.3, add a space after "maintenance/" such that it reads "maintenance/ repairs)." in the first sentence.
HAR-027	HAR			01.09.04.02.03	Editorial/Match STD	Delete the word "to" after address in the third sentence of the FSAR Position for Issue 186 of Subsection 1.9.4.2.3.
HAR-028				01.09.04.02.03	Editorial/Match STD	Delete comma after "Subsection 1.9.4.2.3" in introductory sentence for Issue 191.
HAR-029				01.09.04.02.03	Editorial/Match STD	Delete "in" in the first sentence of the FSAR Position for Issue 191.
				01.09.05.01.05	Separator line	Add separator line after heading 1.9.5.1.5 Station Blackout to match Vogtle.
				01.09.05.01.05	Editorial/Match STD	Revise "Section" to "Subsection" in the first sentence, first paragraph, to match Vogtle
				01.09.05.01.05	Editorial/Match STD	Revise the first sentence of the second paragraph to read "Training and procedures to mitigate"
				01.09.05.01.05	Editorial/Match STD	Revise "blackout [SBO])" to "blackout (SBO))" in the second paragraph of Subsection 1.9.5.1.5
			FSAR01	01.09.05.01.05	Editorial/Match STD	Revise "on-site" to "onsite" in the second sentence of the second paragraph of Subsection 1.9.5.1.5 to match Vogtle.
HAR-035	HAR	PT02		01.09.05.01.05	Editorial/Match STD	Revise "rely on off-site or on-site ac sources" to "rely on offsite or onsite ac sources" in the third sentence of the second paragraph of Subsection 1.9.5.1.5.
						Delete the last sentence "In addition, there are no nearby large power sources, such as a gas turbine or black start fossil fuel plant, that can directly connect to the
HAR-036	HAR	PT02	FSAR01	01.09.05.01.05	Editorial/Match STD	station to mitigate the event." of the second paragraph in Subsection 1.9.5.1.5.

	1	T	1	1	T	
Change ID#	COLA	COLA	Chapter	Section	Basis for Change	Change Summary
Change ID#	COLA	ran	Chapter	Section	Basis for Change	Change Summary
				1		COLA FSAR Part 2, Chapter 1, Table 1.9-201, revise cross references and LMAs for consistency. Revise the following Regulatory guide cross references as follows:
]						Regulatory Guide #s:
						1.21: Add 11.5.4.2
						1.68: Add 14.2.3.2.1
						1.78: Delete 6.4.4.2 1.109: Change 12.4.1.9.3 to 12.4.1.9.3.2.2, Delete Table 12.4-201
						1.110: Change 11.3.3.4.3 to 11.3.3.4.4
						1.114: Change 13.1.2.1.3.6 to 13.1.2.1.4.6, Change 13.1.2.1.4 to 13.1.2.1.5 1.132: Add Table 2,0-201
		İ		•		1.189: Change 13.1.2.1.3.9 to 13.1.2.1.4.9
					Editorial - Consistency in cross references	1.198: Change 2.5.4.8 to 2.5.4.8.1
HAR-037	HAR	PT02	FSAR01	01.09.T / T1.9-201	formatting	1.208: Add Table 1.8-201, 1.9.5.5, Table 1.9-202, Add "See Appendix 1AA", Change 2.0 to 2.1, Add 2.2, 2.4, 14.2.1, Delete 14.3.2.3.2 1.208: Add 2.5.1.1.4.2.5.2.2, Change 2.5.1.2.4 to 2.5.1.2.4.1.1, Add 2.5.2.2, 2.5.2.3, 2.5.2.4, 2.5.2.4.1.1.2, 2.5.2.4.3, 2.5.3.5, 2.5.3.8, Delete 2.5.4
					VEGP-VOL-CH01 Div 5	
					RGs in response to	2. COLA Part 2, FSAR Chapter 1, Section 1.9, Table 1.9-201, Regulatory Guide/FSAR Section Cross-References, revised (retain the LMA of STD COL 1.9-1).
9257	STD	PT02	FSAR01	01.09.T / T1.9-201	VEGP 01 VR2 item 2 SNC Ltr ND-11-0261	(Refer to the final response letter for the complete change)
					VEGP-VOL-CH01 Div 5	3. COLA Part 2, FSAR Chapter 1, Section 1.9, Table 1.9-201, Regulatory Guide/FSAR Section Cross-References, revised by adding Note # at the end of the table (where # is the next sequential note identifier), with an LMA of STD COL 1.9-1, as follows:
		1	ļ		RGs in response to	
9258	STD	PT02	FSAR01	01.09.T / T1.9-201	VEGP 01 VR2 item 3 SNC Ltr ND-11-0261	#. Division 5 of the regulatory guides applies to materials and plant protection. As appropriate, the Division 5 regulatory guide topics are addressed in the DCD and plant specific security plans (i.e., Physical Security Plan, Training and Qualification Plan, Safeguards Contingency Plan, and Cyber Security Plan).
			ŀ	01.09.T / T1.9-201		
9595	STD	PT02	FSAR01	1.197 01.09.T / T1.9-201	DCD Rev 17	COLA Part 2, FSAR Chapter 1, Section 1.9, Table 1.9-201, the date for RG 1.197, revised from February 2003 to May 2003.
HAR-049	HAR	PT02	FSAR01	1.101	Editorial/Match STD	Change RG 1.01 to 1.101 in two locations.
HAR-050	HAR	PT02	FSAR01	01.09.T / T1.9-201 1.101	Separator lines & LMA	Add separator line between Rev 5 and Rev 4 entries of RG 1.101. Delete separator line below RG 1.101 Rev 3 and move LMA HAR COL 1.9-1 to be next to RG 1.101 Rev. 4 entry.
HAR-038	HAR	PT02	FSAR01	01.09.T / T1.9-201 1.11	Editorial/Match STD	Revise "See" to "see" to match Vogtle.
		T		01.09.T / T1.9-201		
HAR-051	HAR	PT02	FSAR01	1.135 01.09,T / T1,9-201	Editorial/Match STD	Revise from "Not referenced; see Appendix 1AA" to "DCD discussion only; see DCD Table 1.9-1" to match Vogtle.
HAR-052	HAR	PT02	FSAR01	1.147	Editorial/Match STD	Revise "section" to "Section" to match Vogtle.
		1				·
HAR-653	HAR	DTOO	FSAR01	01.09.T / T1.9-201 1,154	Editorio Mantolo OZD	Bolds was the No. of the Co. of the co.
				01.09.T / T1.9-201	Editorial/Match STD	Delete separator line above RG 1.154 entry.
HAR-053	HAR	PT02	FSAR01	1.175 01.09.T / T1.9-201	Editorial/Match STD	Revise "Decisionmaking" to "Decision making".
HAR-054	HAR	PT02	FSAR01	1.177	Editorial/Match STD	Revise "Decisionmaking" to "Decision making".
HAR-055	HAR	PT02	FSAR01	01.09.T / T1.9-201 1.178	Editorial/Match STD	Revise "Decisionmaking" to "Decision making".
HAR-056	HAR	PT02	FSAR01	01.09.T / T1.9-201 1.180	Editorial/Match STD	Delete space after "Safety-" to match Vogtle.
				01.09.T / T1.9-201		
HAR-057	HAR	PT02	FSAR01	1.181 01.09.T / T1.9-201	Editorial/Match STD	Fix/delete paragraph return in the title.
HAR-058	HAR	PT02	FSAR01	1.185	Editorial/Match STD	Revise "Post-Shutdown" to "Post-shutdown" to match Vogtle.
HAR-059	HAR	PT02	FSAR01	01.09.T / T1.9-201 1.198	LMA	Add separator lines and LMA HAR COL 1.9-1 for RG 1.198 entry.
HAR-060	HAR	PT02	FSAR01	01.09.T / T1.9-201 1,200	Separator line	Delete separator line above RG 1.200 entry.
HAR-039	HAR		FSAR01	01.09.T / T1.9-201		
				1.23 01.09.T / T1.9-201	Editorial/Match STD	Revise "Program" to "Programs".
HAR-040	HAR	PT02	FSAR01	1.26	Editorial/Match STD	Revise "Radioactive-Waste-Containing" to "Radioactive - Waste - Containing". Change last column to fix order of FSAR Subsections:
						*14.2. ² .2
HAR-041	HAR	PT02	FSAR01	01.09.T / T1.9-201 1.28	Editorial/Match STD	17.5 (QAPD, II, 17.1) 17.5 (QAPD, IV)"
					Lancing Mileton OT D	Change last column to fix order of FSAR Subsections:
HAR-042	HAR	PT02	FSAR01	01,09,T / T1.9-201 1,37	Editorial/Match STD	"17.5 (QAPD, II, 13.2) 17.5 (QAPD IV)"
					1==	1.1.1. Jan. 1. a. 1. /

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		COLA				·
Change ID#	COLA	Part	Chapter	Section 01.09.T / T1.9-201	Basis for Change	Change Summary
HAR-043	HAR	PT02	FSAR01	1.38	Editorial/Match STD	Revise "Water- Cooled" to "Water-Cooled".
6974	STD	PT02	FSAR01	01.09.T / T1.9-201 1.52	Editorial/Match STD DCD Rev. 18	RG 1.52 is STD and is missing. Add RG 1.52 to match Vogule: "1.52 Design, Inspection and Testing Criteria for Air Filtration and Adsorption 16 (TS 3.7.6)" Units of Post-Accident Engineered-Safety-Feature Atmosphere Cleanup Systems in Light-Water-Cooled Nuclear Power Plants (Rev. 3, June 2001)
	415	1				Revise RG 1.53 to match Vogtle:
HAR-044	HAR	PT02	FSAR01	01.09.T / T1.9-201 1.53	Editorial/Match STD	" 1.53 Application of the Single-Failure Criterion to Safety Systems DCD discussion only; (Rev. 2, November 2003) see DCD Table 1.9-1"
HAR-045	HAR	PT02	FSAR01	01.09.T / T1.9-201 1.54	Editorial/Match STD	Add comma after "Service Level I, II".
HAR-046				01.09.T / T1.9-201		Change last column to fix order of FSAR Subsections to match Vogite: "14.2.1 14.2.3 14.2.5 14.2.5.2
HAR-046	HAR	PT02	FSAR01	1.68 01.09.T / T1.9-201	Editorial/Match STD	16 (TS Bases 3.1.8)"
HAR-047	HAR	PT02	FSAR01	1.78 01,09.T / T1.9-201	Editorial	Delete second instance of "6.4.3" as it is a duplicate.
HAR-048	HAR	PT02	FSAR01	1.97	Editorial/Match STD	For RG 1.97 R3 change "For" to "for".
HAR-061	HAR	PT02	FSAR01	01.09.T / T1.9-201 8.7 01.09.T / T1.9-202	Editorial/Match STD	Delete "Exposure" from title and replace with "Dose."
HAR-070	HAR	PT02	FSAR01	Item 16	Editorial/Match STD	Add ", Rev. 2, 03/2007" after "Specifications".
HAR-066	HAR	PT02	FSAR01	01.09.T / T1.9-202 12.1	Editorial/Match STD	Delete commas after "8.8" and "1.16" in the last paragraph of the comments column for entry 12.1.
HAR-067	HAR	PT02	FSAR01	01.09.T / T1.9-202 13,2.1	Editorial/Match STD	Delete "Technical Report on a" from the comments column,
HAR-068	HAR	PT02	FSAR01	01.09.T / T1.9-202 15	Editorial/Match STD	Revise "Introduction-Transient" to "Introduction -Transient" to match Vogtle.
HAR-069	HAR	PT02	FSAR01	01.09.T / T1.9-202 15.2.7	Editorial/Match STD	Add ", Rev. 2, 03/2007" after "Flow".
HAR-062	HAR	PT02	FSAR01	01.09.T / T1.9-202 3.9.2	Editorial/Match STD	Add comma after "Structures" to match Vogtle.
HAR-063	HAR	PT02	FSAR01	01.09.T / T1.9-202 5.3.2	Editorial/Match STD	Delete commas after "Limits" and "Energy".
HAR-064	HAR	PT02	FSAR01	01.09.T / T1.9-202 6.2.1.1.B	Editorial/Match STD	Add comma after "Containments" to match Vogtle.
HAR-065	HAR	PT02	FSAR01	01.09.T / T1.9-202 7	Editorial/Match STD	Change "- Overview" to "-Overview".
	HAR		FSAR01	01.09.T / T1.9-203	Editorial/Match STD	Capitalize "of" and "and" in the title (also update list of tables) to match VEGP.
	HAR HAR		FSAR01 FSAR01	01.09.T / T1.9-203 185 01.09.T / T1.9-203 186		In the Applicable Screening Criteria column revise "h (High)" to "h" to match VEGP. Delete comma after 9.1.5.3 and flip flop the notes Subsections around to match VEGP and go in order.
	HAR		FSAR01	01.09.T / T1.9-203 191		Delete comma atter 9.1.3.3 and tilp tiop the notes Subsections around to match VESP and go in order. Revise "lien" to "item".
	HAR		FSAR01	01.09.T / T1.9-203 193		Terry 193 is not in VEGP - delete from HAR.
HAR-076	HAR	PT02	FSAR01	01.09.T / T1.9-203 B-	Editorial/Match STD	Delete the duplicate entries for items: B-64, B-72, C-4, C-5, and C-6 on Sheet 12.
				01.09.T / T1.9-203		
	HAR	PT02	FSAR01	III.D.3.5(3) 01.09.T / T1.9-204 06-	Editorial/Match STD	Delete the duplicate entries for items: III.D.3.5(3) and IV.A.1 on Sheet 8 and entries for items: IV.A.2 and IV.B.1 on Sheet 9.
HAR-078	HAR	PT02	FSAR01	01 01.09.T / T1.9-204 06-	LMA	Delete "Technical Specifications".
HAR-088	HAR	PT02	FSAR01	02 01.09.T / T1.9-204 80-	Editorial/Match STD	Add penod after "See Note a" to match Vogtle.
HAR-079	HAR	PT02	FSAR01	055 01.09.T / T1.9-204 80-	Editorial/Match STD	Revise "of" to "Of" and delete period after "80-15".
HAR-080	HAR	PT02	FSAR01	094	Editorial/Match STD	Delete "Emergency Plan" from the Comment column to match VEGP.
HAR-081	HAR	PT02	FSAR01	01.09.T / T1.9-204 80- 26 01.09.T / T1.9-204 80-	Editorial/Match STD	Revise "(3/ 80)" to delete the extra space: "(3/80)".
HAR-082	HAR	PT02	FSAR01	51 01.09.T / T1.9-204 83-	Editorial/Match STD	Revise "of" to "Of".
HAR-083	HAR	PT02	FSAR01	06	Editorial/Match STD	Revise "for" to "For".
HAR-084	HAR	PT02	FSAR01	01.09.T / T1.9-204 89- 08	Editorial/Match STD	Delete "(5/89)".
HAR-085	HAR	PT02	FSAR01	01.09.T / T1.9-204 89- 12	Editorial/Match STD	Revise "Examinations" to "Examination".
HAR-086	HAR	PT02	FSAR01	01.09.T / T1.9-204 89- 15	Editorial/Match STD	Revise "(8/ 89)" to delete the extra space: "(8/89)" to match Vogtle.

HAR-101 HAR PT02 FSAR01 01.AA RG 1.052 Match STD Conformance with the design and operational aspects is as stated in the DCD. HAR-102 HAR PT02 FSAR01 01.AA RG 1.065 Editorial/Match STD Revise "NB-2545" to "NB 2545" and "NB-2546" to NB 2545" COLA Part 2, FSAR Chapter 1, Appendix 1AA, Regulatory Guide 1.82 is revised from: Conformance of the design aspects with Revision 2 of this Regulatory Guide is as stated in the DCD. Conformance with Revision 3 of this Regulatory Guide is as stated in the DCD. Conformance with Revision 3 of this Regulatory Guide is as stated in the DCD. Conformance with representational aspects is documented below. To read: Conformance with the design aspects is as stated in the DCD. Conformance with programmatic and/or operational aspects is documented below. To match Vogite revise from "Conformance of the design aspects is as stated in the DCD. Conformance of the programmatic and/or operational aspects is documented below. General Exception Steam generator tube surveillance is in accordance with Nuclear Energy Institute (NEI) 97-06. This guidance has been endorsed by NRC as an acceptable program basis."			_		1		-
State Column Stat			COLA				
MAC-653 MAR	Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
MARCHES MAX 170 FASARS 10.05 F71.05.205 15.0 10.05 10	1		1	<u> </u>		DEDICTOR CHANGE	- Charles Commany
MAR PTO FARRO 14	HAR-087	HAR	PT02	FSAR01	15	LMA Note	Add separator lines and LMA HAR COL 1.9-2.
MARCH MARCH MIT SARDT MIT MARCH MIT MARCH MA							
HAR-98 HAR							
HAR-028 HAR PTO FAARD 10 1 1 1 1 1 1 20 EditorialNate STD Review to nutations of TELE* to National Professional Profes							
MAR. FT02 FSAR							
MARCON MAR							
HisR-093 HAR PT02 FSAR01 01.10 71.11-0201 EditorialMatos STD **Wind-Generated, Committee Control Related Debts and Misslate** HAR PT02 FSAR01 01.10 71.11-0201 EditorialMatos STD Revise for practical of OTISS in **Potritis** of OTISS in **Pot	HAR-092	HAR	P102	I SARUT	01.10.1 / 11.10-201	Editorial/Match 51D	
HAR-049 HAR 9T02 [5A801 0] 0.110 7T1.10-202 (Setosyathan STD Add parted to the minumes of "On-Sile" to "On-Si	HAR-093	нар	DT02	ESAP01	01 10 T / T1 10-201	Editorial/Match STD	
HAR PT02 FSAR01 01.01 / 11.10-202 SpringMarket STD Add period to the end of the Note.							
HAR-099 HAR PT02 [FSAR01 O1.AA 5- SNC.LE ND-11-0291 (Selfores/Mach STD O1.19-17-11-0292 (Selfores/Mach STD O1.19-17-11-0292 (Selfores/Mach STD O1.19-17-11-0292 (Selfores/Mach STD O1.19-17-11-0292 (Selfores/Mach STD O1.19-17-11-0292 (Selfores/Mach STD O1.19-17-11-0292 (Selfores/Mach STD O1.19-17-11-0292 (Selfores/Mach STD O1.19-17-11-0292 (Selfores/Mach STD O1.19-17-11-0292 (Selfores) (Selfores							
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9250 STD PT02 FSAR91 O1AA 5. SNC19 ND.11-0261 Refer to the final response letter for the complete change) HAR-028 HAR PT02 FSAR91 O1AA RG 1.012 EditorialMatch STD Delete period after "Earthquake" to match Vogide. 1908-0-091 HAR PT02 FSAR91 O1AA RG 1.015 EditorialMatch STD Revise "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment" to "Redidentive-Waste-Confiamment to "Redidentiv			ĺ				
STD							5. COLA Part 2, FSAR Appendix 1AA, Conformance with Regulatory Guides, revised (retain the LMA of STD COL 1,9-1).
HAR-099 HAR PT02 FSAR01 01 AA RG 1.012 Ections/Match STD Revise *Radouche-Waste-Containment* to *Radouche-Waste-Containment* t				l			
HAR-109 HAR PT02 FSAR01 01.AA RG 1.026 Editoris/Match STO Revise "Radioactive-Waste-Centraling". HAR-100 HAR PT02 FSAR01 01.AA RG 1.045 Editoris/Match STO Revise "Radioactive-Waste-Centraling". HAR-101 HAR PT02 FSAR01 01.AA RG 1.045 Editoris/Match STO Revise "Radioactive-Waste-Centraling". HAR-102 HAR PT02 FSAR01 01.AA RG 1.052 Match STO Revise "Radioactive-Waste-Centraling". HAR-103 HAR PT02 FSAR01 01.AA RG 1.052 Match STO Revise "Radioactive-Waste-Central Injuh-Water-Coeled Nuclear Power Plants. COLA Part J. FSAR01 01.AA RG 1.052 Match STO Revise "Regulatory Guide 1.52, Rev. 3, 601 – Design, Inspection and Testing Criteria for Air Filtration and Adsorption Units of Post-Accident Engineered-S Feature Atmosphere Cleanup Systems in Light-Water-Coeled Nuclear Power Plants. COLA Part J. FSAR01 01.AA RG 1.052 Match STO Revise "Nat J. FSAR01 Nuclear Power Plants. COLA Part J. FSAR01 Nuclear Power Plants. COLA Part J. FSAR01 Nuclear Power Plants. COLA Part J. FSAR0 Chapter 1. Appendix 1.AA Regulatory Guide is as stated in the DCD. Conformance with Revision 3 of this Regulatory Guide Incommentation of the design spacets is documented below. To read: COLA Part J. FSAR01 Nuclear Regulatory Guide is as stated in the DCD. Conformance with Revision 3 of this Regulatory Guide Incommentation of the design spacets is as stated in the DCD. Conformance of the programmatic and/or operational spacets is documented below. **Conformance of the design spacets in as stated in the DCD. Conformance of the programmatic and/or operational spacets is documented below. **Conformance of the design spacets in as stated in the DCD. Conformance of the programmatic and/or operational spacets is as stated in the DCD. Conformance of the programmatic and/or operational spacets in a scated in the DCD. Conformance of the programmatic and/or operational spacets in a scated in the DCD. Conformance of the programmatic and/or operational spacets in a scated in the DCD. Conformance of the programmatic and/or operational spacets in a scated i	9260	STD	PT02	FSAR01	01.AA 5	SNC Ltr ND-11-0261	(Refer to the final response letter for the complete change)
HAR-109 HAR PT02 FSAR01 01.AA RG 1.026 Editoris/Match STO Revise "Radioactive-Waste-Centraling". HAR-100 HAR PT02 FSAR01 01.AA RG 1.045 Editoris/Match STO Revise "Radioactive-Waste-Centraling". HAR-101 HAR PT02 FSAR01 01.AA RG 1.045 Editoris/Match STO Revise "Radioactive-Waste-Centraling". HAR-102 HAR PT02 FSAR01 01.AA RG 1.052 Match STO Revise "Radioactive-Waste-Centraling". HAR-103 HAR PT02 FSAR01 01.AA RG 1.052 Match STO Revise "Radioactive-Waste-Central Injuh-Water-Coeled Nuclear Power Plants. COLA Part J. FSAR01 01.AA RG 1.052 Match STO Revise "Regulatory Guide 1.52, Rev. 3, 601 – Design, Inspection and Testing Criteria for Air Filtration and Adsorption Units of Post-Accident Engineered-S Feature Atmosphere Cleanup Systems in Light-Water-Coeled Nuclear Power Plants. COLA Part J. FSAR01 01.AA RG 1.052 Match STO Revise "Nat J. FSAR01 Nuclear Power Plants. COLA Part J. FSAR01 Nuclear Power Plants. COLA Part J. FSAR01 Nuclear Power Plants. COLA Part J. FSAR0 Chapter 1. Appendix 1.AA Regulatory Guide is as stated in the DCD. Conformance with Revision 3 of this Regulatory Guide Incommentation of the design spacets is documented below. To read: COLA Part J. FSAR01 Nuclear Regulatory Guide is as stated in the DCD. Conformance with Revision 3 of this Regulatory Guide Incommentation of the design spacets is as stated in the DCD. Conformance of the programmatic and/or operational spacets is documented below. **Conformance of the design spacets in as stated in the DCD. Conformance of the programmatic and/or operational spacets is documented below. **Conformance of the design spacets in as stated in the DCD. Conformance of the programmatic and/or operational spacets is as stated in the DCD. Conformance of the programmatic and/or operational spacets in a scated in the DCD. Conformance of the programmatic and/or operational spacets in a scated in the DCD. Conformance of the programmatic and/or operational spacets in a scated in the DCD. Conformance of the programmatic and/or operational spacets in a scated i							·
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HAR-100 HAR PT02 FSAR01 01-AA RG 1.081 EditorialMatch STD Revise Tealsage-Detection* to 1-eastage Detection* and add the word *Coolant* to match Vegite, Add entry for RC 15.2; Ragulatory Guide 1.52; Ragulat							
Add entry for RG 1.52. Regulatory Guide 1.52, Rev. 3, 801 - Design, haspection and Testing Criteria for Air Filtration and Adsorption Units of Post-Accident Engineered-S Feature Atmosphere Cleanup Systems in Light-Water-Cooled Nuclear Power Plants Conformance with the design and operational aspects is as stated in the DCD. Revies "NB-2545" to 'NB 2545" or 'NB 2545							
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HAR-102 HAR PT02 FSAR01 01.AA RG 1.085 Editorial/Match STD Revise "NB-2545" to "NB 2545" to "NB							Regulatory Guide 1.52, Rev. 3, 6/01 - Design, Inspection and Testing Criteria for Air Filtration and Adsorption Units of Post-Accident Engineered-Safety-
COLA Part 2, FSAR Chapter 1, Appendix 1AA, Regulatory Guide 1.82 is revised from: Conformance of the design aspects with Revision 2 of this Regulatory Guide is as stated in the DCD. Conformance with Revision 3 of this Regulatory Guide programmatic and/or operational aspects is documented below. To read: Conformance with design aspects is as stated in the DCD. Conformance with programmatic and/or operational aspects is documented below. To match Vogile revise from Conformance of the design aspects is as stated in the DCD. Conformance of the programmatic and/or operational aspects is documented below. General Exception Steam generator tube surveillance is in accordance with Nuclear Energy Institute (NEI) 97-06. This guidance has been endorsed by NRC as an acceptable program basis." to Conformance of the design aspects is as stated in the DCD. Conformance of the programmatic and/or operational aspects is documented below. HAR-103 HAR PT02 FSAR01 01.AA R0 1.083 Match STD NRC (74 FR 58324, 11/12/2009). Revise Tension 31° Tis Prevision 31° Tis Prevision 32° To match Vogile. Revise Tension 31° Tis Prevision 31° Tis Prevision 32° To match Vogile. Revise Tension 31° Tis Prevision 31° Tis Prevision 32° To match Vogile. Revise Tension 31° Tis Prevision 31° Tis Prevision 32° To match Vogile. Revise Tension 31° Tis Prevision 31° Tis Prevision 32° To match Vogile. Revise Tension 31° Tis Prevision 31° Tis Prevision 32° To match Vogile. Revise Tension 31° Tis Prevision 31° Tis Prevision 31° To match Vogile. Revise Tension 31° Tis Prevision 31° Tis Prevision 31° Tis Prevision 31° Tis Prevision 31° Tis Tis Prevision 31° Tis Tis Prevision 31° Tis Tis Tis Tis Tis Tis Tis Tis Tis Tis							
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Conformance of the design aspects is as stated in the DCD. Conformance of the programmatic and/or operational aspects is documented below. General Exception Steam generator tube surveillance is in accordance with Nuclear Energy Institute (NEI) 97-06. This guidance has been endorsed by NRC as an acceptable program basis.* to "Conformance of the design aspects is as stated in the DCD. The programmatic and/or operational aspects are not applicable since this guidance was with NRC (74 FR 58324, 11/12/209)." HAR-104 HAR PT02 FSAR01 01.AA RG 1.084 Match STD Revise "Revision 31" to "Revision 32" to match Vogite. HAR-105 HAR PT02 FSAR01 01.AA RG 1.092 Editorial/Match STD Revise "106" to "07/06" to match VEGP. HAR-106 HAR PT02 FSAR01 01.AA RG 1.115 Editorial/Match STD Revise "1/7" to "7/7" to "7/7" the "7/7" the "7/7" the "7/7" the "7/7" the "7/7" the "7/7" the "7/7" the "7/7" the "7/7" the "7/7" the "7/7" the "7/7" the "7/7" the "7/7" the "7/7" to "7/7" the "7/7" t	9085	STD	PT02	FSAR01	01.AA RG 1.082	DCD Rev 19	Conformance of the design aspects with Revision 2 of this Regulatory Guide is as stated in the DCD. Conformance with Revision 3 of this Regulatory Guide for programmatic and/or operational aspects is documented below. To read:
Energy Institute (NEI) 97-06. This guidance has been endorsed by NRC as an acceptable program basis." NRC as an acceptable program basis." NRC (74 FR 58324, 11/12/2009)."							*Conformance of the design aspects is as stated in the DCD. Conformance of the
HAR-103							Energy Institute (NEI) 97-06. This guidance has been endorsed by
HAR-103					1		"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
HAR-105 HAR PT02 FSAR01 01.AA RG 1.092 Editorial/Match STD Revise "7/06" to "07/06" to "07/06" to "07/06" to match VEGP. HAR-106 HAR PT02 FSAR01 01.AA RG 1.115 Editorial/Match STD Revise "1/77" to "7/17". HAR-107 HAR PT02 FSAR01 01.AA RG 1.124 Editorial/Match STD Revise "1/77" to "02/07". HAR-108 HAR PT02 FSAR01 01.AA RG 1.135 Editorial/Match STD Delete "General" and "Conforms" to match VEGP. HAR-109 HAR PT02 FSAR01 01.AA RG 1.147 Editorial/Match STD Revise "Rev. 14, 8/105" to "Rev. 15, 10/07" and revise "Revision 14" to "Revision 15" to match Vogtle HAR-110 HAR PT02 FSAR01 01.AA RG 1.149 Editorial/Match STD Revise "AVIANOS 3.5-1998." to "ANSI/ANS-3.5-1998." HAR-111 HAR PT02 FSAR01 01.AA RG 1.150 Editorial/Match STD Revised "2/83-Ultrasonic" to "2/83 - Ultrasonic" to match Vogtle. HAR-112 HAR PT02 FSAR01 01.AA RG 1.150 Editorial/Match STD Delete extra period after "plant." to match Vogtle. HAR-114 HAR PT02 FSAR01 01.AA RG 1.150 Editorial/Match STD Revise "Rev. 2". HAR-114 HAR PT02 FSAR01 01.AA RG 1.150 Editorial/Match STD Revise "Rev. 2". HAR-115 HAR PT02 FSAR01 01.AA RG 8.38 Separator line Add separator line after the end RG 8.38 before the Notes. Chapter 2 Chapter 2							NRC (74 FR 58324, 11/12/2009)."
HAR-106 HAR PT02 FSAR01 01,AA RG 1,115 Editorial/Match STD Revise "1/7" to "7/7". HAR-107 HAR PT02 FSAR01 01,AA RG 1,124 Editorial/Match STD Revise "2/07" to "02/07". HAR-108 HAR PT02 FSAR01 01,AA RG 1,135 Editorial/Match STD Delete "General" and "Conforms" to match VEGP. HAR-109 HAR PT02 FSAR01 01,AA RG 1,147 Editorial/Match STD Revise "Rev. 14, 8/05" to "Rev. 15, 10/07" and revise "Revision 14" to "Revision 15" to match Vogtle HAR-110 HAR PT02 FSAR01 01,AA RG 1,149 Editorial/Match STD Revise "Rev. 14, 8/05" to "Rev. 15, 10/07" and revise "Revision 15" to match Vogtle HAR-111 HAR PT02 FSAR01 01,AA RG 1,150 Editorial/Match STD Revise "Rev. 14, 8/05" to "Rev. 15, 10/07" and revise "Revision 15" to match Vogtle HAR-111 HAR PT02 FSAR01 01,AA RG 1,150 Editorial/Match STD Revise "ANSI/ANS 3,5-1998." HAR-112 HAR PT02 FSAR01 01,AA RG 1,150 Editorial/Match STD Delete extra period after "plant," to match Vogtle. HAR-114 HAR PT02 FSAR01 01,AA RG 1,180 Editorial/Match STD Revise "Conforms" to match Vogtle. HAR-114 HAR PT02 FSAR01 01,AA RG 4,15 Editorial/Match STD Revise "Conforms" to match Vogtle. HAR-115 HAR PT02 FSAR01 01,AA RG 8,38 Separator line Add separator line after the end RG 8,38 before the Notes. HAR-116 HAR PT02 FSAR01 01,AA RG 8,4 Editorial/Match STD Revise "ANSI N 13,5-1972" to delete extra space. Chapter 2							
HAR-107							
HAR-108							
HAR-109							
HAR-110							
HAR-111							
HAR-112							
HAR-113 HAR PT02 FSAR01 01.AA RG 1.180 Editorial/Match STD Revise "Conform" to "Conforms" to match Vogitle. HAR-114 HAR PT02 FSAR01 01.AA RG 4.15 Editorial/Match STD Revise "Rev.2" to "Rev. 2". HAR-115 HAR PT02 FSAR01 01.AA RG 8.38 Separator line Add separator line after the end RG 8.38 before the Notes. HAR-116 HAR PT02 FSAR01 01.AA RG 8.4 Editorial/Match STD Revise "ANSI N 13.5-1972 in second column of RG 8.4 to "ANSI N13.5-1972" to delete extra space. Chapter 2							
HAR-114 HAR PT02 FSAR01 01.AA RG 4.15 Editorial/Match STD Revise "Rev.2" to "Rev. 2". HAR-115 HAR PT02 FSAR01 01.AA RG 8.38 Separator line Add separator line after the end RG 8.38 before the Notes. HAR-116 HAR PT02 FSAR01 01.AA RG 8.4 Editorial/Match STD Revise "ANSI N 13.5-1972 in second column of RG 8.4 to "ANSI N13.5-1972" to delete extra space. Chapter 2		HAR					
HAR-115 HAR PT02 FSAR01 01.AA RG 8.38 Separator line Add separator line after the end RG 8.38 before the Notes. HAR-116 HAR PT02 FSAR01 01.AA RG 8.4 Editorial/Match STD Revise "ANSI N 13.5-1972 in second column of RG 8.4 to "ANSI N13.5-1972" to delete extra space. Chapter 2							Revise "Rev.2" to "Rev. 2".
HAR-116 HAR PT02 FSAR01 [01.AA RG 8.4 Editorial/Match STD Revise "ANSI N 13.5-1972 in second column of RG 8.4 to "ANSI N13.5-1972" to delete extra space. Chapter 2						Separator line	
	HAR-116	HAR	PT02	FSAR01	01.AA RG 8.4	Editorial/Match STD	
HAR-663 HAR PT02 FSAR02 02,0 (all) Editorial Miscellaneous editorial edits throughout Chapter 2.							
	HAR-663	HAR	IPT02	FSAR02	02,0 (all)	Editorial	Miscellaneous editorial edits throughout Chapter 2.

		T	I			
Change ID#	COLA	COLA	Chapter	Section	Basis for Change	Change Summary
Criange ID#	COLA	1 4/1	Citapter	Section	Dasis for Change	
						Editorial changes were made to the following references:
						2.1-201, 2.1-203, 2.1-204, 2.1-205, 2.1-206, 2.1-207, 2.1-210, 2.1-211, 2.1-212, 2.1-213, 2.1-214, 2.1-215, 2.1-216, 2.1-217, 2.1-218, 2.1-219, 2.1-221, 2.1-222, 2.1-
						223, 22-202, 22-203, 22-204, 22-205, 22-206, 22-207, 22-208, 22-209, 22-210, 22-211, 22-212, 22-213, 22-214, 22-215, 22-218, 22-218, 22-219, 22-220, 23-201, 23
		1			[2.3-202, 2.3-203, 2.3-204, 2.3-205, 2.3-206, 2.3-207, 2.3-208, 2.3-209, 2.3-210, 2.3-211, 2.3-212, 2.3-213, 2.3-214, 2.3-215, 2.3-217, 2.3-218, 2.3-219, 2.3-220, 2.3-212, 2.3-224, 2.3-225, 2.3-226, 2.3-228, 2.3-230, 2.3-231, 2.3-232, 2.3-234, 2.4-201, 2.4-202, 2.4-203, 2.4-204, 2.4-205, 2.4-206, 2.4-206, 2.4-208, 2.4-210, 2.4-208, 2.4-210, 2.4-208, 2.4-210, 2.4-208, 2.4-210, 2.4-208, 2.4-210, 2.4-208, 2.4-210, 2.4-208, 2.4-210, 2.4
		1				2.4-211, 2.4-212, 2.4-213, 2.4-214, 2.4-215, 2.4-216, 2.4-217, 2.4-218, 2.4-219, 2.4-220, 2.4-221, 2.4-222, 2.4-223,
					1	2.4-225, 2.4-226, 2.4-230, 2.4-234, 2.4-236, 2.4-238, 2.4-239, 2.4-242, 2.4-243, 2.4-244, 2.4-245, 2.4-247, 2.4-249, 2.4-250, 2.4-251, 2.4-252, 2.4-253, 2.4-254, 2.4-
						255, 2.4-257, 2.4-258, 2.4-261, 2.4-266, 2.4-270, 2.5.1-203, 2.5.1-205, 2.5.1-207, 2.5.1-208, 2.5.1-209, 2.5.1-210, 2.5.1-211, 2.5.1-212, 2.5.1-213, 2.5.1-214, 2.5.1-215, 2.5.1-216, 2.5.1-217,
				.		2.5.1-218, 2.5.1-219, 2.5.1-220,
						2.5.1-221, 2.5.1-222, 2.5.1-223, 2.5.1-224, 2.5.1-225, 2.5.1-226, 2.5.1-227, 2.5.1-228, 2.5.1-229, 2.5.1-230, 2.5.1-231, 2.5.1-231, 2.5.1-233, 2.5.1-233, 2.5.1-234, 2.5.1-234, 2.5.1-236, 2.5.1-235, 2
	l					2.5.1-237, 2.5.1-238, 2.5.1-239, 2.5.1-240, 2.5.1-242, 2.5.1-243, 2.5.1-244, 2.5.1-246, 2.5.1-247, 2.5.1-248, 2.5.1-253, 2.5.1-257, 2.5.1-259, 2.5.1-262, 2.5.1-263, 2.5.1-264, 2.5.1-268, 2.5.1-264, 2.5.1-265,
		1				2.5.1-269, 2.5.1-270, 2.5.1-273,
		i				2.5.1-274, 2.5.1-276, 2.5.1-278, 2.5.1-280, 2.5.1-281, 2.5.1-282, 2.5.1-283, 2.5.1-284, 2.5.1-285, 2.5.1-287, 2.5.1-288, 2.5.1-289, 2.5.1-290, 2.5.1-291, 2.5.1-292, 2.5.1-281, 2
						2.5.1-293, 2.5.1-294, 2.5.1-295, 2.5.1-296, 2.5.1-300, 2.5.1-301, 2.5.1-304, 2.5.1-305, 2.5.1-306, 2.5.1-307, 2.5.1-308, 2.5.1-310, 2.5.1-312, 2.5.1-314, 2.5.1-315, 2.5.1-316, 2.5.1-318, 2.5.1-319,
						2.5.1-320, 2.5.1-322, 2.5.1-323,
HAR-666	HAR	PT02	FSAR02	02.0 (all)	Editorial	2.5.1-324, 2.5.1-325, 2.5.1-326, 2.5.1-327, 2.5.1-330, 2.5.1-331, 2.5.1-332, 2.5.1-333, 2.5.1-337, 2.5.1-338, 2.5.1-340, 2.5.1-342, 2.5.1-343, 2.5.1-344, 2.5.1-346, 2.5.1-362, 2.5.1-363, 2.5.1-365,
TIAIX-000	IIAK	1-102	I GAROZ	02.0 (au)	NPD-NRC-2011-071, H-	2.0. 1902, 2.0. 1900, 2.0. 1900,
HAR-117	HAR	PT02	FSAR02	02 TOC	0646 response FSAR	
nak-117	I TAK	17102	rsaruz_	102,100	NPD-NRC-2011-071, H-	Table of Contents, List of Tables for Section 2.4 updated to include the new Table 2.4.3-239.
l .	l <u>-</u>				0646 response FSAR	
HAR-118	HAR	PT02	FSAR02	02 TOC	Item 7 Changes to make HAR	Table of Contents, List of Figures for Section 2.4 updated to include the new Figures 2.4.3-238 through 2.4.3-243.
]]	1			FSAR consistent with	
1		1			LNP FSAR re ambient temperatures as	·
	i	1			described in NPD-NRC-	
l	l				2011-056, L-0939	The HAR Site Maximum Normal dry bulb/coincident wet bulb temperature revised to read: 94°F dry bulb / 75°F coincident wet bulb (Charlotte). The HAR Site Minimum
HAR-120	HAR	P102	FSAR02	02.00.T / T2.0-201	response	Normal dry bulb temperature will be revised to read: 14°F dry bulb (Greensboro).
					Update for revised WEC	
HAR-802	HAR	PT02	FSAR02	02.00.T / T2.0-201	loads (Turbine, Radwaste & Annex Bldgs)	Under Limits of Acceptable Settlement Without Additional Evaluation, Differential Between Nuclear Island and Turbine Building and Differential between Nuclear Island and Other Buildings from < 1 inch (projected) to <2.0 inches projected.
13/11/4002	TOXIX	1 102	TOAROZ	02.00.17 12.0-201	errata - conformance to R	and Outer buildings from < 1 man (projected) to <2.0 mores projected.
HAR-121	HAR	PT02	FSAR02	02.01 02.01.01.F / F2.1.1-	COLA	For paragraph describing Subsection 2.1 departure, move the LMA STO DEP 1.1-1 to align with the first line of the paragraph
HAR-805	HAR		FSAR02	203	Update for GA	Update Figure 2.1.1-203 for current GA layout
HAR-807	HAR	PT02	FSAR02	02.01.02.03	Editorial	FSAR Subsection 2.1.2.3, last sentence change "2007" to "2009"
						FSAR Subsection 2.1.5, revise Reference 2.1-204 from:
	,					KLD Associates, Inc., "Harris Nuclear Plant Development of Evacuation Time Estimates," Final Report, KLD TR – 409v2, August 2007.
						To read:
HAR-809 HAR-803	HAR HAR		FSAR02 FSAR02	02.01.05 02.02.05	Editorial Correction	KLD Associates, Inc., "Harris Nuclear Plant Development of Evacuation Time Estimates," Final Report, KLD TR – 409, Rev 3, February 2009 Revised reference 2.2-201 to accurately reflect the reference document
	HAR		FSAR02	02.02.05	Correction	Revised reference 2.2-216 to accurately reflect the reference document and be consistent with other similar citations in same section.
						-
						The text of FSAR Section 2.3.1.2.7.3 changed from:
						·
						This DCD site parameter is represented by a single data pair consisting of a maximum dry bulb temperature of 101°F, excluding the highest 1 percent of values, in combination with a coincident (same hour) wet bulb temperature of 80.1°F. The Maximum Normal temperatures in Table 2.3.1-209 are well below the Maximum Normal
					Changes to make HAR	Official parameter of 101°F dry bulb/80.1°F coincident wet bulb with the highest observed values being 91°F dry bulb/75°F wet bulb (Raleigh-Durham).
					FSAR consistent with	ļ
					LNP FSAR re ambient temperatures as	to:
					described in NPD-NRC-	This DCD site parameter is represented by a single data pair consisting of a maximum dry bulb temperature of 101°F in combination with a coincident (same hour) wet
HAR-122	HAR	PT02	FSAR02	02.03.01.02.07.03	2011-056, L-0939 response	bulb temperature of 80.1°F. The Maximum Normal temperatures in Table 2.3.1-209, which are based on 0.4 percent annual exceedance temperatures, are well below the Maximum Normal DCD site parameter of 101°F dry bulb/80.1°F coincident wet bulb, with the highest observed values being 94°F dry bulb/75°F wet bulb (Charlotte).
					1	the management of the parameter of the control of t

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		COLA				
Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
Grange low	000	1	Citapiai	CCCUON	Dasis for Change	The text of FSAR Section 2.3.1.2.7.6 changed from:
	1					
l	İ					This DCD site parameter is represented by a minimum dry bulb temperature of -10°F, excluding the lowest 1 percent of values. The Minimum Normal temperatures in
1	1				Changes to make HAR	Table 2.3.1-209 are well above the DCD site parameter of -10°F dry bulb. The lowest Minimum Normal dry bulb temperature shown in the table is only 19°F (Greensboro).
	1				FSAR consistent with	(Gledisbury).
l	1				LNP FSAR re ambient	to:
	1				temperatures as	
	1				described in NPD-NRC- 2011-056, L-0939	This DCD site parameter is represented by a minimum dry bulb temperature of -10°F. The Minimum Normal temperatures in Table 2.3.1-209, which are based on 99.6-percent annual exceedance temperatures, are well above the DCD site parameter of -10°F dry bulb. The lowest Minimum Normal dry bulb temperature shown in the
HAR-123	HAR	PT02	FSAR02	02.03.01.02.07.06	response	percent annual exceedance temperatures, are well above the DCD site parameter of 10 7 dry builb. The lowest millimum normal dry builb temperature shown in the table is only 14°F (Greensboro).
					Changes to make HAR	
	l				FSAR consistent with	
					LNP FSAR re ambient temperatures as	FSAR Table 2.3.1-209 revised for consistency with the L-0939 response. The Maximum Normal temperatures will be revised from: 91, 74, 90, 74,91 and 75 to read:
		l			described in NPD-NRC-	94, 75, 93, 75, 93 and 76. The Minimum Normal temperatures will be revised from: 23, 14, 9, MA, 20 and NA to read: 19, 17, 14, 12, 16 and 14. The Notes will be
				02.03.01.T / T2.3.1-	2011-056, L-0939	revised to read: b) "Maximum Normal" temperatures are based on the 0.4-percent annual occurrence temperatures from a 24-year POR from Reference 2.3-217.
HAR-124	HAR	PT02	FSAR02	209	response	g) "Minimum Normal" temperatures are based on the 99.6-percent annual occurrence temperatures from a 24-year POR from Reference 2.3-217.
HAR-125	HAR	PT02	FSAR02	02.03.03	Consistency with DCD	Revise subheaders as follows: 2.3.3 Onsite Meterological Measurement Programs
, 0 11 - 12 U		102	, JANUE	02.03.03.F / F2.3.3-	Consistency with DCD	E. de d'unité motorologique motodificité l'églistis
HAR-806	HAR	PT02	FSAR02	201	Update for GA	Update Figure 2.3.3-201 for current GA layout
UAD 400		DTOC	FC 4 D00	00 00 00 00	0	Revise subheaders as follows:
HAR-126	HAR	PT02	FSAR02	02.03.06.03	Consistency with DCD errata - conformance to R	2.3.6.3 Onsite Meterological Measurements Program
HAR-127	HAR	PT02	FSAR02	02.04	COLA	For paragraph describing Subsection 2.4 departure, move the LMA STD DEP 1.1-1 to align with the first line of the paragraph
						Subsection 2.4.1.1, Site and Facilities, on page 2.4-4, the paragraph "The Main Dam currentlyand a pier at midlength" revised in its entirety to read as follows:
		1 1			NPD-NRC-2011-071,	The Main Dam currently includes a concrete spillway with an ogee-shaped crest on the west abutment to pass floods as the only flow component. The spillway is uncontrolled and has a crest net length of 15.2 m (50 ft.) with a pier at mid-length. The crest of the current spillway is at an elevation of 67.1 m (220 ft.) NGVD29. The
		1			H-0646 response FSAR	proposed spillway design for the Main Reservoir includes raising the crest of the existing spillway from elevation 67.1 m (220 ft.) NSVD29 to elevation 73.2 m (240 ft.)
HAR-128	HAR	PT02	FSAR02	02.04.01.01	Item 1.1	NGVD29 and providing an emergency spillway west of the existing spillway with a crest length of 172.2 m (565 ft.).
					401/404 enviromental	
HAR-129	HAR	PT02	FSAR02	02.04.01.01	permit consistency Item 10	P 2.4-3: Third paragraph indicates that the makeup water system will include an intake channel. The intake channel has been replaced with an intake structure and pipe.
1541125	10.00	1.102	1 07 11 102	02.07.01.01		Subsection 2.4.1.2.3 revised to read:
						Table 2.4.1-204 presents the mean monthly discharge (January 1924 through September 2004) for the Cape Fear River USGS gauging station 02102500 at Lillington,
						North Carolina (Reference 2.4-201). The average monthly discharge for the Cape Fear River at Lillington is 95.9 m3/s (3387 cts). March has the highest average monthly discharge of 182.4 m3/s (6441 cfs) and August has the lowest average monthly discharge of 55,8 m3/s (1970 cfs). A maximum
					NPD-NRC-2011-003.	Inclining discharge or 102.4 milbs (044 milbs) and August has the lowest average minimity discharge of 35.0 mb/s (1970 dbs). A maximum discharge of 35.0 mb/s (1970 dbs). A maximum discharge of 35.0 mb/s (1970 dbs). A maximum discharge of 35.0 mb/s (1970 dbs). A milbs (140,000 dbs) was recorded on September 19 John (140,000 dbs). The drainage area at the Cape Fear River at Lillington
HAR-130	HAR	PT02	FSAR02	02.04.01.02.03	H-0642 response	USGS station is 8971 km2 (3464 mi2) (Reference 2.4-271).
1					Consistency with NPD-	
HAR-812	HAR	PT02	FSAR02	02.04.T / T2.4.1-202	NRC-2011-003, H-0642 response	Revise source reference in FSAR Table 2.4.1-202 from "2.4-248" to "2.4-201"
11/2/12	TIAN	1102	1 SANOZ	02.04.17 12.4.1-202	Consistency with NPD-	National Studies Telephonics (III F SAN Table 2.4. 1-202 (IVIII 2.4-240 to 2.4-20)
					NRC-2011-003, H-0642	
HAR-813	HAR	PT02	FSAR02	02.04.T / T2.4.1-205	response	Revise source reference in FSAR Table 2.4.1-202 from "2.4-259" to "2.4-271"
				02.04.01.F / F2.4.1-	401/404 enviromental permit consistency Item	The figure shows the alignment of the U2/U3 blowdown pipeline alignment. The pipeline alignment has been revised. This was cancelled as the figure is showing the
HAR-131	HAR	PT02	FSAR02	202	11A	the right shows are asymment or new 2020 between pipeline anymment. The pipeline asymment has been revised. This was cancelled as the righter is showing the blowdown pipeline for the HNP site only (which was not changed).
					401/404 enviromental	
HAR-132	HAR	DTO	FSAR02	02.04.01.F / F2.4.1- 203	permit consistency Item 11B	The figure shows the alignment of the 127/12 blowdown and makeup cleaning alignment. There shows the alignment of the 127/12 blowdown and makeup cleaning alignment.
DAK-132	TIAK	7102	FSARUZ	02.04.01.F / F2.4.1-	401/404 enviromental	The figure shows the alignment of the U2/U3 blowdown and makeup pipeline alignment. These pipeline alignments have been revised.
HAR-659	HAR	PT02	FSAR02	205	permit consistency Item	The figure revised show site drainage map based on latest revisions of GA drawing, grading and drainage drawings and temporary construction facilities drawing.
			50.5	02.04.01.F / F2.4.1-	NPD-NRC-2011-003,	
HAR-133	HAR	P102	FSAR02	205	H-0650 response NPD-NRC-2011-003.	Figure 2.4.1-205 added as shown in Attachment 02.04.12-5B to NPD-NRC-2011-003.
HAR-134	HAR	PT02	FSAR02	02.04.02.01	H-0642 response	Subsection 2.4.2.1 will be revised . See NPD-NRC-2011-003 for details of text revision.
				02.04.02.01.T / T2.4.2-	NPD-NRC-2011-003,	
HAR-135	HAR	PT02	FSAR02	203	H-0642 response	Table 2.4.2-203 will be added to the FSAR. Table 2.4.2-203 is titled Yearly Peak Streamflow Measurements for Buckhom Creek, North Carolina
HAR-136	HAR	ртоз	FSAR02	02.04.02.01.T / T2.4.2- 204	NPD-NRC-2011-003, H-0642 response	Table 2.4.2-204 will be added to the FSAR. Table 2.4.2-204 is titled Yearly Peak Streamflow Measurements for Cape Fear River, North Carolina, at Lillington
11/n/-130	. 1/4//	102	JANUZ	207	NPD-NRC-2011-003.	Table 2.4.2.204 Will be added to the LOAK. Table 2.4.2.204 is used. Teatry Feak Streaminow measurements for Cape Feat River, North Carolina, at Lillington
					H-0643 response Item	
HAR-139	HAR	PT02	FSAR02	02.04.02.03	number 3	Subsection 2.4.2.3, "Effects of Local Intense Precipitation," will be revised as described in NPD-NRC-2011-003, response H-0643.
						Subsection 2.4.2.3 presented in response to NRC RAI 02.04.02-2 (H-0643 response in NPD-NRC-2011-003) is revised to insert the following paragraph before the last paragraph of the subsection.
					NPD-NRC-2011-003,	paragraph or use subsection. The storm drainage ditches, which carry normal storm water runoff from the site, are not considered in the PMP analysis. However, the local drainage system will be
HAR-140	HAR	PT02	FSAR02	02.04.02.03	H-0644 response	maintained to provide conveyance as designed throughout the operational life of the HAR units.
				00.04.00 5 / 50.4.5	NPD-NRC-2011-003,	
HAR-138	HAR	PTno		02.04.02.F / F2.4.2- 205	H-0643 response Item number 1	Figure 2.4.2-205 revised per Attachment 02.04.02-2A to NPD-NRC-2011-003.
11/417-130	11/717	1. 105	UMNUZ	200	IIIUIIIDEI I	II. INNIED Z. T. Z. T. V. TOVINGO INTERIL VZ. U4. VZ. Z. A. TO TIP DETAIN OF Z. V. T. T. V. V. T. V. V. T. V. V. V. V. V. V. V. V. V. V. V. V. V.

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1		COLA				
Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
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				02.04.02,F / F2,4,2-	401/404 enviromental	
HAR-660	HAR	PT02	FSAR02	205	permit consistency Item	The figure shows the Local PMP site drainage map. This figure revised as per the latest revision of Local PMP calculation, HAG-0000-X7C-044
7.0.0.0		1			NPD-NRC-2011-003.	
1				02.04.02.T / T2.4.2-	H-0643 response Item	
HAR-137	HAR	PT02	FSAR02	205	number 2	Table 2.4 .2-205 added to the FSAR. Table 2.4.2-205 is titled Zones A and B - Water Levels and Flow Velocities
					401/404 enviromental	Paragraph on page 2.4-3 indicates that the makeup water system will include an intake channel. The intake channel has been replaced with an intake structure and
HAR-661	HAR	PT02	FSAR02	02.04.03	permit consistency Item	pipe.
						Subsection 2.4.3, Probable Maximum Floods on Streams and Rivers, the paragraph *a. The crest of the uncontrolled ogee spillway Sub-basin X)* will be revised in its entirety to read as follows:
		ł				pe revised in its entirety to read as rollows: A. The crest elevation of the existing uncontrolled ogee spillway on the Main Dam is 67.1 m (220 ft.) NGVD29. It is proposed that this crest will be raised to
		1				a. The desired and an activity information upgets spinway will be provided with of the existing spilway. It is proposed that this clear was be raised to elevation 73.2 m (240 ft.) NGVD29. In addition an emergency spilway will be provided when of the existing spilway, the first step for determining the PMF is
		l			NPD-NRC-2011-071,	to delineate the sub-basins of the Buckhorn Creek drainage basin above the Main Dam. Considering these proposed modifications in the spillway of the
		i			H-0646 response FSAR	Main Dam, the drainage basin above the dam is 182.1 km2 (70.3 mi.2) (Figure 2.4.3-201), wherein the area inundated is 30.8 km2 (11.9 mi.2) or about 16 percent of
HAR-141	HAR	PT02	FSAR02	02.04.03	Item 1,2	the entire basin. The Buckhom Creek drainage basin above the Main Dam was divided into seven sub-basins (Sub-basin IV through Sub-basin X).
						FSAR Subsection 2.4.3.1.5 will be revised from:
		l				Using the PMP rainfall distribution shown on Figure 2.4.3-205, a design storm was developed.
I					NPD-NRC-2011-003,	To read:
HAR-142	HAR	PT02	FSAR02	02.04.03.01.05	H-0645 response	Using the PMP ra infall distribution tabulated in Table 2.4.3-216 and shown on Figure 2.4.3-205, a design storm was developed.
					NPD-NRC-2011-071, H-0646 response FSAR	
HAR-143	HAR	ртлэ	FSAR02	02.04.03.03.03	Item 1.3	Subsection 2.4.3.3.3, Basin Data, will be revised in its entirety to read as described in Attachment RAI 02.04.03-7-A in NPD-NRC-2011-071 (H-0646).
HAR-143	HAN	F 102	r SARUZ	02.04.03.03.03	Itterii 1.3	Subsection 2.4.3.3.4, Balckwater Analysis, on page 2.4-30, in the paragraph "PEC performedelevation file for the basin,", first two sentences "PEC
1					NPD-NRC-2011-071,	performedGIS point coverage.", will be revised to read as follows:
				•	H-0646 response FSAR	PEC performed detailed bathymetric surveys to establish the current geometry of the Main Reservoir. Figure 2.4.3-243 presents the plan view of the bathymetry
HAR-144	HAR	PT02	FSAR02	02.04.03.03.04	Item 1.4	contours in 5-ft. intervals for the Main Reservoir. The survey data were compiled into a single GIS point coverage.
					l	Subsection 2.4.3.3.4, Backwater Analysis, on page 2.4-31, the paragraph "Following the determination of portion of the Main Reservoir" will be revised
]					NPD-NRC-2011-071,	in its entirety to read as follows:
HAR-145	HAR	DTO2	FSAR02	02.04.03.03.04	H-0646 response FSAR Item 1.5	Following the determination of downstream channel characteristics, data describing hydraulic structures were incorporated. In this case, the hydraulic structures to be defined were the Main Dam spillway and the emergency spillway, which are located at the southwestern-most downstream portion of the Main Reservoir.
HAR-143	HAN	F 102	I SANUZ	02.04.03.03.04	item 1.5	Subsection 2.4.3.4.1, Probable Maximum Flood Flow from Drainage Basin above the Auxiliary Dam, will be revised in its entirety to read as follows:
					NPD-NRC-2011-071.	The PMP storm corresponding to the Auxiliary Reservoir drainage area of 7.8 km2 (3.0 mi.2), as shown in Figure 2.4.3-208, was used to estimate the PMF flow for the
						Auxiliary Reservoir. Figure 2.4.3-222 presents the PMF inflow and outflow hydrographs for the Auxiliary Reservoir. The peak inflow and outflow for the Auxiliary
HAR-146	HAR	PT02	FSAR02	02.04.03.04.01	Item 1.6	Reservoir are 197.1 m3/s (6962 cfs) and 177.3 m3/s (6261 cfs), respectively.
					NPD-NRC-2011-071,	Subsection 2.4.3.4.2, Probable Maximum Flood Flow from Drainage Basin above the Main Dam, on page 2.4.33, last sentence 'The peak flow and outflow,
l I			F0 + D00		H-0646 response FSAR	respectively," will be revised to read as follows:
HAR-147	HAR	P102	FSAR02	02.04.03.04.02	Rem 1.7 NPD-NRC-2011-071,	The peak inflow and outflow for the Main Reservoir are 3545.0 m3/s (125190.5 cfs) and 1410.4 m3/s (49807.1 cfs), respectively.
		1			H-0646 response FSAR	
HAR-148	HAR	PT02	FSAR02	02.04.03.05	Item 1.8	Subsection 2.4.3.5, Water Level Determinations, revised in its entirety to read as described in Attachment RAI 02.04.03-7-A to NPD-NRC-2011-071 (H-0646).
		T			NPD-NRC-2011-071,	The state of the s
1						New Subsection 2.4.3.7, Erosion Protection for Emergency Spillway and Downstream Channel, inserted after Subsection 2.4.3.6.8 as described in Attachment RAI
HAR-149	HAR	PT02	FSAR02	02.04.03.07	Item 1.9	02.04.03-7-A to NPD-NRC-2011-071 (H-0646).
				02.04.03.F / F2.4.3-	NPD-NRC-2011-003,	
HAR-155	HAR	PT02	FSAR02	205	H-0645 response	Figure 2.4.3-205 added as shown in Attachment 02.04.03-6A to NPD-NRC-2011-003.
HAR-156	HAR	DT02	FSAR02	02.04.03.F / F2.4.3- 206	NPD-NRC-2011-003, H-0645 response	Figure 2.4.2.206 added as shown in Attachment 02.04.02.5C to NIDO NIDC 2014.002
F1AR-136	HAR	102	FSARUZ	02.04.03.F / F2.4.3-	NPD-NRC-2011-003,	Figure 2.4.3-206 added as shown in Attachment 02.04.03-6C to NPD-NRC-2011-003.
HAR-157	HAR	PT02	FSAR02	207	H-0645 response	Figure 2.4.3-207 added as shown in Attachment 02.04.03-6D to NPD-NRC-2011-003.
111111111111111111111111111111111111111				02.04.03.F / F2.4.3-	NPD-NRC-2011-003,	
HAR-158	HAR	PT02	FSAR02	208	H-0645 response	Figure 2.4.3-208 added as shown in Attachment 02.04.03-6E to NPD-NRC-2011-003.
				02.04.03.F / F2.4.3-	NPD-NRC-2011-003,	
HAR-159	HAR	PT02	FSAR02	209	H-0645 response	Figure 2.4.3-209 added as shown in Attachment 02.04.03-6F to NPD-NRC-2011-003.
l l				02.04.03.F / F2.4.3-	NPD-NRC-2011-003,	
HAR-160	HAR	PT02	FSAR02	210	H-0645 response	Figure 2.4.3-210 added as shown in Attachment 02.04.03-6G to NPD-NRC-2011-003.
HAR-169	HAR	PT02	FSAR02	02.04.03.F / F2.4.3- 211	NPD-NRC-2011-003, H-0645 response	Figure 2.4.3-211 added as shown in Attachment 02.04.03-6H to NPD-NRC-2011-003.
UVIC-109	HAR	102	I GARUZ	Z11	NPD-NRC-2011-071.	Tiguis 2.4.5-2.11 adust as shown in Austrinstit 02.04.05-01 to 14FD-14RC-2011-005.
				02,04,03,F / F2,4,3-	H-0646 response FSAR	Figures 2.4.3-218 and 2.4.3-219 replaced by the revised Figures 2.4.3-218 and 2.4.3-219 provided in Attachment RAI 02.04.03-7-C in NPD-NRC-2011-071 response to
HAR-170	HAR .	PT02	FSAR02	218 & 2.4.3-219	Item 4	NRC RAI 02.04.03-7 (H-0646)
					NPD-NRC-2011-071,	
				02.04.03.F / F2.4.3-	H-0646 response FSAR	Figures 2.4.3-221 through 2.4.3-229 replaced by the revised Figures 2.4.3-221 through 2.4.3-229 provided in Attachment RAI 02.04.03-7-C in NPD-NRC-2011-071
HAR-171	HAR	PT02	FSAR02	221 through 2.4.3-229	Item 4	response to NRC RAI 02.04.03-7 (H-0646).
				00 04 00 5 (50 4 0	NPD-NRC-2011-071,	
HAR-172	HAR	DTOS	FSAR02	02.04.03.F / F2.4.3- 238 through 2.4.3-243	H-0646 response FSAR Item 5	New Forms 2 4 2 229 through 2 4 2 242 incoded as shous in Attachment PALO2 N4 92 7 C in NID NID 2044 974 process to NID DALO2 A 2 2 4 2 2 4 2 4 2 4 2 4 2 4 2 4 2 4
MAK-172	FIAR	P UZ	FSAKUZ	236 through 2.4.3-243	Item 5	New Figures 2.4.3-238 through 2.4.3-243 inserted as shown in Attachment RAI 02.04.03-7-C in NPD-NRC-2011-071 response to NRC RAI 02.04.03-7 (H-0646).

		_		<u> </u>	1	
		COLA				
Change ID#	COLA	Part	Chapter	Section	Basis for Change	Change Summary
				02.04.03.T / T2.4.3-	NPD-NRC-2011-003,	
HAR-150	HAR	PT02	FSAR02	216	H-0645 response	Table 2.4.3-216 replaced by RAI 02.04.03-6 Table 1 provided in NPD-NRC-2011-003 response to NRC RAI 02.04.03-6 (H-0645).
HAR-151	HAR	ртоз	FSAR02	02.04.03.T / T2.4.3- 217	NPD-NRC-2011-003, H-0645 response	Table 2.4.3-217 replaced by the revised Table 2.4.3-217 provided in NPD-NRC-2011-003 response to NRC RAI 02.04.03-6 (H-0645),
INAK-131	IIAK	17102	FOARUZ	211	NPD-NRC-2011-071,	Table 2.4.3-217 replaced by the revised Table 2.4.3-217 plovided in NPD-NRC-2011-003 response to NRC RAI 02.04.03-6 (R-0043).
				02.04.03.T / T2.4.3-	H-0646 response FSAR	Tables 2.4.3-226 and 2.4.3-227 replaced by the revised Tables 2.4.3-226 and 2.4.3-227 provided in Attachment RAI 02.04.03-7-B in NPD-NRC-2011-071 response to
HAR-152	HAR	PT02	FSAR02	226 & 2.4.3-227	Item 2	NRC RAI 02.04.03-7 (H-0646).
					NPD-NRC-2011-071,	
	ĺ			02.04.03.T / T2.4.3-	H-0646 response FSAR	Tables 2.4.3-235 through 2.4.3-238 replaced by the revised Tables 2.4.3-235 through 2.4.3-238 provided in Attachment RAI 02.04.03-7-B in NPD-NRC-2011-071
HAR-153	HAR	PT02	FSAR02	235 through 2,4.3-238	Item 2	response to NRC RAI 02.04.03-7 (H-0646).
					NPD-NRC-2011-071,	
HAR-154	HAR	DT02	FSAR02	02.04.03.T / T2.4.3- 239	H-0646 response FSAR Item 3	New Table 2.4.3-239 inserted as shown in Attachment RAI 02.04.03-7-B in NPD-NRC-2011-071 response to NRC RAI 02.04.03-7 (H-0646),
HAR-134	DAK	15102	[]SARUZ	235	NPD-NRC-2011-003, H-	Thew Table 2.4.3-239 inserted as shown in Attachment RALO2.04.03-7-8 in NPD-INRC-2011-07 (Tesponse to NRC RALO2.04.03-7 (R-0040).
HAR-173	HAR	PT02	FSAR02	02.04.05.04	0648 response	FSAR Subsection 2.4.5.4 revised as described in NPD-NRC-2011-003 response to NRC RAI 02.04.05-1 (H-0648).
,,,,		1 1 1 1		02.04.05.T / T2.4.5-	NPD-NRC-2011-003, H-	A new Table 2.4.5-206 added as shown in response to NRC RAI 02.04.05-1 (NPD-NRC-2011-003 response H-0648). Table 2.4.5-206 is titled "Oscillation Resonance
HAR-174	HAR	PT02	FSAR02	206	0648 response	Modes in the Main and Auxiliary Reservoirs".
				02.04.05.T / T2.4.5-	NPD-NRC-2011-003, H-	A new Table 2.4.5-207 added as shown in response to NRC RAI 02.04.05-1 (NPD-NRC-2011-003 response H-0648). Table 2.4.5-207 is titled "Wave Amplification due
HAR-175	HAR	PT02	FSAR02	207	0648 response	to Resonance for the Main and Auxiliary Reservoirs".
		Ì				Subsection 2.4.6 revised to add the following text to the end of Subsection 2.4.6:
						The potential for a slope failure into the Main or Auxiliary Reservoirs causing a tsunami-like wave is negligible based on the extensive site specific investigations
			l		NPD-NRC-2011-003, H-	associated with topography, geology, seismicity, and groundwater (Subsections 2.5.0.1.2, 2.5.1, 2.5.2, 2.5.4.1, 2.5.3, 2.5.0.3, 2.5.3.6, and 2.4.12.1). In addition, the
HAR-176	HAR	PT02	FSAR02	02.04.06	0649 response	current landuse is not conducive to landstide activity (Subsection 2.4.3.2) and no observed or recorded land slippage of any kind has occurred along the shore of either the Main or Auxiliary Reservoirs since the reservoirs were filled in late 1980.
	HAR		FSAR02	02.04.12.05	Editorial	ule main of Admay Reservoirs since use reservoirs were intended to the control of
12.11.0.1		1	7 07 11 10 2		Lattorial	Subsection 2.4.13.1.1 revised to read:
						Radionuclide concentrations are reduced during transport through the saturated regolith by adsorption, dispersion, and radioactive decay. In addition, hold-up and
						dilution occurs in the Main Reservoir with its storage capacity of 2.2 x 108 m3 (177,563 ac-ft) at the nominal 73.2-m (240-ft.) water elevation. Flow from the Cape Fear
				1 .		River further dilutes the nuclide concentrations for surface water use at Lillington. Average monthly Cape Fear River flow above Lillington is 95.9 m Is (3387 cts) (Table
		l	l		NPD-NRC-2011-003,	2.4 .1-204) (Reference 2.4-271). The minimum downstream release from the Main Dam is expected to be 0.57 m3/s (20 cfs). Average annual flow in the Thomas Creek
HAR-177	HAR	PT02	FSAR02	02.04,13,01,01	H-0642 response	branch of the Main Reservoir is greater than 0.057 m3/s (2 cfs).
		l	1	Ì		Subsection 2.4.16 revised as follows: - Reference RAI 02.04.02-101 will be added as FSAR Reference 2.4-271.
1					NPD-NRC-2011-003,	- Reterience A.0 2.04.02-101 will be added as FOAK Reterence 2.4-271 FSAR Reference 2.4-201 will be revised to show an accessed date of December 2010.
HAR-178	HAR	PT02	FSAR02	02.04.16	H-0642 response	- References 2.4-248 and 2.4-259 are "Not Used" and need to be removed.
		1 1 1 2			NPD-NRC-2011-003,	No. (1. (1. (1. (1. (1. (1. (1. (1. (1. (1
					H-0643 response Item	Subsection 2.4.16, "References," revised to add:
HAR-179	HAR	PT02	FSAR02	02.04.16	number 4	2.4-275: U.S. Army Corps of Engineers (USACE), Hydrologic Engineering Center, "HECRAS River Analysis System," Version 3.1.3, May 2005.
						Subsection 2.4.16, "References," revised to add References RAI 02.04.05-1 01 , RAI 02.04.05-1 02, and RAI 02.04.05-1 03 (from NPD-NRC-2011-003 response to
						NRC RAI 02.04.05-1 (H-0648) as follows:
					NPD-NRC-2011-003.	• RAI 02.04.05-1 01 (FSAR 2.5-272), Young, H.D., Freedman, R.A., and Sears, FW. (2007), University Physics, 12th Edition • RAI 02.04.05-1 02 (FSAR 2.5-273), Rueda, F. J., and Schladow, S. G. (2002), Surface Seiche in Lakes of Complex Geometry, Limnol, Oceanogr, 47(3) 906-910
HAR-180	HAR	PT02	FSAR02	02.04.16	H-0648 response	RAI 02.04.05-1 03 (FSAR 2.5-274), Seiche (2003), McGraw-Hill Encyclopedia of Science & Technology, 9" Edition, The McGraw-Hill Companies, Inc.
	.,,	1			NPD-NRC-2011-071,	Subsection 2.4.16. "References," revised to add:
		1			H-0646 response FSAR	2.4-276: U.S. Department of Interior, Bureau of Reclamation, Design Standard No. 14, Appurtenants Structures for Dams (Spillway and Outlet Works) Design
HAR-181	HAR	PT02	FSAR02	02.04.16	Item 1.10	Standard DS-14(1)-2, Draft: Phase 3, March 2010.
						Revise 2nd paragraph to read:
					l., , , , ,	The subgrades and foundations of structures adjacent to the nuclear islands will be constructed to account for differential settlement with the nuclear islands. For
					Update for revised WEC	adjacent structures founded on rock or concrete fill over rock, the differential settlements with the nuclear islands are not expected to exceed 13 mm (0.5 in.). For
HAR-182	HAR	PT02	FSAR02	02.05.04.10.03.04	loads (Turbine, Radwaste & Annex Bldgs)	adjacent structures founded on granular fill over rock, the differential settlements with the nuclear islands are not expected to exceed 38 mm (1.5 in.). These differential settlements are within the acceptable range for the AP1000 under both HAR 2 and HAR 3.
	HAR		FSAR02	02.05.04.10.03.04	Update-Editorial	settlements are writin tine acceptable range for tine APT-000U under both HAR 2 and HAR 3. Change LMA from LNP COL 2.5-17 to HAR COL 2.5-17.
		1.152	JANUE	02.03.00.17	opanio-Lunional	Griange Liwar hori EAP - Ce 2,3-17 to Phys Cet 2,3-17. FSAR Subsection 2.5.7 revise Reference 2.5.1-292 from:
				ļ		Behrendt, J.C., R.M. Hamilton, H.D. Ackermann, V.H. Henry, and K.C. Bayer, "Marine Multichannel Seismic-Reflection Evidence for Cenozoic Faulting and Deep
						Crustal Structure near Charleston, South Carolina, in G.S. Gohn, ed., "Studies Related to the Charleston, South Carolina, Earthquake of 1886; Tectonics and
						Seismicity,* U.S. Geological Survey Professional Paper 1313-J, pp. J1 – J29,1983.
						To read:
						House C.W. P.M. Demileon, P.D. Heteber Ir. J.D. Vouebe "Detailed Conlegie New of Time City Control of Devillage Towards and Time City Control of Control o
]						Howard, C.W., P.M. Derryberry, R.D. Hatcher Jr., J.D. Vaughn, "Detailed Geologic Maps of Two Sites South of Dandridge, Tennessee, Record Evidence of Polyphase Paleoseismic Activity in the East Tennessee Seismic Zone," Geological Society of America, Southeastern Section - 60th Annual Meeting (23-25 March 2011), Paper
HAR-810	HAR	PT02	FSAR02	02.05.07	Editorial	Parecesismic Activity in the East Tennessee Seismic Zone, Geological Society of America, Southerstein Section - both Annual Meeting (23-25 March 2011), Paper No. 16-1. Website, gas, confex.com/gas/2011SE/finalprogram/abstract_185732.htm, accessed February 1, 2012.
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		COLA	İ			
Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
					·	FSAR Subsection 2.5.7 revise Reference 2.5.1-392 from:
						Hatcher, R.D., S.F. Obermeier, J.D. Vaughn, H.H. Mills, S.C. Whisner, C.W. Howard, "Evidence for a Lengthy Late-Quaternary Earthquake History in the East
						Tennessee Seismic Zone, Tennessee, Georgia, Alabama, abstract, 2010 Geological Society of America (GSA) Deriver Annual Meeting, Paper No. 89-8, GSA
						Abstracts with Programs, Vol. 42, No. 5, p. 218, 2010.
						T
						To read:
ı						Hatcher, R.D., S.F. Obermeier, J.D. Vaughn, H.H. Mills, S.C. Whisner, C.W. Howard, "Evidence for a Lengthy Late-Quatermary Earthquake History in the East
l	l <u>-</u>				L	Tennessee Seismic Zone, Tennessee, Georgia, Alabama," 2010 GSA Denver Annual Meeting (31 October - 3 November 2010), Paper No. 89-8, Geological Society of
HAR-808	HAR	PT02	FSAR02	02.05.07	Editorial	America Abstracts with Programs, Vol. 42, No. 5, p. 218, Website, gsa.confex.com/gsa/2010AM/finalprogram/abstract_181638.htm, accessed February 11, 2011
Chapter 3	1	<u> </u>	l			
					l	Editorial changes were made to the following references:
						Substantian 2.5.5 major Defenses 200 fema
						Subsection 3.5.5, revise Reference 202 from:
				1	İ	"Department of Energy Standard DOE-STD-3014-96, "Accident Analysis Into Hazardous Facilities", October 1996."
	1		İ			I
	ŀ					To read:
	1					"Department of Energy Standard DOE-STD-3014-96, "Accident Analysis for Aircraft Crash Into Hazardous Facilities", October 1996."
HAR-667	HAR		FSAR03	03.0 (all)	Editorial	
HAR 184	HAR	PT02	FSAR03	03.02.01	Separator Line errata - conformance with	Section 3.2.1 – insert horizontal separator line above Section 3.2.1 title. Change the table number for Seismic Classification of Building Structures from 3.2-2R to 3.2-201 (in text and TOC) to match R-COLA. Change the table number for
HAR-185	HAR	PT02	FSAR03	03.02.T / T3.2-2R	errata - conformance with	Unlarge the table number for Seismic Classification of building Structures from 3.2-241 to 3.2-201 (in text and TOU) to match R-COLA. Change the table number for [AP1000 Classification of Mechanical and Fluid Systems, Components, and Equipment from 3.2-201 to 3.2-202 (in text and TOC) to match R-COLA.
	Ì	1			еггаtа - conformance with	Table 3.2-2R - Delete information with DCD LMA from this table. (Vogtle table only includes VEGP SUP info.) Also, add reference to Note 1 in the table. (Note 1 is
HAR-186	HAR	PT02	FSAR03	03.02.T / T3.2-2R	R-COLA	not on the Vogtle table.)
HAR-187	HAR	P102	FSAR03	03.03.01.01	Separator Line errata - conformance with	Section 3.3.1.1 – insert horizontal separator line above Section 3.3.1.1 title.
HAR-188	HAR	PT02	FSAR03	03.03.03	R-COLA	Add "within the applicant's scope" after "failure of structures and components" in the first sentence of this section.
HAR-189	HAR		FSAR03	03.03.03	Editorial	Subsection 3.3.3, last paragraph, add Subsection 3.5.1.3 to the list of subsections referenced.
HAR-190 HAR-191	HAR HAR		FSAR03 FSAR03	03.04.01.03 03.05.01.03	Separator Line	Section 3.4.1.3 – insert horizontal separator line above Section 3.4.1.3 title.
HAR-191	ITAK	P102	FSARUS	03.05.01.03	Separator Line	Section 3.5.1.3 - insert horizontal separator line above Section 3.5.1.3 title.
HAR-192	HAR	PT02	FSAR03	03.05.01.03	R-COLA	Revise the first LMA STD SUP 3.5-2 to STD SUP 3.5-1.
						COLA Part 2, FSAR Chapter 3, Subsection 3.5.1.3 revised To read:
9314	STD	PT02	FSAR03	03.05.01.03	DCD R18	In addition, the shield building and auxiliary building walls, roofs, and floors, provide further conservative, inherent protection of the safety-related SSCs from a turbine missile.
HAR-193	HAR		FSAR03	03.05.01.03	Editorial/Match STD	Revise to add spaces such that the third sentence of Subsection 3.5.1.3 reads "unfavorable orientation P2 x P3 conservative".
HAR-194	HAR	PT02	FSAR03	03.05.04	Editorial	Subsection 3.5.4, last paragraph, add Subsection 3.5.1.3 to the list of subsections referenced.
HAR-195	HAR	PT02	FSAR03	03,05,05	Separator Line	Add a separator line after 3.5.5 title.
						Subsection 3.5.5, add the following statement before the references:
HAR-196	HAR	DTOO	EC 4 D02	03,05,05	E dia adal	Table to the second of the second of POD Colored to 2.5 Fill
HAR-197	HAR		FSAR03 FSAR03	03.06.04.01	Editorial Separator Line	"Add the following information at the end of DCD Subsection 3.5.5:" Section 3.6.4.1 – insert horizontal separator line above Section 3.6.4.1 title.
	1000	1 102	1 0) 11 100		errata - conformance with	Control of the Management of the Control of the Con
HAR-198	HAR	PT02	FSAR03	03.06.04.01	R-COLA	Section 3.6.4.1, second paragraph of STD COL 3.6-1: Delete "s" from "hazards" in the first sentence for consistency with VEGP.
						1. COLA Part 2, FSAR Chapter 3, Subsection 3.7.4.4, revised to read:
		i				<u></u>
				i		HAR COL 3.7-2 Post-earthquake operating procedures utilize the guidance of EPRI Reports NP-5930, TR-100082, and NP-6695, as modified and endorsed by the NRC in Regulatory Guides 1.166 and 1.167. A response spectrum check up to 10Hz and the cumulative absolute velocity will be calculated based on the recorded
						motions at the free field instrument. If the operating basis earthquake ground motion is exceeded or significant plant damage occurs, the plant must be shutdown in an
		,			VEGP-VOL-CH03	orderly manner.
					Seismic Instrumentation	STD COL 3.7.2 In addition the amendment of the annual relationship in the second state of the second state
1					Information response to COL-03.07-002 item 1	STD COL 3.7-2 In addition, the procedures address measurement of the post-seismic event gaps between the new fuel rack and walls of the new fuel storage pit, between the individual spent fuel racks, and from the spent fuel racks to the spent fuel pool walls, and provide for appropriate corrective actions to be taken if needed
8015	STD	PT02	FSAR03	03.07.04.04	SNC Ltr ND-10-2001	Souch as repositioning the racks or analysis of the as-found condition).
					VEGP-VOL-CH03	
1					Seismic Instrumentation Information response to	2. COLA Part 2, FSAR Chapter 3, Subsection 3.7.5.2, revised to read:
1		1			COL-03.07-002 item 2	HAR COL 3.7-2 This COL Item is addressed in Subsection 3.7.4.4.
8016	STD			03.07.05.02	SNC Ltr ND-10-2001	STD COL 3.7-2
HAR-200 HAR-201	HAR			03.07.05.04	Editorial/Match STD	Revise Subsection heading to "Reconciliation of Seismic Analyses of Nuclear Island Structures" and update Table of Contents.
HAR-201	HAR HAR	PT02	FSAR03 FSAR03	03.08.05.07 03.08.06.05	Separator Line Separator Line	Insert separator line after 3.8.5.7 title.
HAR-203	HAR		FSAR03	03.09.03.01.02	Separator Line	Insert separation in the alies 3.00.0 title.
HAR-205	HAR	PT02	FSAR03	03.09.03.04.04	Separator Line	Section 3.9.3.4.4 - delete horizontal separator line between Section 3.9.3.4.4 introductory statement and subheading 'a. Snubber Design and Testing'.
HAR-204	HAR	ртоз	FSAR03	03 00 03 04 04 - 3	Editorial/Match STD	Add commas in the last sentence of the first paragraph such that it reads " ASME Section III Subsection NF, and other applicable codes, standards, and
⊓AR-204	HAK	IL 105	FOAKU3	03.09.03.04.04.a.2	Editorial/Match STD	requirements, are as"

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1						
Ch 104		COLA			D	Character Communication Commun
Change ID#			Chapter	Section	Basis for Change	Change Summary
HAR-206	HAR		FSAR03	03.09.03.04.04.c	Editorial/Match STD	Revise "pre-service" to read "preservice" 3 times
HAR-207	HAR		FSAR03	03.09.03.04.04.c	Editorial/Match STD	In the third paragraph following the numbered list revise "ISTD-5120" to "ISTD 5120" to match VEGP.
HAR-208	HAR		FSAR03	03.09.03.04.04.d	Editorial/Match STD	In the first paragraph of Subsection 3.9.3.4.4.d spell out percent (two instances) such that the text reads " attaining 5 percent reactor power"
HAR-209	HAR	PT02	FSAR03	03.09.03.04.04.d	Editorial/Match STD	Change "with" to "within" in the first paragraph to read "and is completed within 12 calendar months after"
						In the third paragraph of Subsection 3.9.3.4.4.d revise the second sentence to read " the snubber in the as-found condition, to the extent practical, either in-place or
HAR-210	HAR		FSAR03	03.09.03.04.04.d	Editorial/Match STD	on a test bench, to verify"
HAR-211	HAR	PT02	FSAR03	03.09.03.04.04.d	Editorial/Match STD	In forth paragraph, move "each fuel cycle" in first sentence to the end of the sentence.
HAR-212	HAR	PT02	FSAR03	03.09.06	Editorial/Match STD	Revise the first sentence to make the comma black text.
		1			errata - conformance with	Section 3.9.6 - Editorial or consistency: Delete "the" from the second line of the introductory sentence such that it reads " and add information between the third
HAR-213	HAR	PT02	FSAR03	03.09.06	R-COLA	and fourth*
HAR-214	HAR		FSAR03	03,09,06,02,02	Editorial/Match STD	In the first sentence of the second paragraph of Subsection 3.9.6.2.2, delete "(PST)".
		1				The state of the control of the state of the
HAR-215	HAR	PT02	FSAR03	03.09.06.02.02	Editorial/Match STD	Revise the eighth paragraph such that it reads "Insert new second sentence of the paragraph containing the subheading "Power-Operated Valve Operability Tests".
1000210	-	1,102	T OZITOS	00:00:00:02:02	Editorias inatori o 1 B	Revise the fifth sentence of the 15th paragraph with the heading "Active MOV Test Frequency Determination" to review the second instance of "the" and "Code," such
HAR-216	HAR	ртоз	FSAR03	03,09,06,02,02	Editorial/Match STD	that is reads "The initial inservice test frequency is determined as required by ASME OM Code Case OMN-1, Revision 1 (Reference 202)."
11/1/1-2 10	חאת	FIUZ	FOARUS	03,09,00,02,02	Editorial Match 31D	utatis reads The initial inservice test requercy is determined as required by ASME OM Code Case OMIN-1; revision 1 (Reference 202).
UAD 047				l		
HAR-217	HAR .	PT02	FSAR03	03.09.06.02.02	Editorial/Match STD	Revise the 15th paragraph to read "Appropriate justification is provided for any increased test interval, and the maximum test interval shall not exceed 10 years"
HAR-218	HAR		FSAR03	03.09.06.02.02	Editorial/Match STD	In paragraph beginning with "Additional testing is performed as part of the" change "indentified" to identified" in the first sentence.
HAR-219	HAR	PT02	FSAR03	03.09.06.02.02	Editorial/Match STD	In third bullet beginning with "Periodic static testing is performed,", remove the comma after the first "required" in the last sentence
I	1	1	Ι.	1		In first paragraph after the bulleted list, add a "-" in "PowerOperated" such that is read "Power-Operated" and in the following paragraph revise to add an "a" to item (ii)
HAR-220	HAR	PT02	FSAR03	03,09,06,02,02	Editorial/Match STD	before "margin for degradation," to match Vogtle.
HAR-221	HAR		FSAR03	03.09.06.02.02	Editorial/Match STD	In the fifth paragraph after the bulleted list, revise sentence to add colon at the end.
HAR-222	HAR	PT02	FSAR03	03.09.06.02.02	Editorial/Match STD	In the seventh paragraph after the bulleted list, revise sentence to add colon at the end.
						In the last paragraph of Subsection 3.9.6.2.2 delete the first instance of "the" and revise "incorporate" to "incorporates" such that the paragraph reads:
		ŀ				"Industry and regulatory guidance is considered in development of IST program for squib valves. In addition, the IST program for squib valves incorporates lessons
HAR-223	HAR	PT02	FSAR03	03.09.06.02.02	Editorial/Match STD	learned from the design and qualification"
	12.11	1 1 1 2 2				
1			i		!	Revise the 4th insertion statement to remove the entire inserted restatement of DCD material:
li .			1		Unnecessary duplication	"Power-Operated Valve Operability Tests - The safety-related, power-operated valves (POVs) are required by the procurement specifications to have the capabilities to
9302	STD	PT02	FSAR03	03.09.06.02.02	of DCD text	perform diagnostic testing to verify the capability of the valves to perform their design basis safety functions."
HAR-224	HAR			03.09.06.02.03	LMA Placement	Revise LMA placement to be adjacent to "During the disassembly"
	HAR		FSAR03	03.09.06.03	Editorial/Match STD	In the second paragraph of Subsection 3.9.6.3, delete the comma before "in lieu of" such that it reads "motor operated valves in lieu of".
HAR-226	HAR		FSAR03	03.09.06.03	Editorial/Match STD	in the accord paragraph of paragraph to remove "Casas" such that it reads "OM Code Subsection ISTC". Revise the end of the first sentence in the fourth paragraph to remove "Casas" such that it reads "OM Code Subsection ISTC".
	HAR			03.09.06.03		
HAR-228	HAR		FSAR03		Editorial/Match STD	Revise a. b. c. d. to read (1) (2) (3) (4) to match Vogtle.
HAR-229			FSAR03	03.09.06.03		In item c (item 3), add "a" before "plant-specific" to match Vogtle.
HAR-230	HAR		FSAR03	03.09.06.03		In the last paragraph, last sentence, revise "cause" to be "caused".
HAR-231	HAR		FSAR03	03,09,08,02	Editorial/Match STD	In the last sentence revise "items" to "item" such that is reads " (in accordance with DCD Tier 1 Section 2 ITAAC line item for the applicable systems)."
HAR-232	HAR		FSAR03	03.09.08.04	Editorial/Match STD	Change "Subsection" to "Subsections" and add "3.9.6.2.2, 3.9.6.2.4, 3.9.6.2.5 and 3.9.6.3".
HAR-233	HAR		FSAR03	03.09.08.07		Add separator line after 3.9.8.7 title.
HAR-234	HAR		FSAR03	03,09,08,07		Revise LMA placement to be adjacent to "The as-designed piping analysis"
HAR-235	HAR	PT02	FSAR03	03.09.08.07	Editorial/Match STD	Add "the" in the second paragraph after "Class 1 piping using" to match Vogtte.
						Add a period to the end of each reference missing one. Make "on" lowercase in Reference 204. To match Vogtle move "Revision 1" for Reference 202 such that it
HAR-236	HAR	PT02	FSAR03	03.09.09	Editorial/Match STD	reads "ASME Code Case OMN-1, Revision 1, "Alternative Power Plants," Make "used" lowercase in Reference 201.
HAR-237	HAR	PT02	FSAR03	03,11,05	Separator Line	Insert horizontal separator line above Section 3,11,5 title.
				-		
Chapter 4						
Grapac, 4				· · · · · · · · · · · · · · · · · · ·		
						COLA Part 2, FSAR Chapter 4, Subsection 4.4.7, is revised from:
						Replace the second paragraph in DCD Subsection 4.4.7 with the following:
						topiase the second paragraph in Bob casescale 1, 1, 1 min the following.
l		1				To read:
9440	STD	DT00	FSAR04	04.04.07	DCD Rev 17	
9440	טוּט	PTOZ	FSARU4	04.04.07		Replace the paragraph in DCD Subsection 4.4.7.2 with the following:
LUAD COO		DT	E0486:	04.04.07		VEGP R4 Chapter 4 Section 4.4.7, LMA aligns with first sentence of paragraph while
HAR-238	HAR	JP102	FSAR04	04.04.07	R-COLA	HAR LMA is aligned with "Replace" statement - change alignment in HAR COLA to match VEGP
I						
Chapter 5						
	HAR			05.02,01,01		Remove separator line before heading 5.2.1.1 Compliance with 10 CFR 50.55a to match VEGP.
HAR-240	HAR	PT02	FSAR05	05.02.01.01	Editorial/Match STD	Replace ":" with "," after "Add the following text of DCD Subsection 5.2.1.1" to match VEGP.
HAR-241	HAR	PT02	FSAR05	05.02.03.02.01		Replace ":" with ":" after "Add the following text of DCD Subsection 5.2.3.2.1" to match VEGP.
HAR-242	HAR	PT02	FSAR05	05.02.03.02.01		Delete the second "of" in the first sentence in the third paragraph to match VEGP.
	HAR	PT02		05.02.04.01		Delete the space after "120-" in the last paragraph to match VEGP.
	HAR			05.02.04.10		Remove separator line before heading 5.2.4.10 Program Implementation to match VEGP.
	HAR					Remove separator line before heading 5.3.2.6 Material Surveillance to match VEGP.
		† <u></u>	. 2, ,, ,,,			Nemove separation line belief reading 3.5.2 whaterial surveinance in match vegr. Revise the last sentence of the paragraph beginning with "Standard Charpy impact test speciments each of base metal" from "These data, together with the drop
						weight NDTT, are used to establish the" to read
		DTOO	E0.4 D-5	05.00.00.00		
	HAR			05.03.02.06	Editorial/Match STD	"These data, together with the drop weight NDTT, are used to establish an"
	HAR				Editorial/Match STD	Revise "Subsection" to "Subsections".
	HAR			05.03.06.04.01	LMA Placement	Move the LMA to align with the paragraph beginning with "The verification of plant-specific" to match VEGP.
HAR-249	HAR	PT02	FSAR05	05,03,06,06	LMA Placement	Move the LMA to align with the paragraph beginning with "This item is addressed in Subsection 5.2.4.1." to match VEGP.

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Change Part Change Section Change Secti			COLA				
1985-25 1985	Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
Comparis	HAR-250	HAR	PT02	FSAR05	05.04.02.05		
Chapter 6 Price Fall Rob							
March Prof. PARK Prof. PARK March	HAR-252	HAR	PT02	FSAR05	05.04.02.05	Editorial/Match STD	In the first sentence of the third paragraph of Subsection 5.4.2.5, delete the comma after "NEI 97-06" to match VEGP.
March Prof. PARK Prof. PARK March							
March Prof. PARK Prof. PARK March	Charter 6						
MAX MAX		HAR	PT02	FSAR 06	06.01	Editorial/Match STD	Insert sengrator line before 6.1.1.2
MARCASS MARC	1241-701	11741	1.02	OAICOO	00.01		mout operator line before V.1.1.2
1468 1472 1760 76000 80 1.03 Spenator jun Add apparation hashing in Excitor to before heading it 3 COMBINITO LICENSE SPROMATION (TIRS) to 100	HAR-253	HAR	PT02	FSAR06	06.01.02.01.06	COLA	Align LMA of STD COL 6,1-2 with second paragraph consistent with R-COLA
MAIN FTG SARDE M.S.							Add separator line before heading 6.1.3 COMBINED LICENSE INFORMATION ITEMS to match VEGP.
MARCAST MAR PT07 FAR05 0.01 94 COLA Remove LAN of STD SUP 8.1-1 for reference 291 to be consistent with R-COLA	HAR-255	HAR	PT02	FSAR06	06.01.04		Just before heading 6.1.4 delete the colon at the end of the sentence and replace with a period to match VEGP.
MARCING MARC		l <u>-</u>			L		
MARP 170 FAARO 60.02 50.02 Colorability							
MAR-259 MAR						Editorial/Match STD	
MAR						Editorial/Match STD	
MARCASE MAR MARCASE MARC	14313 700			10711100	00,02		mount departures and before 0,0,0
MAR_970 MAR_9702 FSAR06 06.02.05.02 COLA Align last LAM of STD COL 6.2.1 to "Acceptance Content with R-COLA Align last LAM of STD COL 6.2.1 to "Acceptance Content with R-COLA Column C	HAR-258	HAR	PT02	FSAR06	06.02.05.02.02		Align first LMA of STD COL 6.2-1 with second paragraph consistent with R-COLA
MAR-200 MAR						errata - conformance to R-	
MAR-269 MAR PT02 FSAR06 05.05.05 Ederosithates STD MAR-269 MAR PT02 FSAR06 05.05.05 Ederosithates STD MAR-269	HAR-259	HAR	PT02	FSAR06	06.02.05.02.02	COLA	
HAR-251 HAR			DTAG	F0 + F = =	00 00 00 00	F-171	
HAR-283	MAK-260	HAK	P102	rSAR06	06.02.05.02.02		VEGP.
HAR-296 HAR PT02 FSAR96 05.03.6.01 EditorisMets STD LA did comme after "look" in the first sentence of the sight build intern 6.3.8.1 avies the second instance of the NBCO-47 like to have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning duot and the single single part of the single beginning quote at the beginning of the title and have a single beginning quote at the beginning of the title and have a single beginning duot and the single single part of the single beginning of the title and have a single beginning duot and the single single part of the single beginning of the title and have a single part of the single beginning of the single quote should be single part of the single beginning of the single quote should be single part of the single should be single part of the single should begin the single part of the single should begin should begin	HAR-261	HAR	PTOS	FSARns	06 03 08 04		Pamova undarlines for tonic titles (a.g. responsibilities) to be consistent with P.CO.
In the last purpose prof Subsection 6.3.8.1 revise the second instance of the NIS 04-07 tips to have a single beginning quote aft the period quote, then an end quote father a period quote that or period quote that quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote the quote that quote that quote the quote that quot							Add comma after "fools" in the first sentence of the eight bullet item in Subsection 6.3.8.1
single end quote, then an end quote after a period such that it reads "Decument Number NEI 04-07), Pressurized Weler Reactor Sump Performance Evaluation 1487-258			1	. 5/1100		Land, Inglithation O. D	
HAR-293 HAR PT02 FSAR06 06.04 EditoralMatch STD LAR-294 HAR PT02 FSAR06 06.04 Consistency with memory and the second memory of the seco							single end quote, then an end quote after a period such that it reads " Document Number NEI 04-07), 'Pressurized Water Reactor Sump Performance Evaluation
STD PT02 FSAR06 06.04.04 (CoLA Part 2, FSAR Chapter 6, Subsection 6.4.4, revised to remove LMA of STD SUP 6.4-# such that LMAs match those associated with Table 6.4-201. [For Vogite 6.4.5] Add the following Information at the end of the eighth paragraph of DCD Subsection 8.4.4. Add the following Information at the end of the eighth paragraph of DCD Subsection 8.4.4. Add the following Information at the end of the eighth paragraph of DCD Subsection 8.4.4. Add the following Information at the end of the eighth paragraph of DCD Subsection 8.4.4. Add the following Information at the end of the eighth paragraph of DCD Subsection 8.4.4. Add the following Information at the end of the eighth paragraph of DCD Subsection 8.4.4. Add the following Information at the end of the eighth paragraph of DCD Subsection 8.4.4. Add the following Information at the end of the eighth paragraph of S.4.4.per R-COLA) CDLA christophics. [2 del M.A. of STD COL 8.4.1] HAR-285 HAR PT02 FSAR06 06.04.04.02 conformation to R Remove the Internet. [2 del M.A. of STD COL 8.4.1] HAR-285 HAR PT02 FSAR06 06.04.07 COLA CDLA Christophics. [2 del M.A. of STD COL 8.4.1] CHAR-286 HAR PT02 FSAR06 06.04.07 Editoral/Match STD in the south of the End of the							
of SUP LIAR from Table 6.4-201. [For Vogith 50.94.94] Add the following statements to the text following LIMA HAR SUP 6.4-1: "Insert the following statements to the text following LIMA HAR SUP 6.4-1: "Insert the following statements to the text following LIMA HAR SUP 6.4-1: "Insert the following statements to the text following LIMA HAR SUP 6.4-1: "Insert the following statements to the text following LIMA HAR SUP 6.4-1: "Insert the following statements to the text following LIMA HAR SUP 6.4-1: "Insert the following statements to the text following LIMA HAR SUP 6.4-1: "Insert the following statements to the text following LIMA HAR SUP 6.4-1: "Insert the following statements to the text following LIMA HAR SUP 6.4-1: "Insert the following statements to the text following LIMA HAR SUP 6.4-1: "Insert the following LIMA HAR SUP 6.4-1: "Insert the following Information at the end of the eight paragraph of the capture for the statement s	HAR-734	HAR	PT02	FSAR06	06,04		Insert separator line before 6.4.3
STD PT02 FSAR06 06.04.04 6.4.201 9his is removal of STD SUP 6.4-3] Add the following stelements to the text following LMA HAR SUP 6.4-1: maser the following information at the end of the eighth paragraph of DCD							
Add the following statements to the text following LMA HAR SUP 6.4-1: "Insert the following information at the end of the eighth paragraph of DCD "Subsection 6.4.4.2 (in sear move) "Insert the following information at the end of the eighth paragraph of DCD "Subsection 6.4.4.2 (in sear move) "Insert the following information at the end of the eighth paragraph of DCD "Subsection 6.4.4.2 (in sear move) "Insert the following information at the end of the eighth paragraph of DCD "Subsection 6.4.4.2 (in sear move) "Insert the following information at the end of the eighth paragraph of DCD "Subsection 6.4.4.2 (in sear move) "Insert the following information at the end of the eighth paragraph of DCD "Subsection 6.4.4.2 (in sear move) "Insert the following information at the end of the eighth paragraph of DCD "Subsection 6.4.4.2 (in sear move) to follow eighth paragraph of 6.4.4, per R-COLA) "Insert the following information at the end of the eighth paragraph of 6.4.4.2 (in sear move) to 6.4.2 (in sear move) to 6.4.2 (in sear move) to 6.4.2 (in sear move) to 6.4.3 (in sear move) to 6.4.4 (i	0250	CTD	DTDO	EC A DOC	06.04.04		COLA Part 2, FSAR Chapter 6, Subsection 6.4.4, revised to remove LMA of STD SUP 6.4.# such that LMAs match those associated with Table 6.4-201. [For Vogtle,
HAR-254 HAR PT02 FSAR06 06.04.04 COLA errata - conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the State of the State o	9009	310	17102	FSARUO	06.04.04	0.4-201	this is removal of STD SOP 6.4-3.
HAR-254 HAR PT02 FSAR06 06.04.04 COLA errata - conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated onsite conformance to R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the R Table 6.4-201 provides additional details regarding the evaluated consideration of the State of the State o			1				Add the following statements to the text following I MA HAD SLID 6 A 1:
HAR-264 HAR PT02 FSAR06 06.04.04 certal-conformance to R Table 6.4-20 provides additional details regarding the evaluated onsite chemicals." (add LMA of STD COL 6.4-1) for interest the conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 6.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 5.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Remove the statement, Table 5.4-20 provides additional details regarding the evaluated onsite certal-conformance to R Collaboration and addition to R.4-20 provides additional details regarding the evaluated onsite to table to table to table to the certal-conformance to R Collaboration and addition to R.4-20 p							
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HAR-265 HAR PTQ FSAR06 06.04.04.02 COLA chemicals." and associated STD LMAs from Subsection 6.4.2 (it was moved to follow eighth paragraph of 6.4.4, per R-COLA) HAR-268 HAR PTQ FSAR06 06.04.07 COLA Add LMA of STD COL 6.4.1 to first statement under 6.4.7, and add Subsection 6.4.4 in addition to 6.4.4.2, consistent with R-COLA HAR-267 HAR-267 HAR PTQ FSAR06 06.04.17 16.4-201 Editorial/Match STD In the story first column on Sheet 1 under the heading "Evaluated Location" review "Turbine" to match VEGP. HAR-270 HAR PTQ FSAR06 06.04.17 16.4-201 Editorial/Match STD In the second row fifth column on Sheet 1 under the heading "Evaluated Location" review "Turbine" to "mutch VEGP. HAR-270 HAR PTQ FSAR06 06.04.17 16.4-201 Editorial/Match STD In the second row fifth column on Sheet 2 reviews "To ", right "Po Dublishing" to match VEGP. HAR-271 HAR PTQ FSAR06 06.04.17 16.4-201 Editorial/Match STD In the second row fifth column on Sheet 2 reviews "To ", right "Po Dublishing" to match VEGP. HAR-272 HAR PTQ FSAR06 06.04.17 16.4-201 Formatting On sheet 2 of 4, and and dire are sound "comparing such that it reads" "In addition." To match VEGP. HAR-273 HAR PTQ FSAR06 06.04.17 16.4-201 Formatting On sheet 2 of 4, insert a return between rows "Comosion Inhibitor (Sodium Mobydate)" and "Scale Inhibitor (Sodium Mobydate)" to match VEGP. HAR-273 HAR PTQ FSAR06 06.04.17 16.4-201 Separator Line Add separator into sheet 3 of 4 to match VEGP. HAR-276 HAR PTQ FSAR06 06.04.17 16.4-201 Separator Line Add separator into sheet 3 of 4 to match VEGP. HAR-277 HAR PTQ FSAR06 06.04.17 16.4-201 Separator Line Add separator into sheet 3 of 4 to match VEGP. HAR-278 HAR PTQ FSAR06 06.06.03.03 Editorial/Match STD In the second paragraph under heading Visual Examination, remove space after "WA-2210-" such that it reads "". in accordance with 10 CFR 50.5586(gl) or 50.558(gl)(5) " to match VEGP. HAR-281 HAR PTQ FSAR07 07.01.06.01 Separator Line Insert separator line after 7.1.6.1 paragraph HAR-283 HAR PTQ FSAR08 08.10.01 Separator Line Insert sep	HAR-264	HAR	PT02	FSAR06	06.04.04		chemicals." (add LMA of STD COL 6.4-1)
HAR-266 HAR PT02 FSAR06 06.04.07 COLA Add LMA of STD COL 6.4-1 to first statement under 6.4.7, and add Subsection 6.4.4 in addition to 6.4.4.2, consistent with R-COLA HAR-267 HAR PT02 FSAR06 06.04.17 (6.4-201 Editoral/Match STD In the first row fifth column on Sheet 1 under the heading "Evaluated Location" avise "Turbine" to "match VEGP. HAR-269 HAR PT02 FSAR06 06.04.17 (6.4-201 Editoral/Match STD In the second row fifth column on Sheet 1, revise "addition" to "Addition" to match VEGP. HAR-279 HAR PT02 FSAR06 06.04.17 (6.4-201 Editoral/Match STD In the second and third row fifth column on Sheet 1 revise "addition" to "Addition" to match VEGP. HAR-271 HAR PT02 FSAR06 06.04.17 (6.4-201 Editoral/Match STD In the second and third row fifth column on Sheet 1 revise "after "DG building" to match VEGP. HAR-271 HAR PT02 FSAR06 06.04.17 (6.4-201 Editoral/Match STD In the second and third row sheet and revise "Shar06 of the first column on Sheet 1 revise "after "DG building" to match VEGP. HAR-273 HAR PT02 FSAR06 06.04.17 (6.4-201 Editoral/Match STD In the second and third row sheet and revise "Shar06 of the first column on Sheet 1 revise "after "DG building" to match VEGP. HAR-273 HAR PT02 FSAR06 06.04.17 (6.4-201 Formatting On sheet 2 of 4, insert a return between rows "Comosion Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molybdate)" and "Scale Inhibitor							
HAR-266 HAR PT02 FSAR06 60-04-1716-4-201 Editorial/Match STD In the first row/fifth column on Sheet 1 under 6-17, and add Subsaction 6-4.4 in addition to 6-4.4.2, consistent with R-COLA HAR-268 HAR PT02 FSAR06 60-04-1716-4-201 Editorial/Match STD In the first row/fifth column on Sheet 1, revise "addition" to "Addition" to match VEGP. HAR-270 HAR PT02 FSAR06 60-04-1716-4-201 Editorial/Match STD In the second row/fifth column on Sheet 1 are "revise "Indicate" in the State of Top Subliding" to match VEGP. HAR-270 HAR PT02 FSAR06 60-04-1716-4-201 Editorial/Match STD In the second row/fifth column on Sheet 3 revise "Addition" to match VEGP. HAR-271 HAR PT02 FSAR06 60-04-1716-4-201 Editorial/Match STD In the second row/fifth column on Sheet 3 revise "Addition" to match VEGP. HAR-272 HAR PT02 FSAR06 60-04-1716-4-201 Editorial/Match STD In the second row/fifth column on Sheet 3 revise "Addition" to match VEGP. HAR-271 HAR PT02 FSAR06 60-04-1716-4-201 Formatting On sheet 2 of 4, insert a return bettween rows "Corrossion Inhibitor [Sodium Molybdate]" and "Corrossion Inhibitor [Sodium Molybdate]" and "Corrossion Inhibitor [Sodium Molybdate]" and "Scale Inhibitor (Sodium Mo	HAR-265	HAR	PT02	FSAR06	06.04.04.02		chemicals." and associated STD LMAs from Subsection 6.4.4.2 (it was moved to follow eighth paragraph of 6.4.4, per R-COLA)
HAR.267 HAR PT02 FSAR08 06.04.17 (16.4201 Editorial/Match STD In the first row fifth column on Sheet 1 under the heading "Evaluated Location" revise "Turbine" to "surbine" to match VEGP.	HAD SEE	UAD.	ртоз	CCADOS	06.04.07		Add I MA of CTD COL 6.4.4 to Sint abstract under 6.4.7 and add Subscript 6.4.4 is addition to 6.4.4.0 associated with D COLA
HAR.268 HAR PT02 FSAR08 06.04.T.16.4-201 Editorial/Match STD In the sixth now first column on Sheet 1, revise "addition" to "addition" to match VEGP. HAR.270 HAR PT02 FSAR08 06.04.T.16.4-201 Editorial/Match STD In the second row fifth column on Sheet 2 revise "10" is "after "DB building" to match VEGP. HAR.271 HAR PT02 FSAR08 06.04.T.16.4-201 Editorial/Match STD In the second prow fifth column on Sheet 3 revise "Algicide" to "Algaecide" to match VEGP. HAR.271 HAR PT02 FSAR08 06.04.T.16.4-201 Formatting On sheet 2 of 4, insert a return between rows "Corrosion Inhibitor (Sodium Molybdate)" and "Corrosion Inhibitor (Sodium Molybdate)" and "Corrosion Inhibitor (Sodium Molybdate)" and "Corrosion Inhibitor (Sodium Molybdate)" and "Corrosion Inhibitor (Sodium Molybdate)" and "Sodium Haxametaphosphate)" to match VEGP. HAR.272 HAR PT02 FSAR08 06.04.T.7.16.4-201 Formatting On sheet 2 of 4, insert a return between rows "Corrosion Inhibitor (Sodium Molybdate)" and "Sodium Haxametaphosphate)" to match VEGP. HAR.275 HAR PT02 FSAR08 06.04.T.7.16.4-201 Formatting On sheet 2 of 4, insert a return between rows "Corrosion Inhibitor (Sodium Molybdate)" and "Sodium Haxametaphosphate)" to match VEGP. HAR.275 HAR PT02 FSAR08 06.04.T.7.16.4-201 Formatting On sheet 2 of 4, insert a return between rows "Corrosion Inhibitor (Sodium Molybdate)" and "Sodium Haxametaphosphate)" to match VEGP. HAR.275 HAR PT02 FSAR08 06.04.T.7.16.4-201 Formatting On sheet 2 of 4, insert a return between rows "Corrosion Inhibitor (Sodium Molybdate)" and "Sodium Haxametaphosphate)" to match VEGP. HAR.276 HAR PT02 FSAR08 06.04.T.7.16.4-201 Formatting On sheet 2 of 4, insert a return between rows "Corrosion Inhibitor (Sodium Molybdate)" and "Sodium Haxametaphosphate)" to match VEGP. HAR.277 HAR PT02 FSAR08 06.04.T.7.16.4-201 Formatting On sheet 2 of 4, insert a return between rows "Corrosion Inhibitor (Sodium Molybdate)" and "Sodium Haxametaphosphate" to match VEGP. HAR.276 HAR PT02 FSAR08 06.04.T.7.16.4-201 Formatting On sheet 2 of 4, insert a return							
HAR-299 HAR PT02 FSAR06 06.04 T.16.4-201 Editorial/Match STD In the second row fifth column on Sheet2 revises "16", "after "DG building" to match VEGP. HAR-271 HAR PT02 FSAR06 06.04 T.16.4-201 Editorial/Match STD On sheet 2 of 4, add a period after second "comp" such that it reads: "Algaecide (Armonium comp. polyethoxyletp" HAR-271 HAR-271 HAR PT02 FSAR06 06.04 T.16.4-201 Editorial/Match STD On sheet 2 of 4, add a period after second "comp" such that it reads: "Algaecide (Armonium comp. polyethoxyletp" HAR-272 HAR PT02 FSAR06 06.04 T.16.4-201 Formatting On sheet 2 of 4, insert a return between rows "Corrosion Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Hexametaphosphate)" to match VEGP. HAR-273 HAR PT02 FSAR06 06.04 T.76.4-201 or Table notes a return between rows "Corrosion Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Hexametaphosphate)" to match VEGP. HAR-275 HAR PT02 FSAR06 06.04 T.76.4-201 or Table notes a return between rows "Corrosion Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Hexametaphosphate)" to match VEGP. HAR-276 HAR PT02 FSAR06 06.04 T.76.4-201 or Table notes a return between rows "Corrosion Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Hexametaphosphate)" to match VEGP. HAR-276 HAR PT02 FSAR06 06.04 T.76.4-201 or Table notes a return between rows "Corrosion Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Hexametaphosphate)" to match VEGP. HAR-276 HAR PT02 FSAR06 06.04 T.76.4-201 or Table notes a return between rows "Corrosion Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Molydate)" and "Scale Inhibitor (Sodium Molydate)" and					06.04.T / T6.4-201		
HAR.270							
HAR-271 HAR PT02 FSAR06 06.04.7 T6.4-201 Editorial/Match STD On sheet 2 of 4, add a period after second "comp" such that it reads: "Algaecide (Ammonium comp. polyethoxylate)" HAR-272 FAR07 FAR08 06.04.7 T6.4-201 Formatting On sheet 2 of 4, insert a return between nows "Corrosion Inhibitor (Sodium Molybdate)" and "Sociale Inhibitor (Sodiu							
HAR-273 HAR PT02 FSAR06 06.04.T7 F6.4-201 Formatting On sheet 2 of 4, insert a return between rows "Cornsoin Inhibitor (Sodium Molybdate)" and "Scale Inhibitor (Sodium Hexametaphosphate)" to match VEGP. HAR-275 HAR PT02 FSAR06 06.04.T7 F6.4-201 or Just before "Notes," add a separator line and add the LMA "STD COL 6.4-1" to align with "1) This table supplements" to match VEGP. 9086 STD PT02 FSAR06 06.04.T.7 F6.4-201 standard. COLA Part 2, FSAR0 Apriler 6, Table 6.4-201 Notes revised to identify them as Standard by adding a separator bar above "Notes," and a separator line and add the LMA "STD COL 6.4-1" to align with "1) This table supplements" to match VEGP. 9086 STD PT02 FSAR06 06.04.T.7 F6.4-201 Standard. COLA Part 2, FSAR0 Apriler 6, Table 6.4-201 Notes revised to identify them as Standard by adding a separator bar above "Notes," and adding STD LMA. HAR-276 HAR PT02 FSAR06 06.06.03.0.3 Editorial/Match STD In the second paragraph under heading Visual Examination, remove space after "IWA-2210-" such that it reads "IWA-2210-1" to match VEGP. HAR-277 HAR PT02 FSAR06 06.06.03.03 Editorial/Match STD Delete the second instance of "10 CFR" such that it reads "IWA-2210-1" to match VEGP. HAR-278 HAR PT02 FSAR07 07.01.06.01 Separator Line Insert separator Line before heading 6.6.9 COMBINED LICENSE INFORMATION ITEMS to match VEGP. Chapter 7 HAR-279 HAR PT02 FSAR07 07.01.06.01 Separator Line Insert separator Line after 7.5.2, 7.5.3.5, and 7.5.5 HAR-280 HAR PT02 FSAR07 07.05.03.05 Editorial/Match STD error separator Line after 7.5.2, 7.5.3.5, and 7.5.5 HAR-281 HAR PT02 FSAR07 07.05.03.05 COLA Separator Line retrails reparator Line after 7.5.2, 7.5.3.5, and 7.5.5 HAR-282 HAR PT02 FSAR07 07.05.03.05 Separator Line Separator Line after 7.5.2, 7.5.3.5, and 7.5.5 HAR-282 HAR PT02 FSAR08 08.TOC COLA FSAR07 07.05.5.05 Separator Line Separator Line separator Line after 7.5.2, 7.5.3.5, and 7.5.5 HAR-283 HAR PT02 FSAR08 08.TOC COLA FSAR08 08.01.01 Separator Line Separator Line Separator Line Separator Line Sepa	HAR-271	HAR	PT02	FSAR06	06,04,T / T6,4-201	Editorial/Match STD	On sheet 3 of 4, add a period after second "comp" such that it reads: "Algaecide [Ammonium comp. potyethoxylate]"
HAR.273							On sheet 2 of 4, insert a return between rows "Corrosion Inhibitor [Sodium Molybdate]" and "Corrosion Inhibitor [Sodium Molybdate]" to match VEGP.
HAR-275 HAR							On sheet 2 of 4, insert a return between rows "Corrosion Inhibitor [Sodium Molybdate]" and "Scale Inhibitor [Sodium Hexametaphosphate]" to match VEGP.
STD PT02 FSAR06 06.04.T / T6.4-201 Sh4 standard. COLA Part 2, FSAR Chapter 6, Table 6.4-201 Notes revised to identify them as Standard by adding a separator bar above "Notes." and adding STD LMA. HAR-276 HAR PT02 FSAR06 06.06.03.01 Editorial/Match STD In the second paragraph under heading Visual Examination, remove space after "IWA-2210-" such that it reads "IWA-2210-" in match VEGP. HAR-277 HAR PT02 FSAR06 06.06.03.03 Editorial/Match STD Delete the second instance of "10 CFR" such that it reads " in accordance with 10 CFR 50.55a(a)(3) or 50.55a(a)(3) or 50.55a(g)(5)." to match VEGP. HAR-278 HAR PT02 FSAR06 06.06.06 Separator Line Insert separator line before heading 6.6.9 COMBINED LICENSE INFORMATION ITEMS to match VEGP. Chapter 7 HAR-280 HAR PT02 FSAR07 07.01.06.01 Separator Line Insert separator line after 7.1.6.1 paragraph HAR-281 HAR PT02 FSAR07 07.05.02 Separator Line Insert separator Line after 7.5.2, 7.53.5, and 7.5.5 HAR-281 HAR PT02 FSAR07 07.05.03.05 Editorial/Match STD Revise paragraph to match VEGP STD text by changing "Add the following paragraph" to Add the following paragraphs". HAR-282 HAR PT02 FSAR08 08.TOC COLA Delete the word "remarks" from footnote a) for consistency with R-COLA. Chapter 8 HAR-283 HAR PT02 FSAR08 08.TOC Separator Line Separator Line Delete separator line before heading 8.1.1. Errata - conformance to R COLA FSAR0 and the bedy of the Chapter (p. 8.1-1). Also change Master Alaba Separator Line Delete separator line before heading 8.1.1. Errata - conformance to R COLA FSAR0 and the bedy of the Chapter (p. 8.1-1). Also change Master SAR0 and the polyments of the chapter form "ELECTRICAL POWER" to "ELECTRIC POWER" in the TOC (p. 8-i) and the body of the Chapter (p. 8.1-1). Also change Master SAR0 and the polyments of the chapter form "ELECTRICAL POWER" to "ELECTRIC POWER" in the TOC (p. 8-i) and the body of the Chapter (p. 8.1-1). Also change Master SAR0 and the polyments of the chapter form "ELECTRICAL POWER" to "ELECTRIC POWER" in the TOC (p. 8-i) and the body of						Separator Line	
STD PT02 SAR06 06.04.T / T6.4-201 Sh4 standard. COLA Part 2, FSAR Chapter 6, Table 6.4-201 Notes revised to identify them as Standard by adding a separator bar above "Notes." and adding STD LMA.	HAR-275	HAR	PT02	rSAR06	U6.04.T / T6.4-201	Or Table setse :	Just before "Notes;" add a separator line and add the LMA "STD COL 6.4-1" to align with "1) This table supplements" to match VEGP.
HAR-276 HAR PT02 FSAR06 06.06.03.01 Editorial/Match STD In the second paragraph under heading Visual Examination, remove space after "IWA-2210-" such that it reads "IWA-2210-1." to match VEGP. HAR-277 HAR PT02 FSAR06 06.06.03.03 Editorial/Match STD Delete the second instance of "10 CFR" such that it reads " in accordance with 10 CFR 50.55a(a)(3) or 50.55a(a)(5)." to match VEGP. HAR-278 HAR PT02 FSAR06 06.06.06 Separator Line Add separator line before heading 6.6.9 COMBINED LICENSE INFORMATION ITEMS to match VEGP. Chapter 7 HAR-279 HAR PT02 FSAR07 07.01.06.01 Separator Line Insert separator line after 7.1.6.1 paragraph HAR-280 HAR PT02 FSAR07 07.05.03.05 Editorial/Match STD Delete the second instance of "10 CFR" such that it reads " in accordance with 10 CFR 50.55a(a)(3) or 50.55a(a)(5)." to match VEGP. Chapter 8 HAR-281 HAR PT02 FSAR07 07.01.06.01 Separator Line Insert separator line after 7.1.6.1 paragraph Insert separator Line after 7.1.6.1 paragraph Insert separator Line after 7.5.2, 7.5.3.5, and 7.5.5 Revise paragraph to match VEGP STD text by changing "Add the following paragraph" to Add the following paragraphs". HAR-282 HAR PT02 FSAR07 07.05.T / T7.5-202 COLA Chapter 8 HAR-283 HAR PT02 FSAR08 08.TOC COLA Errata - conformance to R Change the title of the chapter from "ELECTRICAL POWER" to "ELECTRIC POWER" in the TOC (p. 8-i) and the body of the Chapter (p. 8.1-1). Also change Master HAR-284 HAR PT02 FSAR08 08.01.01 Separator Line errata - conformance to R Contents. HAR-284 HAR PT02 FSAR08 08.01.01 Separator Line errata - conformance to R Contents. HAR-285 HAR PT02 FSAR08 08.01.01 Separator Line before heading 8.1.1.	9860	STD	PTU2	ESARNE	06 04 T / TR 4-201 Sh4		COLA Part 2 FSAP Chanter 6 Table 6 4.201 Notes revised to identify them as Standard by additing a separator has about \$16460. Table 3 and additing COLA Part 2 FSAP Chanter 6 Table 6 4.201 Notes revised to identify them as Standard by additing a separator has about \$16460.
HAR-277 HAR PT02 FSAR06 06.06.03.03 Editorial/Match STD Delete the second instance of "10 CFR" such that it reads " in accordance with 10 CFR 50.55a(a)(3) or 50.55a(g)(5)." to match VEGP. Add separator line before heading 6.6.9 COMBINED LICENSE INFORMATION ITEMS to match VEGP. Chapter 7 HAR-279 HAR PT02 FSAR07 07.01.06.01 Separator Line Insert separator line after 7.1.6.1 paragraph HAR-280 HAR PT02 FSAR07 07.05.02 Separator Line Insert separator Line after 7.5.2, 7.5.3.5, and 7.5.5 HAR-281 HAR PT02 FSAR07 07.05.03.05 Editorial/Match STD errata - conformance to R HAR-282 HAR PT02 FSAR07 07.05.17.75.502 COLA Chapter 8 HAR-283 HAR PT02 FSAR08 08.TOC COLA FSAR Table of Contents. HAR-284 HAR PT02 FSAR08 08.10.01 Separator Line distance of "10 CFR" such that it reads " in accordance with 10 CFR 50.55a(a)(3) or 50.55a(g)(5)." to match VEGP. Add separator Line before heading 6.6.9 COMBINED LICENSE INFORMATION ITEMS to match VEGP. Add separator Line after 7.1.6.1 paragraph Insert separator Line after 7.5.2, 7.5.3.5, and 7.5.5 Revise paragraph to match VEGP STD text by changing "Add the following paragraph" to Add the following paragraphs". Belete the word "remarks" from footnote a) for consistency with R-COLA. Chapter 8 HAR-283 HAR PT02 FSAR08 08.TOC COLA FSAR Table of Contents. Belete the word "remarks" from "ELECTRICAL POWER" to "ELECTRIC POWER" in the TOC (p. 8-i) and the body of the Chapter (p. 8.1-1). Also change Master Collance of the Paragraph of Contents. Belete the second instance of "10 CFR" such that it reads " in accordance with 10 CFR 50.55a(a)(3) or 50.55							to the second paragraphy inder bardy invited toward to return y users as calculated by adoing a separator par above invites: and adoing STD LMA. In the second paragraphy under hadring Visual Examination, remove space after "IMA-2710," such that it reads "IMA-2710," is not by USCD.
HAR-278 HAR PT02 FSAR06 06.06.06 Separator Line Add separator line before heading 6.6.9 COMBINED LICENSE INFORMATION ITEMS to match VEGP. Chapter 7 HAR-279 HAR PT02 FSAR07 07.01.06.01 Separator Line Insert separator line after 7.1.6.1 paragraph HAR-280 HAR PT02 FSAR07 07.05.02 Separator Line Insert separator Line after 7.5.2, 7.5.3.5, and 7.5.5 HAR-281 HAR PT02 FSAR07 07.05.03.05 Editorial/Match STD Revise paragraph to match VEGP STD text by changing "Add the following paragraph" to Add the following paragraphs". HAR-282 HAR PT02 FSAR07 07.05.1/17.5-202 COLA Chapter 8 HAR-283 HAR PT02 FSAR08 08.TOC COLA FSAR Table of Contents. HAR-284 HAR PT02 FSAR08 08.01.01 Separator Line FSAR Table of Contents. HAR-285 HAR-286 HAR PT02 FSAR08 08.01.01 Separator Line HAR-286 HAR-287 HAR PT02 FSAR08 08.01.01 Separator Line HAR-288 HAR-288 HAR PT02 FSAR08 08.01.01 Separator Line HAR-288 HAR-288 HAR PT02 FSAR08 08.01.01 Separator Line HAR-288 HAR-288 HAR PT02 FSAR08 08.01.01 Separator Line HAR-288 HAR-288 HAR PT02 FSAR08 08.01.01 Separator Line HAR-288 HAR-288 HAR PT02 FSAR08 08.01.01 Separator Line HAR-288 HAR-288 HAR PT02 FSAR08 08.01.01 Separator Line HAR-288 HAR-288 HAR PT02 FSAR08 08.01.01 Separator Line HAR-288 HAR-288 HAR PT02 FSAR08 08.01.01 Separator Line HAR-288 HAR-288 HAR PT02 FSAR08 08.01.01 Separator Line HAR-288 HAR-288 HAR PT02 FSAR08 08.01.01 Separator Line HAR-288 HAR-28							
Chapter 7 HAR-279 HAR PT02 FSAR07 07.01.06.01 Separator Line Insert separator line after 7.1.6.1 paragraph HAR-280 HAR PT02 FSAR07 07.05.02 Separator Line Insert separator Line after 7.5.2, 7.5.3.5, and 7.5.5 HAR-281 HAR PT02 FSAR07 07.05.03.05 EditoriaMatch STD Revise paragraph to match VEGP STD text by changing "Add the following paragraph" to Add the following paragraphs". HAR-282 HAR PT02 FSAR07 07.05.T / T7.5-202 COLA Chapter 8 HAR-283 HAR PT02 FSAR08 08.TOC COLA Errata - conformance to R Change the title of the chapter from "ELECTRICAL POWER" to "ELECTRIC POWER" in the TOC (p. 8-i) and the body of the Chapter (p. 8.1-1). Also change Master HAR-284 HAR PT02 FSAR08 08.01.01 Separator Line Delete separator line before heading 8.1.1. Errata - conformance to R Change the title of the chapter from "ELECTRICAL POWER" to "ELECTRIC POWER" in the TOC (p. 8-i) and the body of the Chapter (p. 8.1-1). Also change Master Conformance to R Change the title of Contents.							Add separator line before heading 6.6.9 COMBINED LICENSE INFORMATION ITEMS to match VEGP.
HAR-289 HAR PT02 FSAR07 07.01.06.01 Separator Line Insert separator line after 7.1.6.1 paragraph HAR-280 HAR PT02 FSAR07 07.05.02 Separator Line Insert separator Line after 7.5.2, 7.5.3.5, and 7.5.5 HAR-281 HAR PT02 FSAR07 07.05.03.05 Editorial/Match STD Revise paragraph to match VEGP STD text by changing "Add the following paragraph" to Add the following paragraphs". HAR-282 HAR PT02 FSAR07 07.05.T/TT.5-202 COLA Delete the word "remarks" from footnote a) for consistency with R-COLA. Chapter 8						· · · · · · · · · · · · · · · · · · ·	
HAR-289 HAR PT02 FSAR07 07.01.06.01 Separator Line Insert separator line after 7.1.6.1 paragraph HAR-280 HAR PT02 FSAR07 07.05.02 Separator Line Insert separator Line after 7.5.2, 7.5.3.5, and 7.5.5 HAR-281 HAR PT02 FSAR07 07.05.03.05 Editorial/Match STD Revise paragraph to match VEGP STD text by changing "Add the following paragraph" to Add the following paragraphs". HAR-282 HAR PT02 FSAR07 07.05.T/TT.5-202 COLA Delete the word "remarks" from footnote a) for consistency with R-COLA. Chapter 8							
HAR-280 HAR PT02 FSAR07 07.05.02 Separator Line Insert separator Line after 7.5.2, 7.5.3.5, and 7.5.5 HAR-281 HAR PT02 FSAR07 07.05.03.05 Editorial/Match STD errata - conformance to R COLA C	Chapter 7						
HAR-281 HAR PT02 FSAR07 07.05.03.05 Editorial/Match STD errata - conformance to R Delete the word "remarks" from footnote a) for consistency with R-COLA. Chapter 8 HAR-282 HAR PT02 FSAR08 08.TOC COLA FSAR08 08.TOC COLA FSAR Table of Contents. HAR-284 HAR PT02 FSAR08 08.01.01 Separator Line Delete separator line before heading 8.1.1.							
HAR-282 HAR PT02 FSAR07 07.05.T / T7.5-202 errata - conformance to R COLA Delete the word "remarks" from footnote a) for consistency with R-COLA. Chapter 8 HAR-283 HAR PT02 FSAR08 08.TOC COLA FSAR Table of Contents. HAR-284 HAR PT02 FSAR08 08.0.01 Separator Line Delete separator line before heading 8.1.1. errata - conformance to R Change the title of the chapter from "ELECTRICAL POWER" to "ELECTRIC POWER" in the TOC (p. 8-i) and the body of the Chapter (p. 8.1-1). Also change Master COLA FSAR Table of Contents. Delete separator line before heading 8.1.1.							
HAR-282 HAR PT02 FSAR07 07.05.T / T7.5-202 COLA Delete the word "remarks" from footnote a) for consistency with R-COLA. Chapter 8 HAR-283 HAR PT02 FSAR08 08.TOC COLA FSAR08 the title of the chapter from "ELECTRICAL POWER" to "ELECTRIC POWER" in the TOC (p. 8-i) and the body of the Chapter (p. 8.1-1). Also change Master FSAR Table of Contents. HAR-284 HAR PT02 FSAR08 08.01.01 Separator Line Delete separator line before heading 8.1.1.	⊓AK-281	TAR	7102	FOARU/			Revise paragraph to maign VEGP 51D text by changing "Add the following paragraph" to Add the following paragraphs".
Chapter 8 HAR-283 HAR PT02 FSAR08 08.TOC COLA FSAR Table of Contents. HAR-284 HAR PT02 FSAR08 08.0.01 Separator Line Delete separator line before heading 8.1.1. errata - conformance to R Change the title of the chapter from "ELECTRICAL POWER" to "ELECTRIC POWER" in the TOC (p. 8-i) and the body of the Chapter (p. 8.1-1). Also change Master Could FSAR08 08.0.0.0.1 Separator Line Separato	HAR-282	HAR	_{PT02}	FSAR07			Delete the word "remarks" from footnote a) for consistency with R-COLA
HAR-283 HAR PT02 FSAR08 08.TOC COLA FSAR Table of Contents. HAR-284 HAR PT02 FSAR08 08.0.01 Separator Line before heading 8.1.1. HAR-285 HAR PT02 FSAR08 HAR-286							
HAR-283 HAR PT02 FSAR08 08.TOC COLA FSAR Table of Contents. HAR-284 HAR PT02 FSAR08 08.0.01 Separator Line before heading 8.1.1. HAR-285 HAR PT02 FSAR08 HAR-286							
HAR-283 HAR PT02 FSAR08 08.TOC COLA FSAR Table of Contents. HAR-284 HAR PT02 FSAR08 08.01.01 Separator Line Delete separator line before heading 8.1.1. errata - conformance to R errata - conformance to R Processor Processor	Chapter 8						
HAR-284 HAR PT02 FSAR08 08.01.01 Separator Line Delete separator line before heading 8.1.1. errata - conformance to R							
errata - conformance to R							
	MAR-284	HAK	P102	rSAR08			Delete separator line betore heading 8.1.1.
Participation Participation	HAR-280	HAR	_{PT02}	ESARna			Section 8.1.1 _ Mayor I MA "HAD SUD 8.1.1" from the introductory sentance down to the first paragraph
	110N=203	11/411	[1 102]	OARUO	00,01,01	COL	Section 0.1.1 - move LIMA 50F 0.1-1 from the introductory sentence down to the first paragraph.

		_		T	1	
		COLA				
Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
		1	0	-	errata - conformance to R	
HAR-290	HAR	PT02	FSAR08	08.01.04.03	COLA	Section 8.1.4.3 - Add an 's' after "paragraph" in the introductory sentence such that it reads: " between the second and third paragraphs of this subsection".
HAR-285	HAR		FSAR08	08.02.	Editorial/Match STD	Revise heading 8.2 from "OFF-SITE POWER SYSTEM" to "OFFSITE POWER SYSTEM" and update Table of Contents and Master FSAR Table of Contents,
	HAR		FSAR08	08.02.01	Separator Line	Delete separator line before heading 8.2.1.
HAR-1052	HAR	PT02	FSAR08	08.02.01	Editorial	Subsection 8.2.1, 11th paragraph, delete "(Reference 201)" at the end of the paragraph.
LIAD 204		DTOO	FC 4 D00		errata - conformance to R	Confirm CO.4.4 Mars LMA BIAD COLON Mars In Colon Mars In C
HAR-291	HAR	PIUZ	FSAR08	08.02.01.01	COLA errata - conformance to R	Section 8.2.1.1 - Move LMA "HAR COL 8.2-1" from the introductory sentence down to the Subsection 8.2.1.1.1 title line.
HAR-292	HAR	PT02	FSAR08	08.02.01.02.01	COLA	Add a horizontal separator line above the last paragraph of this section and add LMA HAR SUP 8.2-X.
HAR-293	HAR		FSAR08	08.02.05	Editorial	Subsection 8.2.5, first paragraph, add Subsection 8.2.1.1.1 to the list of references and delete Subsections 8.2.1.1and 8.2.1.1.3 from the list of references.
HAR-294	HAR		FSAR08	08.02.05	Editorial	Add an "s" after "Subsection" in the last sentence,
					404 enviromental permit	
HAR-297	HAR	PT02	FSAR08	08.02.F / F8.2-202	consistency	Revise dwg to reflect HAR 3 switchyard size and location change; also transmission lines rerouted.
		l			404 enviromental permit	<u></u>
HAR-298	HAR	PT02	FSAR08	08.02.F / F8.2-203	consistency	Revise dwg to reflect HAR 3 switchyard size and location change; also transmission lines rerouted.
		1			401/404 enviromental permit consistency Item	
HAR-299	HAR	PT02	FSAR08	08.02.F / F8.2-203	20	Figure revised as needed to show updated transmission line routes.
10.00 -	1000	1.102	1 0/1100	00.02.770.2-200	401/404 enviromental	Tiguio Tovisco as needed to show appeared manonission line todaes.
l					permit consistency Item	
HAR-300	HAR	PT02	FSAR08	08.02.F / F8,2-204	21	Figure revised as needed to show updated transmission line routes.
					404 enviromental permit	
HAR-301	HAR	PT02	FSAR08	08.02.F / F8.2-204	consistency	Revise dwg to reflect HAR 3 switchyard size and location change; also transmission lines rerouted.
	HAR	PT02	50 A DOO	00.00 7 / 70.0 000	errata - conformance to R-	
HAR-295	HAR	P102	FSAR08	08.02.T / T8.2-203	COLA	Table 8.2-203, add space in note by changing " inrush = 6.5x FLA" to " inrush = 6.5 x FLA".
HAR-296	HAR	PT02	FSAR08	08.02.T / T8.2-203	errata - conformance to R-	Add a "y" to "stead" on "Allowable voltage regulation" row in middle column such that it reads "steady state".
HAR-287	HAR		FSAR08	08.03.	Editorial/Match STD	Revise heading 8.3 from "ON-SITE POWER SYSTEM" to "ONSITE POWER SYSTEM" and update Table of Contents and Master FSAR Table of Contents.
HAR-288	HAR		FSAR08	08.03.	Editorial/Match STD	Add period to the end of the first sentence in Section 8.3 to match VEGP.
					errata - conformance to R	
HAR-302	HAR		FSAR08	08.03.01.01.01	COLA	Section 8.3.1.1.1 - Move LMA "HAR SUP 8.3-2" from the introductory sentence down to the next statement.
HAR-303	HAR		FSAR08	08.03.01.01.02.04	Editorial/Match STD	Revise heading 8.3.1.1.2.4 from "Operations, Inspection, and Mainentance" to "Operation, Inspection, and Maintenance" and update Table of Contents.
HAR-304	HAR			08.03.01.01.02.04	Editorial/Match STD	Revise first sentence to "Operation, inspection and maintenance"
HAR-305	HAR HAR		FSAR08	08.03.01.04	Editorial/Match STD	Revise "On-Site" to Onsite"
HAR-306 HAR-307	HAR		FSAR08 FSAR08	08.03.02.01.01.01 08.03.02.01.04	Editorial/Match STD Editorial/Match STD	Revise "non-class" to "non-Class" and "class" to "Class" In Subsection 8.3.2.1.4 all words "class" before 1E capitalized (three instances), and remove the commas after IEEE 450 in the second paragraph.
HAR-308	HAR		FSAR08	08.03.03	Editorial/Match STD	Revise "ON-SITE" to ONSITE" in title and TOC
		1	, .,			Following Subsection 8.3.4, add the following statement:
	HAR	PT02	FSAR08	08.03.04	Editorial	"Add the following information at the end of DCD Subsection 8.3.4:"
HAR-309						Reference 201 is not referenced in Section 8.3, therefore delete it and renumber the following references and revise Subsection 8.3.1.1.7 from Reference 202 to 201. Reference 202 to IEEE Std 80-2000 is to be revised to "Institute of Electrical and Electronics Engineers (IEEE), "IEEE Guide for Safety in AC Substation Grounding,"
	HAR	PT02	FSAR08	08.03.04		IEEE Std 80-2000, August 4, 2000.* Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.)
HAR-310	HAR	PT02	FSAR08	08.03.04		IEEE Std 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP.
	HAR	PT02	FSAR08	08.03.04		IEEE Skd 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.)
HAR-310	HAR	PT02	FSAR08	08.03.04		IEEE Std 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP.
HAR-310	HAR	PT02	FSAR08	08.03.04	Editorial/Match STD	IEEE Skd 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.)
HAR-310	HAR	PT02	FSAR08	08.03.04	Editorial/Match STD	IEEE Std 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.) Editorial changes were made to the following references:
HAR-310	HAR	PT02	FSAR08	08.03.04	Editorial/Match STD	IEEE Std 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8,3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.) Editorial changes were made to the following references: COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 202 from:
HAR-310	HAR	PT02	FSAR08	08.03.04	Editorial/Match STD	IEEE Skd 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.) Editorial changes were made to the following references: COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 202 from: National Fire Protection Association, "Standard Methods of Tests of Fire Endurance of Building Construction and Materials," NFPA 251, 2006.
HAR-310	HAR	PT02	FSAR08	08.03.04	Editorial/Match STD	IEEE Skd 80-2000, August 4, 2000," Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.) Editorial changes were made to the following references: COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 202 from: National Fire Protection Association, "Standard Methods of Tests of Fire Endurance of Building Construction and Materials," NFPA 251, 2006. To read:
HAR-310	HAR	PT02	FSAR08	08.03.04	Editorial/Match STD	IEEE Std 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.) Editorial changes were made to the following references: COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 202 from: National Fire Protection Association, "Standard Methods of Tests of Fire Endurance of Building Construction and Materials," NFPA 251, 2006. To read: National Fire Protection Association, "Standard Methods of Tests of Fire Resistance of Building Construction and Materials," NFPA 251, 2006.
HAR-310	HAR	PT02	FSAR08	08.03.04	Editorial/Match STD	IEEE Skd 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.) Editorial changes were made to the following references: COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 202 from: National Fire Protection Association, "Standard Methods of Tests of Fire Endurance of Building Construction and Materials," NFPA 251, 2006. To read: National Fire Protection Association, "Standard Methods of Tests of Fire Resistance of Building Construction and Materials," NFPA 251, 2006. COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 203 from: "National Fire Protection Association," Standard for the Storage, Use, and Handling of Compressed Gasses and Cryogenic Fluids in Portable and Stationary
HAR-310 Chapter 9					Editorial/Match STD	IEEE Skd 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.) Editorial changes were made to the following references: COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 202 from: National Fire Protection Association, "Standard Methods of Tests of Fire Endurance of Building Construction and Materials," NFPA 251, 2006. To read: National Fire Protection Association, "Standard Methods of Tests of Fire Resistance of Building Construction and Materials," NFPA 251, 2006. COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 203 from: "National Fire Protection Association, "Standard for the Storage, Use, and Handling of Compressed Gasses and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks," NFPA 55, 2005."
HAR-310 Chapter 9 HAR-673	HAR	PT02	FSAR09	09.0 (all)	Editorial/Match STD	IEEE Skd 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.) Editorial changes were made to the following references: COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 202 from: National Fire Protection Association, "Standard Methods of Tests of Fire Endurance of Building Construction and Materials," NFPA 251, 2006. To read: National Fire Protection Association, "Standard Methods of Tests of Fire Resistance of Building Construction and Materials," NFPA 251, 2006. COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 203 from: "National Fire Protection Association, "Standard for the Storage, Use, and Handling of Compressed Gasses and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks," NFPA 55, 2005." To read: "National Fire Protection Association, "Standard for the Storage, Use, and Handling of Compressed Gases and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks," NFPA 55, 2005."
HAR-310 Chapter 9 HAR-673 HAR-673	HAR HAR	PT02 PT02	FSAR09 FSAR09	09.0 (all) 09.01.04.04	Editorial/Match STD	IEEE Skd 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8,3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.) Editorial changes were made to the following references: COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 202 from: National Fire Protection Association, "Standard Methods of Tests of Fire Endurance of Building Construction and Materials," NFPA 251, 2006. To read: National Fire Protection Association, "Standard Methods of Tests of Fire Resistance of Building Construction and Materials," NFPA 251, 2006. COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 203 from: "National Fire Protection Association, "Standard for the Storage, Use, and Handling of Compressed Gasses and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks," NFPA 55, 2005." To read: "National Fire Protection Association, "Standard for the Storage, Use, and Handling of Compressed Gases and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks," NFPA 55, 2005." Revise last word "on-site" to "onsite".
HAR-310 Chapter 9 HAR-673 HAR-311 HAR-1048	HAR HAR HAR	PT02 PT02 PT02	FSAR09 FSAR09 FSAR09	09.0 (all)	Editorial/Match STD Editorial Editorial/Match STD Editorial/Match STD	IEEE Skd 80-2000, August 4, 2000." Reference 203 is referenced in standard text in Subsection 8.3.2.1.4 with no pointer to list of references. Delete this reference to match VEGP. (Note: This will match VEGP.) Editorial changes were made to the following references: COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 202 from: National Fire Protection Association, "Standard Methods of Tests of Fire Endurance of Building Construction and Materials," NFPA 251, 2006. To read: National Fire Protection Association, "Standard Methods of Tests of Fire Resistance of Building Construction and Materials," NFPA 251, 2006. COLA Part 2, FSAR Chapter 9, Subsection 9A.4, revise Reference 203 from: "National Fire Protection Association, "Standard for the Storage, Use, and Handling of Compressed Gasses and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks," NFPA 55, 2005." To read: "National Fire Protection Association, "Standard for the Storage, Use, and Handling of Compressed Gases and Cryogenic Fluids in Portable and Stationary Containers, Cylinders, and Tanks," NFPA 55, 2005."

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		COLA				
Change ID#	COLA	Part	Chapter	Section	Basis for Change	Change Summary
		Ī				After the first bullet list, add a comma after "testing" such that the paragraph reads "and implemented for the procurement, design, fabrication, installation, inspection,
HAR-313	HAR		FSAR09	09.01.05	Editorial/Match STD	testing, and operation"
HAR-314	HAR	PT02	FSAR09	09.01.05	Editorial/Match STD errata - conformance with	In the third bullet of the second bulleted list, add "end" after "equipment," to match VEGP.
HAR-315	HAR	DT02	FSAR09	09.01.05.03	R-COLA	Third line of first paragraph, add comma after i.e. in parenthetical statement
11/2/2-212	TIM	1102	TOAKOS	03.01.03.03	errata - conformance with	Trino and or mat paragraph, and continua arter i.e. in parentierical statement
HAR-316	HAR	PT02	FSAR09	09.01.05.04	R-COLA	In second paragraph, third bullet, "intervals" should be lower case
		i –				Move last sentence of second paragraph "The overhead heavy load handling program, including system inspections, is implemented prior to receipt of fuel on-site." to
HAR-317	HAR	PT02	FSAR09	09.01.05.04	Editorial/Match STD	separate paragraph after the bullet list and revise "on-site" to "onsite" to match VEGP.
HAR-318	HAR	PT02	FSAR09	09.01.05.05	Editorial/Match STD	Add "fuel" after "irradiated" in the first sentence of Subsection 9.1.5.5 to match VEGP.
]					
ŀ					· '	De la Sullina de la constante
						Revise first three sentences of paragraph with LMA STO COL 9.1-7 to change the verb tense and revise "tests" to "testing" in the third sentence:
						"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. The program will also
				•		include tests to monitor changes in physical properties of the absorber material, including neutron attenuation and thickness measurements."
		1]	to
		1				A spent fuel rack Metamic coupon monitoring program will be implemented when the plant is placed into commercial operation. This program will include tests to
	}	ĺ			ĺ	monitor bubbling, blistering, cracking, or flaking; and a test to monitor for corrosion, such as weight loss measurements and / or visual examination. The program will
HAR-319	HAR		FSAR09	09.01.06	Editorial/Match STD	also include testing to monitor changes in physical properties of the absorber material, including neutron attenuation and thickness measurements."
HAR-320	HAR	PT02	FSAR09	09.01.06	Editorial/Match STD	COLA Part 2, Chapter 9, Subsection 9.1.6, third paragraph, make the last two sentences of the third paragraph a separate paragraph.
					Errata - conformance	Incorporate the Yard Fire Protection System, YFS, into Section 9.2 and Figure 9.2-201 of the FSAR similar to the reference plant COLA. [Changes to 9.2.11 and
HAR-321	HAR	PT02	FSAR09	09.02.	with R-COLA	9.2.11.1.2.1.]
HAR-322	CDI		FSAR09	09.02.08.02.01	Editorial/Match STD	In second sentence of first paragraph 9.2.8.2.1 with LMA of HAR CDI, delete comma after "one chemical addition tank," to match VEGP text.
	DCD		FSAR09 FSAR09	09.02.08.02.02	Formatting	The bolded headings in HAR are not bold in VEGP. Make un-bold to match. The bolded headings in HAR are not bold in VEGP. Make un-bold to match,
HAR-325	DCD			09.02.08.02.03 09.02.09	Formatting Editorial/Match STD	The borded neadings in HARA are not bold in VEGET. Make Un-bord to match. Add heading 9.2.9 WASTE WATER SYSTEM before separator line for Subsection 9.2.9.2.1 to match VEGP text and add to Table of Conents.
HAR-323	БСБ	FIUZ	FOARUS	09.02.09	Editorial/Match 510	Add neading 9.2.9 WASTE WATER STSTEM before Separator line for Subsection 9.2.9.2.1 to match VEGF text and add to Table or Conents.
		1			*	
		1				Subsection 9.2.9.2.2 first two paragraphs revised 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.
		1				The neutralization and settling basins for the waste water treatment system are located west of the HAR 2 and 3 reactor buildings and east of the railroad tracks, at an
		1				lequal distance between HAR 2 and 3. There are two neutralization basins, one for each unit. There is one settling basin shared by both units. Waste water is initially
		ł		·		transferred to the neutralization basins for sampling and treatment as necessary to obtain a releasable effluent. The waste water is then routed to the settling basin to
		l				remove particulates. From there the waste water is pumped to the cooling tower blowdown line where it is ultimately released to the Harris Lake. The neutralization
		į .				basins can be shared between units. Each neutralization basin is sized to intake the maximum possible flow from two units if one basin is out of service. The
		i i		Ì		neutralization basins and the settling basin are lined and constructed such that the contents, dissolved or suspended, do not penetrate the liner and leach into the
		ŀ				ground.
		Ì				The basins are constructed of reinforced concrete walls and continuously poured base mats with no construction joints in the mats or any exterior walls (except a
				l		construction joint with a waterstop may be used at the exterior wall/mat junction) and waterstops at all construction joints to further minimize seepage. The size of the
HAR-326	HAR		FSAR09	09.02.09.02.02	response to H-0701	settling basin provides retention time for settling of solids larger than 10 microns that may be suspended in the wastewater system.
	HAR HAR		FSAR09 FSAR09	09.02.09.02.02 09.02.09.05	LMA Editorial/Match STD	Delete second (duplicate) LMA. Revise heading 9.2.9.5 to "Instrumentation Applications" and update Table of Contents.
	HAR		FSAR09	09.02.11	Editorial/Match STD	Move LMA next to heading for Subsection 9.2.11 to paragraph above.
HAR-329	HAR		FSAR09	09.02.11	Editorial/Match STD	into the control of the state o
HAR-330	HAR .		FSAR09	09.02.13	Separator Line	Add separator line before and after heading 9.2.13 COMBINED LICENSE INFORMATION to match VEGP.
HAR-331	HAR		FSAR09	09.04.01.04	Separator Line	Add separator line before 9.4.1.4 Tests and Inspection
HAR-332	HAR	PT02	FSAR09	09.04.01.04	Editorial/Match STD	Revised first sentence of second paragraph from "The main control room / control support area HVAC" to "The main control room/control support area HVAC"
						COLA Part 2, FSAR Chapter 9, Subsection 9.4.13, add the following statement before the reference:
	l	l		L	I	
HAR-333	HAR	PT02	FSAR09	09.04.13	Editorial	"Add the following information to the end of DCD Subsection 9.4.13:"
HAR-334	HAR	P102	FSAR09	09.05.01.06	Editorial/Match STD	Revise second paragraph from "Subsections 9.5.1.9.1 and 9.5.1.8.7 summarize" to "Subsections 9.5.1.8.2 and 9.5.1.8.7 summarize"
HAR-335	HAR	БТОО	FSAR09	09,05.01.08.01	errata - conformance with R-COLA	Is first paragraph, according delete common between "fuel" and "for"
HAR-335	HAR		FSAR09	09.05.01.08.01.01		In first paragraph, second line, delete comma between "fuel" and "Yor" Add separator line before and delete separator line after heading 9.5.1.8.1.1 Fire Protection Program Criteria.
HAR-337	HAR		FSAR09	09.05.01.08.01.01	Editorial/Match STD	Adus exparation line before and delete separation line after reading 9.5.1.6.1.1 File Protection up with the word exception. This formatting will match VEGP. Make the word Guide go on the next line and move the STD COL 9.5-4 LMA down to line up with the word exception. This formatting will match VEGP.
HAR-338	HAR		FSAR09	09.05.01.08.01.02.a.3.ii		Make "fire fighting" one word: "firefighting".
HAR-339	HAR		FSAR09	09.05.01.08.01.02.a.3.v		Make "coatings" singular ("coating") at the end of the first sentence in 09.05.01.08.01.02.a.3.vi.
HAR-340	HAR		FSAR09		Editorial/Match STD	Make "fire fighting" one word: "firefighting".
HAR-341	HAR		FSAR09	09.05.01.08.01.02.e.1		Add comma after "implementing" in 09.05.01.08.01.02.e.1.
HAR-342	HAR		FSAR09		Editorial/Match STD	Change "assuring" to "ensuring".
HAR-343	HAR		FSAR09	09,05,01,08,01,02.j	Editorial/Match STD	Change "utilizes" to "uses".
HAR-344	HAR		FSAR09	09.05.01.08.01.02.l	Editorial/Match STD	Add comma after "impact on the fire protection program".
HAR-345	HAR		FSAR09			Add comma after "capability".
HAR-346	HAR	PT02	FSAR09	09.05.01.08.01.02.0	Editorial/Match STD	Change "pre-fire" to "prefire".
	السم	DTOC	CO 4 DOO		CANALISM OTE	In first paragraph of 9.5.1.8.2.2 make "fire fighting" one word (two instances) to "firefighting", change "on-site" to "onsite", and delete comma after "plant files for at least
HAR-347	HAR	P102	FSAR09	09.05.01.08.02.02	Editorial/Match STD	three years". In fourth paragraph of 9.5.1.8.2.2 add comma after "portable ventilation equipment" in first sentence and after "emergency repair" in second sentence and change "on-
HAR-348	HAR	ртоз	FSAR09	09,05.01.08.02.02	Editorial/Match STD	In fourth paragraph of 9.5.1.8.2.2 add comma after "portable ventilation equipment" in first sentence and after "emergency repair" in second sentence and change "on-site" to "mostie" in fifth and sixth sentences.
	HAR		FSAR09	09.05.01.08.02.02	Editorial/Match STD	site to offsite in hintri and som sentences. In fifth paragraph add comma after "notification of emergency personnel".
			FSAR09	09.05.01.08.02.02.01		Delete dash ("") in the words on-site and off-site in this section (5 instances) and make "fire fighting" one word (5 instances).
	1.1/313			122,00,01,00,02,02,01	OINSTRUCTION	Peaken aloug 1. Turking trained autome and automorphic anaromorphisms under the utilities. One stond to marginess?

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		COLA				
Change ID#			Chapter	Section	Basis for Change	Change Summary
Change IDF	COLA	rait	Chapter	Section	Dasis for Change	Orienge Summary
HAR-351	HAR .	PT02	FSAR09	09.05.01.08.02.02.01.d	Editorial/Match STD	VEGP uses "-" as builets in 09.05.01,08.02.02.01.d. Replace the bullets with "-" to match VEGP, Add period at the end of the last bullet in the list.
	HAR	PT02	FSAR09	09.05.01.08.02.02.01.d		In the third bullet, add an "s" to make the first occurance of "cable" plural
				09.05.01.08.02.02.01		The last paragraph of Subsection 9.5.1.8.2.2.1 should be labelled "I."
HAR-353	HAR	P102	FSAR09	09.05.01.08.02.02.04	Editorial/Match STD	In first paragraph of 9.5.1.8.2.2.4, change "off-site" to "offsite".
HAR-354	HAR	PT02	FSAR09	09,05,01,08,02,02,04,c	Editorial/Match STD	Add comma after "placement".
I Date Co.	.,, .,	. , , ,	. 0, 11,00	00,00,00,00,02,02,00,0	Landing mater 6 15	And define the parameter.
HAR-355	HAR	PT02	FSAR09	09.05.01.08.02.02.04.d	Editorial/Match STD	Make "fire fighting" one word: "firefighting".
			FSAR09	09.05.01.08.02.02.04.e		Add comma after "procedures" and make "fire fighting" one word: "firefighting".
			FSAR09		Editorial/Match STD	Add comma after "size".
			FSAR09 FSAR09	09.05.01.08.03.c 09.05.01.08.03.e	Editorial/Match STD Editorial/Match STD	Make "fire fighting" one word: "firefighting". Make "fire fighting" one word: "firefighting" (two instances: one in #1 and one in #4).
			FSAR09		Editorial/Match STD	make me ingring one word. Interigrining (two instances), one in #1 and one in #4). Change "pre-fire" to "prefire" (two instances) and change "utilize" to "use" and add period at the end of second sentence.
			FSAR09		Editorial/Match STD	Change 'fire fighting' to 'firefighting', add comma after 'transporting fire suppression', and change 'off-site' to 'offsite'.
			FSAR09	09.05.01.08.04	Editorial/Match STD	Add comma after "Hazardous Materials" in the section heading and update the Table of Contents.
					ептаta - conformance with	
			FSAR09	09.05.01.08.04.d	R-COLA	In subparagraph d., change "by the use of a flame" to "by use of a flame" in the first line.
HAR-364	HAR	PT02	FSAR09	09.05.01.08.04.e	Editorial/Match STD	Add comma after "progress".
. 1						In the first paragraph of Subsection 9.5.1.8.6, revise "utilize" to "use" in the third sentence such that it reads " water-based suppression and supply systems, use the
HAR-365	HAR	DT02	FSAR09	09.05.01.08.06	Editorial/Match STD	guidance of NFPA 72", revise "pre-operational" to "preoperational", and revise "fire retardant" to "fire-retardant", and in the second paragraph of Subsection 9.5.1.8.6, add comma after "seals".
				09.05.01.08.07	Editorial/Match STD	9.5.1.6.0, add comma after seals . Delete "FSAR" to match VEGP text, LMA stays HAR COL 9.5-1.
TIAR-300	TIAN	102	I SAROS	09.03.01.00.07	errata - conformance with	Delete 1 SAN 10 Hidden VEGT lext, LIMA stays HAN COL 5.5-1.
HAR-367	HAR	PT02	FSAR09	09.05.01.08.07	R-COLA	In second paragraph, delete "the" between "governed by" and "plant qualification"
					errata - conformance with	
		PT02		09.05.01.08.08	R-COLA	In second paragraph, third line, change "assure" to "ensure"
				09,05,01,08,09	LMA/Separator Line	Remove separator line before 9.5.1.8.9 and delete the LMA "STD COL 9.5-3" to match VEGP.
				09.05.01.09.01	Editorial/Match STD	Move the horizontal line from below Subsection 9.5.1.9.1 to above 9.5.1.9.1.
				09.05.01.09.01 09.05.01.09.03	Editorial/Match STD Editorial/Match STD	In the third paragraph, add comma after "Training of firefighting personnel is discussed in Subsections 9.5.1.8, 9.5.1.8.2" Add comma after "9.5.1.8.8".
HAR-372	HAK	P102	FSAR09	09,05,01,09,03	errata - conformance with	Add comma after 9.5.1.8.6.
HAR-373	HAR	PT02	FSAR09	09,05,04,05,02	R-COLA	In second paragraph, third line, change "ASTM 4176" to read "ASTM D4176"
				09.05.05		Add comma after "and Use of Fire Hose" in Reference 201 and change "Incident" to "incident" in Reference 205.
HAR-375			FSAR09	09.05.T / T9.5-201	Formatting	Formatting of table: VEGP has a carriage return in the Remarks column following "Comply."
					Formatting	Make #3 left aligned.
				09.05.T / T9.5-201 04.f		Revise "Pre-fire" to "Prefire" to match VEGP.
				09.05.T / T9.5-201 14		Add "Comply." before "The FHA demonstrates" in Remarks column
				09.05.T / T9.5-201 15 09.05.T / T9.5-201 31		Item 15 and 22 Remarks column should point to "Subsection 2.2 and 3.5" not "Subsection 2.2.3 and 3.5". Item 31 Remarks column should point to "Subsections 9.5,1,8,2,2 and 13,1,2,1,6" not "Subsections 9,5,1,8,1,2 and 13,1,2,1,6",
				09.05,T / T9.5-201 230		Delete "Capability is provided," in Remarks column.
				09.05.T / T9.5-202		In the AP1000 Exception of Clarification column revise first row to " identified within DCD Section 9.5.1 and WCAP-15871."
				09A.03.03		Add separator line before and after 9A.3.3 YARD AREA AND OUTLYING BUILDINGS
	HAR	PT02		09A.03.03		Add comma after "access routes for firefighting" in the first sentence. Revise second sentence to "The two hour fire-resistance rating"
						COLA Part 2, FSAR Chapter 9, Subsection 9A.4, add the following statement before the reference:
						COLA Part 2, POAR Grapher 3, Subsection 94.4, and the following Statement before the reference.
HAR-385	HAR	PT02	FSAR09	09A.04	Editorial	"Add the following information to the end of DCD Subsection 9A.4:"
		1				
Chapter 10						
				10.01.03		Revise title in text and TOC to remove an "R" from "ERROSION" to read "COMBINED LICENSE INFORMATION ON EROSION-CORROSION MONITORING"
HAR-387	HAR	P102	FSAR10	10.01,03	Editorial/Match STD Errata - conformance	Revise "Add the following subsections after DCD Subsection 10.1.3." to read "Add the following text at the end of DCD Subsection 10.1.3."
HAR-388	HAR	PTU2	FSAR10	10.01.03.01	with R-COLA	10.1.3.1 first paragraph - "EPRI NSAC 202L" in HAR is "EPRI NSAC-202L" in VEGP. (dash between NSAC and 202L)
			FSAR10	10.01.04	Separator Line	10.1.3.1 Illist paragraph - EFRI NONE 2021. Ill FIAN IS EFRI NONE 2021. Ill VEGF. (Dash berween NONE and 2021) Add a separator line before 10.1.4 REFERENCES
			FSAR10	10.01.04	Editorial/Match STD	Add "Add the following after DCD Subsection 10,1,3:" after the separator line and before 10,1,4 REFERENCES
HAR-392	HAR	PT02	FSAR10	10.01.04	Editorial/Match STD	In Reference 201, revise " (NSAC 202L-R3), Electric Palo Alto CA, 2006" to " (NSAC-202L-R3), Electric Palo Alto, CA, 2006." to match Vogtle.
HAR-393 I	HAR	PT02	FSAR10	10.02.02	Separator Line	Add a separator line before 10.2.2 SYSTEM DESCRIPTION
Т						Delete separator line preceeding the paragraph beginning with "Preoperational and startup tests provide" and add a separator line after the paragraph beginning
	HAR		FSAR10	10.02.02	Separator Line	with "Subsection 3.5.1.3 addresses the probability of generation" to match VEGP.
				10.02.06		Delete "the" in the last sentence before "fabrication of the turbine" to match VEGP. Add conserving the before heading 10, 2,2,3,4 March Stepp Biglion to match VEGP.
				10.03.02.02.01 10.03.02.02.01	Separator Line Editorial/Match STD	Add separator line before heading 10.3.2.2.1 Main Steam Piping to match VEGP. Revise "steam filled" to "steam-filled" in the fifth and seventh bullets under Subsection 10.3.2.2.1.
166-221	I IAN	1 102	JANIU	10.00.02.02.01	Correction to ensure	Revise steam filled to steam-lilled in the first and sevenin builets under Subsection 1.0.3.2.2.1. The second paragraph in the section with the LMA marked as HAR COL 10.4-1 HAR COL 10.4-3 deleted from the HAR COLA page 10.4-5:
						The second paragraph in the section will not a fund market as that one to 10.44 in the Oct 10.44 in the blowdown before d i scharge "Ammonium Bisulfite solution may be injected into the blowdown as required to reduce the oxidant level in the blowdown before d i scharge
HAR-401	HAR	PT02	FSAR10		6.4-201	This change will provide consistency between FSAR sections 6.4 and 10.4 with Table 6.4-201.
HAR-398	HAR	PT02	FSAR10	10.04.02.02.01	Separator Line	Add separator line before heading 10.4.2.2.1 Main Steam Piping to match Vogtle.
HAR-399	HAR		FSAR10	10.04,05,02.02	Editorial/Match STD	In first sentence after "Circulating Water Chemical Injection" heading, delete "system" after "chemical feed" to match VEGP.
	HAR		FSAR10	10.04.05.02.02	Editorial/Match STD	Revise the misspelling "rower" to "tower" in the second sentence under the subheading Circulating Water Chemical Injection" to match Vogtle.

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		COLA	۱	L		
Change ID#	COLA	Part	Chapter	Section	Basis for Change	Change Summary
			l			Revise paragraph with DCD LMA to delete "a" after by from:
1		1	l			"Addition of biocide and water treatment chemicals is performed by a local chemical feed injection metering pumps and is adjusted as required."
l				l		to read:
HAR-402	HAR		FSAR10	10.04.05.02.02	Editorial/Match STD	"Addition of biocide and water treatment chemicals is performed by local chemical feed injection metering pumps and is adjusted as required."
HAR-402	HAR		FSAR10	10.04.05.05	Editorial/Match STD	In the last paragraph of Subsection 10.4.5.5 with a "DCD" LMA remove "DCD" in front of "Chapter 7."
HAR-403	HAR		FSAR10	10.04.07.02.01	Separator Line	Remove separator line before the paragraph beginning with "The oxygen scavenger agent is" and change the "." to "." at the end of the preceeding paragraph.
HAR-405	HAR	P102	FSAR10	10.04,07.02,01	Editorial/Match STD	Revise the first sentence of the third paragraph to add the word "Guidelines" and a closing quotation mark between "Program" and "(Reference 201)".
			l		Correction to ensure	<u> </u>
		l	 	l	consistency with Table	In COL Section 10.4.7.2.1, replace the word "Monoethylamine" with "Morpholine" and delete the word "ammonia." Thie change is recommended to ensure FSAR
HAR-406	HAR	PT02	FSAR10	10.04.07.02.01	6.4-201	Chapter 10 is in agreement with Table 6.4-201. Morpholine is the AP1000 standard and Monoethylamine has not been analyzed to be included in Table 6.4-201.
	l		l	l		
HAR-407	HAR	P102	FSAR10	10.04.12	Editorial/Match STD	Insert Section 10.4.12 COMBINED LICENSE INFORMATION and line separator lines above and below the heading to match Vogtle and update the Table of Contents.
			l	l	I	Revise Reference 201 to add period after "201" and at the end of the reference, and delete comma in the title such that it reads:
HAR-408	HAR	PT02	FSAR10	10.04.13	Editorial/Match STD	"201. Nuclear Energy Institute, "Steam Generator Program Guidelines," NEI 97-06, Revision 2, May 2005."
		L		l	Errata - conformance	
HAR-409	HAR	PT02	FSAR10	10.04.F / F10.4-202	with R-COLA	Update HAR figure 10.4-202 showing a branch off RWS supplying water to the Yard Fire Protection System, YFS, similar to the reference plant COLA
			l			The HAR FSAR Chapter 10 figure revised to show the SDS and WWS influent paths to the CWS blowdown path. The new connections shown as upstream of the
HAR-410	HAR	PT02	FSAR10	10.04.F / F10.4-201	Additional detail	WLS tie-in.
l						
						
Chapter 11						
					Errata - conformance to	
HAR-411	HAR .	PT02	FSAR11	11.02	R-COLA	Revise 11.2 heading title to change "SYSTEM" to "SYSTEMS" and update Table of Contents and FSAR Master Table of Contents.
			1	1	İ	Add the following subsection to the end of FSAR Section 11.2:
				ļ	NPD-NRC-2011-014, H-	REFERENCES
HAR-423	HAR	PT02	FSAR11	11.02	0653 response, Item #2	NEI 08-08A, Generic FSAR Template Guidance for Life Cycle Minimization of Contamination, Revision 0, October 2009 (ML093220445).
			Ì		1	
				1	l	COLA Part 2, FSAR Chapter 11, add new References subsection as Subsection 11.2.6, number the reference 201, and add the following statement before the
i I				i		reference:
HAR-424	HAR	PT02	FSAR11	11.02	Editorial	"Add the following information at the end of DCD Subsection 11.2.6:"
					1	FSAR Subsection 11.2.1.2.4, second paragraph revised from:
		l i	i		1	"The HAR site WLS effluent discharge release point is where the WLS effluent discharge pipe connects to the cooling tower blowdown pipe."
						The read:
					1	"The Liquid Radwaste System (WLS) discharge piping from the Units 2 and 3 Radwaste Building is connected to the Circulating Water System (CWS) blowdown
					1	pipeline within the Exclusion Area Boundary for dilution to meet the release limits of 10 CFR 20 Appendix B, Table II, Column 2. Dilution at this point is supplied
					1	primarily from the circulating water blowdown flow. Where the WLS pipe is routed outside the radwaste building to where it connects to the blowdown pipeline, there are
					1	no valves, vacuum breakers, or other fittings. The WLS discharge piping is monitored for leakage to comply with 10 CFR 20.1406.
					1	The CWS blowdown line is a high density polyethylene single-walled pipe. There are no valves, vacuum breakers, or other fittings in the CWS blowdown pipeline
				İ		between the point where the WLS connects and the effluent discharge point in the Harris Reservoir. The pipe is buried from the cooling towers to the point where the
					NPD-NRC-2011-014, H-	pipe enters Harris Reservoir except where the pipe crosses over HNP Unit 1 emergency service water intake channel. Monitoring for leakage of the CWS blowdown line
HAR-414	HAR	DTA2	FSAR11	11.02.01.02.04	0653 response, Item #1	downstream of the WLS connection is per NEI 08-08A (Reference 201) as described in Appendix 12AA.
HAR-414	HAN	FIUZ	FOARTI	11.02.01.02.04	COSS response, item #1	downstream of the VES connection is per NET 00-00A (Reference 201) as described in Appendix 12AA.
					1	
					1	COLA Part 2, FSAR Chapter 11, Subsection 11.2.1.2.4, revised (to remove the DCD info) from:
						COLA Part 2, 19AA Chapter 11, Subsection 11.2.1.2.4, levised to tentione the DOD find) from:
				· ·	1	11.2.1.2.4 Controlled Release of Radioactivity
			l		1	11.2.1.2.7 Outstolled Acidate of Reducedivity
			ł		1	People the last agreement in DCD Subsection 11.2.1.2.4 with the following information:
			l		1	Replace the last paragraph in DCD Subsection 11.2.1.2.4 with the following information:
			l		1	The monitored radwaste discharge pipeline is engineered to preclude leakage to the environment. This pipe is routed from the auxiliary building to the radwast building
			l		1	(the short section of pipe between the two buildings is fully available for visual inspection as noted above) and then out of the radwaste building to the licensed release
						point for dilution and discharge. The discharge radiation monitor and isolation valve are located inside the auxiliary building. The exterior piping is designed to preclude
			l			inadvertent or unidentified releases to the environment. No valves, vacuum breakers, or other fittings are incorporated outside of buildings. This greatly reduces the
		1			1	potential for undetected leakage from this discharge to the environment at a non-licensed release point, and supports compliance with 10 CFR 20.1406.
		1		1]	
				1		<u></u>
		1			1	{current plant specific supplemental information}
				1	1	To read:
				1	1	
						11.2.1.2.4 Controlled Release of Radioactivity
				1	1	
				1	1	Add the following to the end of DCD Subsection 11.2.1.2.4:
				1	1	•
8591	HAR	PT02	FSAR11	11.02.01.02.04	DCD Rev 18	{current plant specific supplemental information}
		1			Errata - conformance to	
HAR-415	HAR	PT02	FSAR11	11.02.01.02.05.02	R-COLA	Revise the last sentence of the second paragraph in Subsection 11.2.1.2.5.2 from "may be processed" to "is processed".
	HAR			11.02.01.02.05.02	Editorial/Match STD	Revise the last sentence of the second paragraph in Subsection 11.2.1.2.5.2 to remove "the" in front of "liquid."
	HAR			11,02,01,02,05,02	Editorial/Match STD	Revise the first sentence of the third paragraph in Subsection 11.2.1.2.5.2 to add a "s" on "system"
	HAR			11.02.03.05.03	Editorial/Match STD	In the first sentence add a period after "Part 50"
				11.02.03.05.03	Editorial/Match STD	At the end of the second sentence in the paragraph following the bulleted list in 11.2,3.5.3, revise "dose by 100%," to "dose by 100 percent."
1/UNT 10	11/711	1 1 1 1 1 4	. 9/11/11		E-antoniarmaton of D	pricate one or the decome selfconce in the paragraph following the paragraph following the paragraph of the paragraph following the paragraph of the paragraph following the p

					T	
		COLA				
Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
Citarige IS		,				Add a return/blank line after the first sentence in the paragraph following the bulleted list in 11.2.3.5.3, such that the next sentence (beginning with "The analysis used.
HAR-419	HAR	PT02	FSAR11	11,02,03,05,03	Editorial/Match STD	") starts a new paragraph.
HAR-420	HAR			11.02.03.05.03	Editorial/Match STD	in the last paragraph of Subsection 11.2.3.5.3, remove the comma after "Appendix I" to match VEGP.
					Errata - conformance to	
HAR-421	HAR	PT02	FSAR11	11.02.05	R-COLA	11.2.5 – insert horizontal separator line between 11.2.5 and 11.2.5.1
HAR-422	HAR	PT02	FSAR11	11.02.05.02.	Separator Line	Insert a separator line between the two paragraphs to match VEGP.
				11.02.T / T11.2-206,		
HAR-1054	HAR	PT02	FSAR11	11.2-207, 11.2-208	Editorial	Add LMAs "HAR COL 11.2-2" and "HAR COL 11.5-3" to Tables 11.2-206, 11.2-207, and 11.2-208
						Milk production rate for Table 11.3-201 &Table 11.3-204 should utilize the same units. The units of "Vyr" to be used and Table 11.3-201 revised to reflect this unit
HAR-412	HAR			11.03	Misc.	(lower case "I").
HAR-425	HAR			11.03.03.04.03	Editorial/Match STD	Revise title from "Cost Benefit" to "Cost-Benefit" (add hyphen). Also need to update the Table of Contents.
HAR-426	HAR			11.03.03.04.04	Editorial/Match STD	Revise title from "Cost Benefit" to "Cost-Benefit" (add hyphen). Also need to update the Table of Contents.
HAR-427	HAR	PT02	FSAR11	11.03.05	Separator Line	Add separator line after heading 11.3.5, in between each COL item, and at the end of the Subsection 11.3.5.1.
		l			Errata - conformance to	
HAR-428	HAR		FSAR11	11.03.06	R-COLA	11.3.6 - R-COLA shows Reference 201 as "Deleted"
HAR-675	HAR	PT02	FSAR11	11,04,02,04,03	LMA	Change LMA from HAR COL 11.4-2 to HAR COL 11.4-1.
		l				In the HAR FSAR, Subsection 11.5.8, the sentence, "This COL item is addressed in Subsection 11.5.3", revise the letter "i" of the word "item" to "l" of the word "item" to
HAR-413	HAR		FSAR11	11.05	Misc.	make it upper case to be consistent with the Vogtle FSAR.
HAR-429	HAR			11.05.01.02	Separator Line	Delete separator line after heading 11.5.1.2.
HAR-430	HAR			11.05.04.02	Editorial/Match STD	Add a return/blank line after subheading "Analytical Procedures".
HAR-431	HAR	PT02	FSAR11	11,05,04,02	Editorial/Match STD	In the second paragraph after the bulleted list in Subsection 11.5.4.2 under subheading Analytical Procedures revise "sample detector" to "sample-detector".
HAR-713 HAR-714	HAR HAR			11.05.07 11.05.08	DCD Rev 18 DCD Rev 18	Revise Subsection 11.5.7 COMBINED LICENSE INFORMATION to be numbered 11.5.8. Also change Table of Contents (and master TOC). Change Chapter 1, Table 1.8-202, COLA Item 11.5-2 reference from 11.5-7" to "11.5-8" Revise Subsection 11.5.8 REFERENCES to be numbered 11.5.9. Also change Table of Contents (and master TOC). Introductory paragraph should also be changed accordingly to refer to DCD Subsection 11.5.8 rather than DCD Subsection 11.5.7.
HAR-433	HAR	PT02	FSAR11	11.05.08	Editorial/Match STD	In Reference 203 revise "Continuous" to "Continuousty".
HAR-434	HAR	PT02	FSAR11	11.05.T / T11.5-201	Editorial/Match STD	Insert a space between "SR-89" and "and" for a gaseous stream with a filter (particulate) sample medium entry to match VEGP.
Chapter 12				· · · · · · · · · · · · · · · · · · ·	,	
						Editorial changes were made to the following references:
						Revise References 205 and 206 in supplemental response to HAR-RAI-LTR-078 (H-0702) in PEC letter dated January 23, 2012 from:
						205. Progress Energy Carolinas, Inc. (PEC), "Shearon Harris Nuclear Power Plant Annual Radioactive Effluent Release Report: January 1, 2007 to December 31, 2007".
						206. Progress Energy Carolinas, Inc. (PEC), "Shearon Harris Nuclear Power Plant Annual Radioactive Effluent Release Report: January 1, 2010 to December 31, 2010".
						To read:
						205. Progress Energy Carolinas, Inc. (PEC), "Shearon Harris Nuclear Power Plant Annual Radioactive Effluent Release Report: January 1, 2007 through December 31 2007".
HAR-678	HAR	PT02	FSAR12	12.0 (all)	i Editorial	206. Progress Energy Carolinas, Inc. (PEC), *Shearon Harris Nuclear Power Plant Annual Radioactive Effluent Release Report: January 1, 2010 through December 31
					Errata - conformance	
HAR-435	HAR	In-	FSAR12	12,01,02,04,03	with R-COLA	12,1,2,4,3 – introductory sentence should read, *DCD Subsection 12,1,2,4*

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	COLA				
COLA	Part	Chapter	Section	Basis for Change	Change Summary
					2. COLA Part 2, FSAR, Chapter 12, Section 12.2.1.1.10, Miscellaneous Sources, seventh paragraph, Item b, revised to read:
					b) No 10 CFR Part 40 specifically licensed source material, including natural uranium, depleted uranium and uranium hexaftuoride will be received, possessed, or used during this period.
					The following radioactive sources will be used for the Radiation Monitoring System and laboratory/portable monitoring instrumentation:1
					Radioactive Licensee Maximum Quantity That
					Material (Element and Chemical and/or Licensee May Possess
					Mass Number)1 Physical Form ¹ at Any One Time ¹
				ŀ	Any byproduct material Sealed Sources No single source to exceed with atomic numbers 100 millicuries
					with atorine numerics Too immediates 100 inmediates 100 inmediates 110 inmediates
		:			
					Americium-241 Sealed Sources ² No single source to exceed 300 millicuries
					500 millicuries total
			, , , , , , , , , , , , , , , , , , ,	VEGP-VOL-Materials 30-	Notes; 1, This information remains in effect between the issuance of the COL and the Commission's 52,103(g) finding for each unit, and will be designated historical
				12.02 VR1 item 2 SNC	Notes. 1. This imformation remains in effect between the issuance of the COL and the Contribusion's 32, 103(g) liftuing for each unit, and will be designated instituted information after that time.
STD	PT02	FSAR12	12.02.01.01.10	Ltr ND-11-0435	2. Includes calibration and reference sources.
1145	DTOO	F0 4 D 4 0	40.00.04	Editoriol@dotto CED	In the second to last sentence of the third paragraph delete the word "an" such that it reads " identifies radiation exposure gradients in area resulting from identified
					components." In the second paragraph after the bulleted list under the heading "Airborne Radioactivity Surveys" in Subsection 12.3.4 revise "off-site" to "offsite".
1041	1102	, O, a C I E	12.00.07	Supplemental response	
LIAD	DTO	ECAD42	12.04		Replace FSAR Section 12.4 with the revised text and table presented in the supplemental response to HAR-RAI-LTR-078 (H-0702) in PEC letter dated January 23, 2012, Serial NPD-NRC-2012-001.
nar	F 102	FSAR IZ	12.04	(NFD-NRC-2012-001)	
					Add the following paragraphs to the end of Subsection 12.4.1.9.2: In accordance with plant procedures, small amounts of liquid radioactive effluents (below regulatory limits) will be mixed with the cooling water and discharged to Harris
				SUPERCEDED BY NPD-	Reservoir. Construction workers are assumed to use Harris Lake as a drinking water source. PEC maintains USEPA drinking water standards for water taken from
					Harris Lake for use as drinking water at the Harris Site. PEC will continue to maintain drinking water standards for use at the site.
				NPD-NRC-2011-020, H-	Exposure of HAR 3 workers to radioactive liquid effluents due to shared systems was not evaluated because the discharge structure and blowdown piping will be
HAR	PT02	FSAR12	12.04.01.09.02	0662 response, Item #3	completed during HAR 2 construction.
					Revise the first bullet in Subsection 12.4.1.9.3 (to be renumbered Subsection 12.4.1.9.4 per Item 8 in H-0662) from:
					The estimated maximum individual off-site dose due to radioactivity released in the HNP's liquid effluent release pathway was 1.86 E-02 mem per year (mrem/yr), total
	ļ				body; and 2.63 E-02 mrem/yr, GI-LLI (Reference 201). Even if doubled for two operating units (HNP and HAR 2) the doses would be negligible contributors. To read:
			,	677)	Dose to construction workers from the drinking water pathway from HNP is estimated to be equal to 1.24 E-01 mrem (Reference 203). The estimated maximum
нав	DTO2	ESAD12	12 04 01 00 03		construction worker on-site dose due to the drinking water pathway from HAR 2 liquid effluent releases to Harris Lake is 0.7 mrem/yr. Thus, the total estimated construction worker dose due to the drinking water exposure pathway for liquid effluents from both HNP and HAR 2 is approximately 0.8 mrem/yr.
HAIS	102	OAK12	12.04.01.03.03	0002 response, item #1	Consideration worker dose due to the drinking water exposure parisms to riquid cinicinto norm dear that and 1940 2 is approximately 5.5 milestry.
				SUPERCEDED BY NPD-	Revise Subsection 12.4.1.9.3 to delete everything after the first sentence in the third bullet of Subsection 12.4.1.9.3 (to be renumbered Subsection 12.4.1.9.4 per Item
					8 in H-0662) and revise the first sentence from:
				NPD-NRC-2011-020, H-	The direct radiation exposure was based on a 2,080-hour work year and an exposure rate of 11.1 µrem/hr or 24 mrem/yr. To read:
HAR	PT02	FSAR12	12.04.01.09.03	0662 response, Item #4	The direct radiation exposure was based on a 2,080-hour work year and an exposure rate of 14.8 µrem/hr or 31 mrem/yr.
				1	Revise Subsection 12.4.1.9.3 fourth bullet (to be renumbered Subsection 12.4.1.9.4 per Item 8 in H-0662) from:
				SUPERCEDED BY NPD-	per item o in H-0002/ from: The annual collective dose to the construction workforce is estimated to be 72.8 person-rem (that is, the maximum individual dose multiplied by the number of people
				NRC-2012-001 (HAR-	exposed). This estimate assumes 3,150 persons based on 2,080 working hours per year at an exposure rate of 11.1µrem/hr.
					To read: The annual collective dose to the construction workforce is estimated to be 100.2 personrem (that is, the maximum individual dose multiplied by the number of people
HAR	PT02	FSAR12	12.04.01.09.03		In a anitual outcome uses to the Constitution Winners is estimated to be 1002 personient unit is, the manifest of people exposed). This estimate assumes 3,150 persons based on a construction worker dose of 31.8 mrem/yr.
	STD HAR HAR HAR	STD PT02 HAR PT02 HAR PT02 HAR PT02 HAR PT02	STD PT02 FSAR12 HAR PT02 FSAR12	STD PT02 FSAR12 12.02.01.01.10 HAR PT02 FSAR12 12.03.04 HAR PT02 FSAR12 12.03.04 HAR PT02 FSAR12 12.04 HAR PT02 FSAR12 12.04 HAR PT02 FSAR12 12.04.01.09.02 HAR PT02 FSAR12 12.04.01.09.03	VEGP-VOL-Materials 30-40 response to VEGP

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		COLA				
Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
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i l						
						Revise Subsection 12.4.1.9.3 second to last paragraph (the paragraph which immediately follows the bullets) Ito be renumbered Subsection 12.4.1.9.4 per Item 8 in H-0662I from:
		ŀ			1	to be returning subsection 12.4.1.3.4 per tem o in H-vocz from. The largest contributor to the (total effective dose equivalent) TEDE would be the external dose assumed from active HNP operations (24 mrem/yr). Doses from the
		ŀ				liquid and gaseous pathways are considered negligible contributors (well below those specified in 10 CFR Part 50 Appendix I). It is concluded that annual construction
		ŀ			1	worker doses attributable to HNP operations for the proposed construction areas for HAR 2 and 3 are a small fraction of those limits specified in 10 CFR Part 20 and 10
						CFR Part 50 Appendix I.
					SUPERCEDED BY NPD-	To read:
					NRC-2012-001 (HAR-	The largest contributor to the (total effective dose equivalent) TEDE would be the external dose assumed from the active HNP operations (31 mrem/yr). Doses
		ł			677) NPD-NRC-2011-020, H-	contributed by liquid effluents from HNP and HAR 2 provide an additional 0.8 mrem/yr. Doses contributed by gaseous effluents are negligible. It is concluded that annual construction worker doses attributable to HNP operations for the proposed construction areas for HAR 2 and 3 are a small fraction of those limits specified in 10
HAR-442	HAR	PT02	FSAR12	12.04.01.09.03	0662 response, Item #6	annual consultation winter page 3 annual page 17 HT operations for the proposed constitution areas for 17 AC 2 and 3 are 2 annual medical or indeed in the specific in 18 CFR Part 20 and 10 CFR Part 50 Appendix I.
		1 / 4 =				Revise Subsection 12.4.1.9.3 to add the following paragraph to the end of the Subsection:
					SUPERCEDED BY NPD-	It has been assumed that a construction worker exposure time is 40 hours per for 52 weeks. Since construction projects can involve significant overtime for
					NRC-2012-001 (HAR-	construction workers the annual dose to a construction worker could be higher. The dose would be higher in proportion to the amount of time over 40 hours per week. I
					677)	the construction worker worked 60 hours per week for 52 weeks the dose presented in Table 12.4-201 would increase by 50%. However, when compared to the dose
HAR-443	HAR	DT02	FSAR12	12.04.01.09.03	NPD-NRC-2011-020, H- 0663 response, Item #2	limits presented in Table 12.4-201, the dose to the construction worker is still be well below the 10 CFR 20.1301 public dose limit. This would be the case for including the most limiting case of 72 or 84 hours.
11/1/43	HAN	F 102	F SAR 12	12.04.01.05.05	SUPERCEDED BY NPD-	would be the case for incidding the most limiting case of 72 or 64 nours.
					NRC-2012-001 (HAR-	
				İ	677)	
					NPD-NRC-2011-020, H-	
HAR-444	HAR	ВТОЗ	FSAR12	12.04.01.09.03	0662 response, Item number 8	Insert a new subsection 12.4.1.9.3 entitled "Measured Radiation Dose Rates and Liquid/Airborne Concentrations" in between current Subsections 12.4.1.9.2 and 12.4.1.9.3 (current Subsection 12.4.1.9.3 renumbered as Subsection 12.4.1.9.4 and the following subsections renumbering accordingly).
	HAR		FSAR12	12.04.01.09.04	Separator Line	12.4.1.5.3. (current subsection 12.4.1.5.3 returnment as subsection 12.4.1.5.4 and the following subsections returnment accordingly). 12.4.4.3.5.3 (current subsection heading Operating Unit Radiological Surveys
	HAR		FSAR12	12.04.01.09.05	Editorial/Match STD	Add "d" at the end of "discharge" in FSAR Subsection 12.4.1.9.5 to match VEGP Subsection 12.4.1.9.4.5.
						-
					Editorial/Match	Add introductory sentence before heading 12.4.4 as "Add the following new subsection after DCD Subsection 12.4.3", remove the separator line after heading 12.4.4,
HAR-447	HAR	PT02	FSAR12	12.04.04	STD/Separator Line	and delete the LMA for subsection 12.4.4.
						Add new References 202 through 204 to Subsection 12.4.4: 202. Progress Energy Carolinas, Inc., "Shearon Harris Nuclear Power Plant Off-Site Dose Calculation Manual (ODCM)," Revision 17, Docket No. STN-50-400, Progress
		1			SUPERCEDED BY NPD-	Energy Carolinas, 100, Diadoli Hallis Nuclear Fower Flam Office Dose Calculation Manual (ODCM), Revision 17, Docks No. 514-0-0-0, Flogress Energy Carolinas, 100, State 100, 514-0-0-0, Flogress Energy Carolinas, 100, 514-0-0-0-0, Flogress Energy Carolinas, 100, 514-0-0-0-0-0, Flogress Energy Carolinas, 100, 514-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0
		1			NRC-2012-001 (HAR-	203, Progress Energy Carolinas, Inc. (PEC), "Shearon Harris Nuclear Power Plant Annual Radioactive Effluent Release Report: January 1, 2008 through December 31,
		1			677)	2008, 2008.
		1			NPD-NRC-2011-020, H-	204. Nuclear Generation Group, "Area Thermoluminescent Dosimeter (TLD) Monitoring," DOS-NGGC-0010, Revision 7, 2006, Nuclear Generation Group Standard
HAR-448	HAR	P102	FSAR12	12.04.04	0662 response, Item #9	Procedure Volume 99 Book/Part 99, information obtained from the HNP TLD monitoring group via a request for information.
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		i				
					NPD-NRC-2011-020, H-	
HAR-451	HAR	PT02	FSAR12	12.04.F / F12.4-202	0662 response, Item #2	Figure 12.4-202 revised to indicate the quarterly dose at Protected Area Fence TLD#7 and revise the List of Figures
	V.				SUPERCEDED BY NPD-	
1					NRC-2012-001 (HAR-	Revise Table 12.4-201 text under the column heading "Estimated HAR Construction Worker Dose," for total effective dose equivalent from:
1		Į l			677)	*Approximately 24 mrem/yr*
HAR-449	HAR	ртоз	FSAR12	12.04.T / T12.4-201	NPD-NRC-2011-020, H- 0662 response, Item #7	To read: *Approximately 31.8 mrem/yr*
11/1/-449	HAN	F 102	TOANIZ	12.04.17 112.4-201	0002 response, item#7	Revise Table 12.4-201 to include a footnote.
					SUPERCEDED BY NPD-	The text under the column heading "Estimated HAR Construction Worker Dose" for total effective dose equivalent will now read as:
					NRC-2012-001 (HAR-	*Approximately 31.8 mrem/yr(a)*
					677)	The footnote will read as:
HAR-450	HAR	PT02	FSAR12	12.04.T / T12.4-201	NPD-NRC-2011-020, H- 0663 response, Item #1	a) The largest contribution to the TEDE is from the external dose assumed from active HNP operations (31 mrem/yr). Doses contributed by liquid effluents from HNP and HAR 2 provide an additional 0.8 mrem/yr. Doses contributed by gaseous effluents are negligible.
				· ·	1	
	HAR	PT02	FSAR12	12.05.	Editorial/Match STD	Revise heading 12.5 to "HEALTH PHYSICS FACILITIES DESIGN" and update Table of Contents and FSAR Master Table of Contents.
$\overline{}$	HAR		FSAR12	12.05.04	Editorial/Match STD	Revised heading 12.5.4 to "CONTROLLING ACCESS AND STAY TIME" and update Table of Contents.
HAR-454	HAR	P102	FSAR12	12.05.05	Separator Line	Insert separator line before 12.5.5
					Errata - conformance	
HAR-455	HAR	PT02	FSAR12	12AA.5.4.14	with R-COLA	12AA5.4.14, second line, remove "and as"
[E0.4 E : -		Errata - conformance	
HAR-456	HAR	PT02	FSAR12	12AA.5.4.14	with R-COLA	For added reference 201 to NEI 07-03A, add ML number at end: (ML093220445)
HAR-457	HAR	PTO2	FSAR12	12AA.3	Editorial/Match STD	In first sentence of bullet number 3 revise delete the space after "Appendix 12AA" and delete space after "Section" such that it reads " described in Appendix 12AASection12.6 will be fully" to match Vogtle.
	HAR		FSAR12	12AA.5,4.14	Editorial/Match STD	IZAN-occurrit-s will be rully to match vogue. Delete period at the end of the last bullet in Subsection 12AA,5.4.14.
	HAR		FSAR12	12AA.5.4.14	Editorial/Match STD	Delete period at the end of the last build in Subsection 1274.3.4.14. Add comma after "(Reference 201)".
	HAR		FSAR12	12AA.5.4.15	Editorial/Match STD	Add comma after "(Reference 201)".
HAR-461	HAR	PT02	FSAR12	12AA.5.4.15	Editorial/Match STD	Revise numbered item 8 to delete the space following "Accident."" before "4".
	HAR		FSAR12	12AA.5.4.15	Editorial/Match STD	Revise the fourth paragraph to delete the second instance of "the" such that it reads "Add the following reference to NEI 07-03A REFERENCES."
HAR-463	HAR	PT02	FSAR12	12AA.T / T12AA-201	Editorial/Match STD	Delete the space after "Pump/" before "Valve".

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l		COLA				
Change ID#	COLA	Part	Chapter	Section	Basis for Change	Change Summary
Chapter 13		_		<u> </u>	Revision to reflect same	
					organizational structure	
HAR-736	HAR	PT02	FSAR 13	13	as Levy	Change "New Generation Program and Processes" to "New Generation Programs and Projects" throughout the chapter.
					Revision to reflect same organizational structure	Revise the first sentence in the third paragraph to read: "This section describes the proposed organizational positions of a nuclear power station and the interface with
HAR-715	HAR	PT02	FSAR 13	13.01	as Levy	its owner/applicant corporations including their associated functions and responsibilities."
					Revision to reflect same organizational structure	In the second and fourth sentences of the first paragraph revise "Executive Vice President - Corporate Development" to read: Senior Vice President - Corporate
HAR-716	HAR			13.01.01.01	as Levy	Development & Improvement.
HAR-738	HAR	PT02	FSAR 13	13.01.01.01	Editorial Revision to reflect same	Last sentence of 13.1.1.1 on page 13.1-1, remove the dash between "Vice" and "President" for Vice President - New Generation Programs and Projects.
					organizational structure	In the first sentence of the paragraph add a *,* after activities. In the third sentence revise "Executive Vice President - Corporate Development" to read: "Senior Vice
HAR-717	HAR	PT02	FSAR 13	13.01.01.02.02	as Levy	President - Corporate Development & Improvement."
					Revision to reflect same organizational structure	In the last sentence of the paragraph revise "Executive Vice President - Corporate Development" to read: "Senior Vice President - Corporate Development &
HAR-718	HAR	PT02	FSAR 13	13.01.01.03.01.01	as Levy	Improvement.*
					Revision to reflect same organizational structure	to the subscript heading and the first second and third sections of the appropriate Society (for Decident Company) to most "So
HAR-719	HAR	PT02	FSAR 13	13.01.01.03.01.03	as Levy	In the subsection heading and the first, second, and third sentences of the paragraph revise "Executive Vice President - Corporate Development" to read: "Senior Vice President - Corporate Development & Improvement."
			i		Revision to reflect same	•
HAR-720	HAR	PT02	ESAR 13	13.01.01.03.01.04	organizational structure as Levy	In the first sentence of the paragraph revise "Executive Vice President - Corporate Development" to read: "Senior Vice President - Corporate Development & Improvement."
11/41/-720	TIZK	1 102	I OAK 15	10.01,01,00,01,04	143 LOVY	mprovenien.
					Revision to reflect same	
HAR-721	HAR	PT02	FSAR 13	13.01.01.03.01.05	organizational structure as Levy	In the first sentence of the paragraph revise "Executive Vice President - Corporate Development" to read: "Senior Vice President - Corporate Development &
	,	1			Revision to reflect same	
HAR-722	HAR	ртоз	FSAD 13	13.01.01.03.01.06	organizational structure as Levy	In the first sentence of the paragraph revise "Executive Vice President - Corporate Development" to read: "Senior Vice President - Corporate Development & Improvement."
11/11/2/22	HAN	1 102	I OAK 19	10.01.01.00.01.00	as covy	Improvement.
HAR-464	HAR	птоз	FSAR 13	42.04.02	LMA	Remove LMA STD DEP 1.1-1 to match Vogtle.
HAR-465	HAR		FSAR 13		LMA	Remove Link STD DEF 1.1-1 to match vogue. Remove Link HAR COL 13.1-1 from references section.
						COLA Part 2, FSAR Chapter 13, Subsection 13.1.5 add the following information before Subsection 13.1.5:
HAR-466	HAR	PT02	FSAR 13	13.01.05	Editorial	"Add the following information after renumbered DCD Subsection 13.1.4:"
HAR-467	HAR	PT02	FSAR 13	13.01.05	Editorial/Match STD	Revise the end of the references 201 and 203 titles to have the commas before the end quotes.
HAR-468	HAR	PT02	FSAR 13	13,01,05	Editorial/Match STD Revision to reflect same	Revise the end of Reference 202 to have the period before the end quote.
		1			organizational structure	In the org chart under Progress Energy Inc Chairman and CEO revise the block "Executive Vice President - Corporate Development" to read: "Senior Vice President -
HAR-723	HAR	PT02	FSAR 13	13.01.F / F13.1-203	as Levy	Corporate Development & Improvement."
						COLA Part 2, FSAR Chapter 13, Subsection 13.2.2 add the following information before Subsection 13.2.2:
HAR-469	HAR	PT02	FSAR 13	13.02.02	Editorial	"Add the following subsection after DCD Subsection 13.2.1:"
HAR-470	HAR		FSAR 13	13.03	editorial/Match STD	Add period after "reference" at the end of the second sentence of Section 13.3.
HAR-471	HAR	PT02	FSAR 13	13.04	Editorial/Match STD	Revise sentence to read "with the following departures and /or supplements." COLA Part 2, FSAR Chapter 13, Subsection 13.4.2 add the following information before Subsection 13.4.2:
			1		,	
HAR-472	HAR	PT02	FSAR 13	13.04.02	Editorial	"Add the following subsection after DCD Subsection 13,4,1:"
					VEGP-VOL-73.55 Impl response to VEGP 13.06	
9305	STD	ртпэ	FSAR 13	13.04.T / T13.04-201 Item 15	VR2 item 1 SNC Ltr ND- 11-0313	Implementation Milestone: Prior to initial receipt of special nuclear material Implementation Requirement: 10 CFR 73.1(a), 10 CFR 73.67
9305	1310	1 102	FOAK IS		111-0313	Imperiorization requirement to OFA 13.1(a), 10 OFA 13.01
HAR-483	HAR	PT02	FSAR 13	13.04.T / T13.04-201 Item 16	Errata - conformance with R-COLA	Table 13.4-201, Item 16 – for QA Program – Operation, VEGP states it is effective at COL Issuance, HAR says 30 days after COL issuance or prior to construction start – this is HAR-specific (see Chapter 17, 17.1), and needs a LMA for site-specific. Add LMA HAR COL 13.4-1 and horizontal separator lines before and after item 16.
HAR-473	HAR	PT02	FSAR 13	13.04.T / T13.4-201 item 08	Editorial/Match STD	Revise "by-product" to "byproduct" to match Vogtle.
	1.77.11	11.102	1. 3/11 13	1		11 b1b

		T		r	г	
1		COLA				
Change ID#	COLA	Part	Chapter	Section	Basis for Change	Change Summary
		1		13.04.T / T13.4-201	<u> </u>	
HAR-474	HAR	PT02	FSAR 13	Item 10	Formatting	Change Item 10 dashes "-" to be bullets
475				13.04.T / T13.4-201	5 274 - 2 - 1/24 - 4 - 1 - 0 TD	les constructions and a second of the second
HAR-475	HAR	PT02	FSAR 13	Item 10 13.04.T / T13.4-201	Editorial/Match STD	Revise "supervisor" to Supervisor" in the first bullet
HAR-476	HAR	PT02	FSAR 13	Item 10	Editorial/Match STD	Revise "10 CFR 1406" to "10 CFR 20.1406" to match Vogtle.
11/1/17/0	1001	1, 102	I OAK 13	nem ro	Luitonavinatori OTD	Delete dash before "- Monitoring and Assessment" to revise from "
		1				- Effluents and Environmental
		1		13.04.T / T13.4-201		- Monitoring and Assessment" to "
HAR-477	HAR	PT02	FSAR 13	Item 10	Editorial/Match STD	- Effluents and Environmental Monitoring and Assessment"
l		l		13.04.T / T13.4-201		
HAR-478	HAR	PT02	FSAR 13	Item 11 13.04.T / T13.4-201	Editorial/Match STD	Revise "by-product" to "byproduct" to match Vogtle.
HAR-479	HAR	PT02	FSAR 13	Item 14	Editorial/Match STD	Table 13.4-201, Item 14, add LMA HAR COL 13.4-1 next to first two implementation milestones and requirements for Item 14 and add separator line above first implementation milestone and requirement. The rest remain STD COL 13.4-1.
717/11/-7/3	TIPAL	1 102	I OAK IS	13.04.T / T13.4-201	Editorias visitatori O 7 D	Imperioritation filliestone and requirement and below second imperioritation filliestone and requirements. The rest remain of DI COL 10.4-1.
HAR-480	HAR	PT02	FSAR 13	Item 14	Editorial/Match STD	Revise to remove a "." at the end of "fuel" in at the end of middle paragraph to match Vogtle.
				13.04.T / T13.4-201		-
HAR-481	HAR	PT02	FSAR 13	Item 15	Editorial/Match STD	Under Item 15, Security Program, remove "10 CFR 50.34;"
	1			13.04.T / T13.4-201	L	L.,
HAR-482	HAR	PT02	FSAR 13	Item 15 13.04.T / T13.4-201	Separator Line	Add separator line underneath the heading row of the table of sheets 7 and 8.
HAR-484	HAR	PT02	FSAR 13	Item 20	Editorial/Match STD	Add a "," after "App. E" to read "Prior to the conduct of the first full-participation emergency preparedness exercise under 10 CRF Part 50, App. E, Section F.2.a
11/11/1-104	TIAN	1 102	I OAK 13	13.04.T / T13.4-201	Cultonaywalcir or b	Add a , after App. 2. To tead in the telegraph of the first turbandupation emergency prepared is sectioned in the first turbandupation emergency prepared is sectional in the first turbandupation emergency prepared is sectional in the first turbandupation emergency prepared is sectional.
HAR-485	HAR	PT02	FSAR 13	Item 20	Editorial/Match STD	Add period after "20", "21", and "22" to match Vogtle.
HAR-487	HAR	PT02	FSAR 13	13.05	Editorial/Match STD	Add period at the end of the last bulleted list item after "10 CFR 73.58" to match Vogtle.
1						Move "- Fire protection program implementation." to after "- A vendor interface program that provides vendor information for safety related components is incorporated
HAR-486	HAR	PT02	FSAR 13	13.05.01	Editorial/Match STD	into plant documentation."
1					VEGP-VOL-73.55-Impl	2. COLA Part 2, FSAR, Section 13.5.2.2.8, Security Procedures, revised by adding the following paragraph after the current text in this section (retain LMA of STD COL 13.5-1):
l					response to VEGP 13.06	COE 18.5-1).
						The Special Nuclear Material (SNM) Physical Protection Program describes the 10 CFR Part 70 required protection program in effect for the period of time during which
9306	STD	PT02	FSAR 13	13.05.02.02.08	11-0313	new fuel as SNM is received and stored in a controlled access area (CAA), in accordance with the requirements of 10 CFR 73.67.
						1. COLA Part 2, FSAR, Section 13.5.2.2.8, Security Procedures, revised by inserting the following paragraph at the end of this subsection following the new paragraph
		1				that was provided regarding protection of Special Nuclear Material (SNM) prior to 10 CFR 73.55 implementation (retain left margin annotation (LMA) of STD COL 13.5-
		1			VEGP-RAI-LTR-065 S1	1):
					in response to VEGP 13.06-37 VR1 Item 1	The New Evel Chinging Disc addresses the explicable 40 CER 73 57 and instruments in the quantities union district an authorized annual to
9760	STD	DT02	EGAD 13	13.05.02.02.08	SNC Ltr ND-11-0894	The New Fuel Shipping Plan addresses the applicable 10 CFR 73.67 requirements in the event that unimadiated new fuel assemblies or components are returned to the supplying fuel manufacturer(s) facility.
3700	1310	r 102	I SAK IS	13.03.02.02.00	Errata - conformance	the supplying the manufacturers rate in the supplying the manufacturers.
HAR-488	HAR	PT02	FSAR 13	13.05.03	with R-COLA	13.5.3, STD COL 13.5-1 - delete *and Subsection 9.1.5.5*
HAR-489	HAR		FSAR 13	13.05.03	Editorial/Match STD	Revise sentence to read "Information for this COL item is addressed in Section 13.5.
HAR-490	HAR			13.06.01	Editorial/Match STD	Revise 13.6.1 to read "COMBINED LICENSE INFORMATION ITEM" and update Table of Contents.
	HAR		FSAR 13	13.06.01	Editorial/Match STD	Revise the first two sentences to be two separate paragraphs
HAR-492	HAR		FSAR 13	13.06.02	Editorial/Match STD	Add period at the end of Reference 201 and change "Used" to "used" to match Vogtle.
HAR-493 HAR-494	HAR HAR		FSAR 13 FSAR 13	13.07 13.07	Editorial/Match STD Editorial/Match STD	In the first sentence revise order of "(FFD) Program" to "Program (FFD)" to match Vogtle. Add comma after "systems" in the first sentence of the second paragraph.
1011-10-1	11/5/1	1 102	ONK 13	10,07	Errata - conformance	NOT COMMAN AND SYSTEMS IN THE HIST SEMENCE OF THE SECOND PARAGRAPH. STD SUP 13,7-1, at end of 13,7 - rivise to read, "The operations phase FFD program is consistent with the applicable subparts of 10 CFR Part 26 (elements Subpart
HAR-495	HAR	PT02	FSAR 13	13.07	with R-COLA	A – I, N, and O, except for individuals listed in §26.4(b), who are not subject to §§ 26.205 – 209).*
	1					W-1
					Errata - conformance	
HAR-496	HAR	PT02	FSAR 13	13,07	with R-COLA	Insert a horizontal separator line following STD SUP 13.7-1
		1			Consistency with R-	
HAR-497	HAR	PT02	FSAR 13	13.07	COLA	Paragraph before horizontal break line before Section 13.7; Revise to add the term "FSAR" in two places so as get the term "COLA FSAR Subsection"
	l				Consistency with R-	
HAR-498	HAR		FSAR 13	13.07	COLA	Bullet beginning "PGN FFD Program personnel.", add the phrase ", and C per licensee's discretion" in the parentheses.
HAR-1056	HAR	P102	FSAR 13	13.07	Editorial	Bullet beginning "PNG security personnel" change "PNG" to "PGN"
	l .					Revise reference 201 to:
HAR-499	HAR	PT02	FSAR 13	13.07.01	Editorial/Match STD	"Nuclear Energy Institue "Fitness for Duty Program Guidance for New Nuclear Power Plant Construction Sites," NEI 06-06, Revision 5, August 2009 (ML092430016),"
					Revision to reflect same	and the second s
				13AA.01.01.01.02	organizational structure	
HAR-737	HAR		FSAR 13	тос	as Levy	Change Executive VP – Corporate Development to Senior VP – Corporate Development and Improvement.
HAR-500	HAR	IPT02	FSAR 13	13AA.01.01.01.02.03	Separator Line	Insert separator line at end of section to match Vogtle.
Chapter 14						
Sugper 14						Revise "PRELIMINARY / FINAL" to delete spaces and read "PRELIMINARY/FINAL" and update Table of Contents and Master FSAR Table of Contents to match
HAR-501	HAR	PT02	FSAR14	14.01	Editorial/Match STD	Vegite.
					Errata - conformance to	
i	i	i			VEGP R-COLA format	
HAR-502	HAR	PT02	FSAR14	14.02	and content	Insert a horizontal line divider to separate Section 14.2 and Subsection 14.2.1

Change ID# COLA Part Chapte HAR-503 HAR PT02 FSAR1-HAR-504 HAR PT02 FSAR1-HAR-505 HAR PT02 FSAR1-	Section		
Change ID# COLA Part Chapte HAR-503 HAR PT02 FSAR14 HAR-504 HAR PT02 FSAR14			
HAR-503 HAR PT02 FSAR14 HAR-504 HAR PT02 FSAR14			Change Summary
HAR-504 HAR PT02 FSAR14	14.02.01	Basis for Change Editorial/Match STD	Creative Communication of the
HAR-505 HAR PT02 FSAR1	14.02.01	Editorial/Match STD	Revise "(ITP)" to "(ITP)" in second paragraph to match Vogile.
	14.02.01.04	Editorial/Match STD	Revise "add the following text at the end of DCD Subsection 14.2.1.3:" to read "Add the following Subsections after DCD Subsection 14.2.1.3" to match Vogtle.
		Errata - conformance to	
I		VEGP R-COLA format	
HAR-506 HAR PT02 FSAR14	14.02.01.05	and content	Delete redundant LMA "STD COL 14.4-3" to match Vogtle.
l		Consistency with R-	
HAR-507 HAR PT02 FSAR14 HAR-508 HAR PT02 FSAR14	14.02.02.01.05 14.02.02.02	COLA Editorial/Match STD	Make the first 2 sentences in the same paragraph. Does not need to be 2 paragraphs.
HAR-508 HAR PTUZ FSART	14.02.02.02	Errata - conformance to	Revise the thrid paragraph to delete space after "program" such that is reads "The training program/procedures shall include:" to match Vogtle.
1		VEGP R-COLA format	
HAR-509 HAR PT02 FSAR14	14.02.02.03	and content	Remove underlining for Joint Test Work Group in the first line of the first paragraph
			Under "Site Startup Test Group" revise second sentence to read "The primary interfaces for this group are the Licensee's Operations Group and Technical Support
HAR-510 HAR PT02 FSAR14	14.02.02.03	Editorial/Match STD	organizations, as well as the Westinghouse Engineering Organization, Preoperational Testing Team and the"
HAR-511 HAR PT02 FSAR14	14.02.02.04	Editorial/Match STD	Revise first sentence to end with a colon to match Vogtle.
		Errata - conformance to	
l	1	VEGP R-COLA format	
HAR-512 HAR PT02 FSAR14	14.02.02.04	and content	In the first and seventh paragraph, remove underlining for Site Construction Group
		Errata - conformance to VEGP R-COLA format	
HAR-712 HAR PIO2 FSAR14	14.02.02.05	and content	Pamous undedining for the Site Properties of Test Croup in the first and escend pamoraph
POST IZ TIAK PROZ PSAKI	17,02,02,03	Errata - conformance to	Remove underlining for the Site Properational Test Group in the first and second paragraph.
		VEGP R-COLA format	
HAR-513 HAR PT02 FSAR14	14,02,02,06	and content	Remove underlining for Site Startup Test Group in the first and second paragraphs
HAR-514 HAR PT02 FSAR14	14.02.03.01		Revise "Add the following text and subsection at the end of DCD" to read "Add the following text and Subsection at the end of DCD"
HAR-515 HAR PT02 FSAR14	14.02.03.01.02		Add a horizontal separator line prior to 14.2.3.1.2.
HAR-516 HAR PT02 FSAR14	14.02.03.01.03		Add a horizontal separator line prior to 14.2.3.1.3.
HAR-517 HAR PT02 FSAR14	14.02.03.01.04	Separator Line	Add a horizontal separator line prior to 14.2.3.1.4.
HAR-518 HAR Pt 02 FSAR 1			Revise the next to the last sentence to add "(" and ")" around "g" read " NRC issuance of the 10 CFR 52.103(g) finding are"
HAR-519 HAR PT02 FSAR14	14.02.03.01.05		Add a horizontal separator line prior to 14.2.3.1.5.
HAR-520 HAR PT02 FSAR14 HAR-521 HAR PT02 FSAR14	14.02.03.01.05		Revise the first "post-maintenance" to read "postmaintenance"
HAR-521 HAR PT02 FSAR14 HAR-522 HAR PT02 FSAR14	14.02.03.02 14.02.03.02	Editorial/Match STD LMA Placement	Revise "Add the following subsections" to read "Add the following Subsections" Revise LMA STD COL 14.4-4 to be adjacent to 14.2.3.2.1 Review and Approval Responsibilities
MAK-322 MAK F102 F3AKI-	14,02,03,02	Revision to reflect the	Revise LWM 510 COL 14.4-4 to be adjacent to 14.2.5.2.1 Review and Approval Responsibilities
1 1 1		replacement of the	
		generic title of plant	
			For the third paragraph of this subsection, insert horizontal separator lines above and below the paragraph, and add a LMA of HAR COL 14.4-4.
1 1 1 1		specific title of VP-Harris	
HAR-523 HAR PT02 FSAR14	14.02.03.02.01	Nuclear Plant	In addition, add a LMA of STD COL 14.4-4 starting with the text of the fourth paragraph of this section
HAR-524 HAR PT02 FSAR14	14.02.03.02.01		In the third paragraph after the bulleted list revise "Plant Manager" to "plant manager" to match Vogtle.
HAR-525 HAR PT02 FSAR14	14.02.03.02.01		In the last sentence of the third paragraph after the bulleted list revise "test" to "Test" in the RG title to match Vogtle.
HAR-526 HAR PT02 FSAR14 HAR-527 HAR PT02 FSAR14		Editorial/Match STD Editorial/Match STD	Revise the first sentence to make subsections singular. "Add the following subsection" to match Vogtle.
MAR-327 MAR PTOZ FSARTA	14.02,03,03,01		Revise 3) to read "90 days after start of commercial operations" Delete heading 14.2.5 and separator line under it and replace it the following text such that it reads:
			Detect reading 14.2.3 and separator intering and replace it the following text such that it leads.
1 1 1			
1 1 1			Add the following subsections after DCD Subsection 14.2.5:
			Utilization of Operating Experience
l			
HAR-528 HAR PT02 FSAR14	14.02.05	Editorial/Match STD	Adminitrative procedures" to match Vogtle.
HAR-529 HAR PT02 FSAR14	44.00.05.04	Editoriol@totals CTD	Project When the Control Test December 19 and 19 has a COT Design Test December 19 and the day of the Test Design Test December 19 and 19 has a control to the Control to t
HAR-529 HAR PT02 FSAR14 HAR-530 HAR PT02 FSAR14	14.02.05.01	Editorial/Match STD Editorial/Match STD	Revise "Use of OE during Test Procedure Preparation" to read "Use of OE During Test Procedure Preparation" and update the Table of Contents to match Vogtle. Revise first bullet, middle sentence to read " steps to conduct termination is conducted in a safe and orderly manner."
HAR-531 HAR PT02 FSAR14		Editorial/Match STD	Revise "Add the following text and subsection at the end of" to read "Add the following text and subsection at the end of"
HAR-532 HAR PT02 FSAR14			In the last line of the first paragraph, change "off-normal" to "offnormal"
HAR-533 HAR PT02 FSAR14			In the last bullet of the second list revise "SSC" to "SSCs" to match Vogtle,
HAR-534 HAR PT02 FSAR14	14.02.09		Revise the first sentence to delte the colon at the end of the sentence to match Vogtle.
HAR-535 HAR PT02 FSAR14	14.02.09	Editorial/Match STD	Revise the third bullet to add space after "oberability/" such that it remains on the previous line to match Vogtle.
HAR-536 HAR Pt 02 FSAR14		Editorial/Match STD	Revise the last sentence under the subheading Purpose from "Subsections" to "subsections" to match Vogtle.
HAR-537 HAR Pt 02 FSAR14		Editorial/Match STD	Revise the last sentence under the subheading General Test Methods and Acceptance Criteria from "Subsection" to "subsection" to match Vogtle.
HAR-538 HAR Pt 02 FSAR14		Editorial/Match STD	Revise the first bullet under item c) to "Hot leg temperature" to match Vogtle.
HAR-539 HAR Pt 02 FSAR14	14.02.09.02.22	Editorial/Match STD	Add a period at the end of the last bullet under item c) to match Vogitle.
HAR-540 HAR PT02 FSAR14	14.02.09.04.23	Editorial/Match STD	Revise the heading "Off-Site AC Power Systems" to read "Off-site AC Power Systems" to match Vogite and update the Table of Contents.
HAR-541 HAR PT02 FSAR14	14.02.09.04.23	Editorial/Match STD	Revise j. to read "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." to match Vogtle.
HAR-541 HAR PT02 FSAR14		Editorial/Match STD	means such as a QC namepiate check of as built equipment where testing would not be practical or reasible. to match vogue. Delete extra paragraph spacing before, heading 14, 210.4.29 to match Vogte.
HAR-543 HAR PT02 FSAR14	14.02.10.04.29		Detecte extra paragraph spacing before needing 142.210.4.25 to match vogue. Add Line Separator at the end of the section to match Vogue.
HAR-680 HAR PT02 FSAR14	14.03.02.03	LMA	Revise LM from HAR SUP 14.3-1 to STD SUP 14.3-1.
HAR-544 HAR PT02 FSAR14	14.03.02.03	Editorial/Match STD	Revise design commitment heading "Inspections, Tests, Analyses" to read "Inspection, Tests, Analyses"
HAR-681 HAR PT02 FSAR14	14.03.02.03		Remove text after Selection Criteria "- The following are considered when determining what information is included in the SS-ITAAC:"

Change ID# C	COLA	COLA				
	COL A					
		Part	Chapter	Section	Basis for Change	Change Summary
(DAD-040 III	HAR		FSAR14	14.03.02.03.02	Separator Line	Insert Separator Line before 14.3.2.3.2 and delete the separator line after 14.3.2.3.2 heading
						Revise paragraph to read:
		1	ł		1	One additional site-specific system has been determined to meet the ITAAC selection criteria, and ITAAC have been included for the Transmission Switchyard and
		1		ì	<u> </u>	Offsite Power System (ZBS) as indicated in Table 14.3-201. Systems not meeting the selection criteria are subject to the normal functional testing to verify that newly
	HAR		FSAR 14		Editorial/Match STD	designed and installed systems, structures, or components perform as designed." to match Vogtle.
	HAR		FSAR14	14.03.02.03.03	LMA	Revise LMA from HAR SUP 14.3-2 to HAR SUP 14.3-1.
	HAR		FSAR14	14.03.03	Editorial/Match STD	Revise heading to add comma after "3.0" to match Vogtle and update the Table of Contents.
	HAR		FSAR14	14,03,03,01	LMA	Revise LMA from HAR SUP 14.3-3 to HAR COL 2.5-17.
	HAR		FSAR14	14.03.03.02	LMA	Revise LMA from HAR SUP 14.3-4 to HAR SUP 14.3-2.
	HAR HAR		FSAR14	14.03.03.03	Editorial/Match STD	In the last sentence of the first paragraph add comma after "structures" to match Vogtle.
	HAR		FSAR14 FSAR14	14.03.03.03 14.03.03.03	Editorial/Match STD Editorial/Match STD	In the second paragraph revise "resistant" to "restraint" to match Vogtle. In the last sentence of the second paragraph revise "and" to "or" to match Votte.
	HAR		FSAR14	14.03.03.03	Editorial/Match STD	in the last sentence of the second paragraph revise and 10 or to middle the quotes to match Vogtle.
	HAR		FSAR14	14.03.7 / T14.3-201	LMA	in the last sentence of the finite paragraph revise on to one inside the quotes to match vogue. Revise LMA from HAR SUP 14.3-2 to HAR SUP 14.3-1.
	HAR		FSAR14	14.04.05	Editorial/Match STD	Add STD COL 14.4-5 for this paragraph, in addition to HAR COL 14.4-5 already listed.
	IAR		FSAR 14	14.04.06	Editorial/Match STD	Insert Separator Line after 14.04.06 and before paragraph
		1 , , , ,	10/11/14	11,01,00	Latteriagivization	Revise Appendix 144 heading to "DESIGN ACCEPTANCE CRITERIA/ITAAC CLOSURE PROCESS" to delete spaces around "/" to match Vogtle and update the Table
HAR-552 H	HAR	PT02	FSAR14	APP. 14A	Editorial/Match STD	of Contents and the Master FSAR Table of Contents.
		1	, ,,,,,	1		
Chapter 15						
HAR-707 H.	HAR	Pt 02	FSAR 15	15.00.03.02	LMA Placement	Revise LMA to be adjacent to "The plant operating instrumentation selected"
ı					1	COLA Part 2, FSAR Chapter 15, Subsection 15.0.3.2, revised to read:
ŀ		1			i	SOLATI BITZ, TOAK STIBILET 15, SUBSCION 15.5.5.2, TOTISE OF TOBE.
		1				The plant operating instrumentation selected for feedwater flow measurement is a Caldon [Cameron] LEFM CheckPlus System (Reference 201), which will be
						calibrated (in a certified laboratory using a piping configuration representative of the plant piping design) prior to installation and will be tested after installation in the
						plant in accordance the LEFM CheckPlus commissioning procedure. This selected plant operating instrumentation has documented instrumentation uncertainties to
						calculate a power calorimetric uncertainty that confirms the 1% uncertainty assumed for the initial reactor power in the safety analysis bounds the calculated calorimetric
						power uncertainty values. The calculated calorimetric is done in accordance with a previously accepted Westinghouse methodology (Reference 202). Administrative
9253 S	STD	PT02	FSAR15	15.00.03.02		controls implement maintenance and contingency activities related to the power calorimetric instrumentation.
						COLA Part 2, FSAR Chapter 15, Subsection 15.0.3.2, revised to include "with" to read:
					Editorial revision to □	
					VEGP-VOL-CH 15 ACRS	The plant operating instrumentation selected for feedwater flow measurement is a Caldon [Cameron] LEFM CheckPlus System (Reference 201), which will be
						calibrated (in a certified laboratory using a piping configuration representative of the plant piping design) prior to installation and will be tested after installation in the
9303 S	STD	PT02	FSAR15	15.00.03.02	SNC Ltr ND-11-0253	plant in accordance with the LEFM CheckPlus commissioning procedure.
	*				i i	
					Editorial revision to	
i					VEGP-VOL-CH 15 ACRS	
					response to OI 15.00-001	
HAR-553 H.	HAR	PT02	FSAR15	15.00.03.02		COLA Part 2, FSAR Chapter 15, Subsection 15.0.3.2, revised to change "Reference 201" in the first sentence from black type to red type.
	HAR	DT00	504545	45.00.45	errata - conformance to R-	
	HAR		FSAR15 FSAR15	15.00.15 15.00.16		Align LIMA for STD COL 15.0-1 to be adjacent to "This COL item is addressed in" for consistency with R-COLA.
	HAR		FSAR15	15.00.16		Insert separator line after Reference 202.
1/1 000 H	IAL	F102	- OAK 15	15,00.10		In Reference 201, Revise the "," after August 16, 2010 to be a "."
		L		l. .	errata - conformance to R	
			FSAR15	15.06.05.03.07.03		Align LMA for HAR COL 2.3-4 to paragraph consistent with R-COLA
HAR-558 H.	HAR	PT02	FSAR15	15.07.06	Separator Line	Insert separator line after "15.7.6 COMBINED LICENSE INFORMATION" to match Vogtle.
Chapter 16					Ie	· · · · · · · · · · · · · · · · · · ·
	IAD	Inter	COAD40	40.04	Errata - conformance to	Confer 40.4 but for about 1. Post 4.4(b) 400 but for for 14.4 (b) 400 but for for
HAR-559 H	HAR	12102	FSAR16	16.01		Section 16.1, last line, change "Part 4 of this COL application." to "Part 4 of the COL application."
HAR-703 H	HAR		ECAD46	46.04	Editorial - conformance to	Last sentence under 16.1 TECHNICAL SPECIFICATIONS: "Part 4" does not fall on the same line as the Votgle Reference COLA. Maintain "Part 4" on one line.
1AR-/03 [H/	1AK	JP102	FSAR16	16.01	R-COLA	
Chapter 17					****	

	r	r	1	T		
		COLA]			
Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
				Ĭ		Editorial changes were made to the following references:
						Section 17.8, revise References 203, 204, and 205 from:
						203. Sargent & Lundy (S&L) LLC, Nuclear Quality Assurance Program, Topical Report SL-TR-1A. 204. WorleyParsons Resources & Energy, Nuclear Quality Manual, NQM-01.
						205. CH2M HILL Quality Assurance Program, Nuclear Business Group Quality Manual NBG-QA-02-00.
]					İ	and the second s
						To read:
1						203. Sargent & Lundy LLC, Nuclear Quality Assurance Program, Topical Report SL-TR-1A.
l						204. WorleyParsons Resources & Energy, NUCLEAR QUALITY MANUAL, QMP-7008.
						205. CH2M HILL Quality Assurance Program, Nuclear Business Group Quality Manual NU-S02-QUALITY-M.
		l				L · · · · · · · · · · · · · ·
HAR-689 HAR-1039	HAR HAR		FSAR17 FSAR17	17.0 (all) 17.01	Editorial Editorial/Match STD	For Reference 206 change the date from "July 2009" to "August 2010"
HAR-1039	HAR	PIOZ	F5AR17	17.01	EditonavMatch STD	Insert "Replace the information in DCD Section 17.1 with the following information." after the first separator line.
					Changes to allow early	
HAR-1059	HAR	PT02	FSAR17	17.01		FSAR Section 17.1, 2nd paragraph: Add *(HAR)* at the end of the first sentence.
						FSAR Section 17.1, 3rd paragraph: Change the beginning of the first sentence from:
	l			1		L
i	l					Effective during the COL application development through COL issuance,
						To read:
Ī			ŀ	ľ	Changes to allow early	10 read:
HAR-1060	HAR	PT02	FSAR17	17.01		During the COL application phase,
						FSAR 17.1, add a new paragraph after the current 3rd paragraph that reads:
]				
l		i				The Quality Assurance Program Description (QAPD) discussed in Section 17.5 is NGGM-PM-0033, Progress Energy New Nuclear Plant Development Quality
i :		1				Assurance Program Description Topical Report. This is the same document submitted for all Progress Energy COL applications and is intended to be applied to all
l	İ	l				docket numbers identified in the document. This QAPD will become effective following approval of a Progress Energy COL application. With respect to the approved COL, the QAPD will be implemented within 30 days following issuance, or prior to the initiation of quality related activities following COL issuance, whichever is later.
l	l	ŀ				With respect to the remaining COLA, the QAPD may be implemented for COLA development and approval activities rollowing COLA, the QAPD may be implemented for COLA development and approval activities as early as QAPD approval. However, the QAPD
l	l	1			Changes to allow early	will be implemented no later than 30 days following issuance of the applicable COL, or prior to the initiation of quality related activities following COL issuance,
HAR-1061	HAR	PT02	FSAR17	17.01	implementation of QAPD	whichever is later.
						FSAR 17.1, 5th paragraph: Add the following phrase at the end of the first sentence:
HAR-1062	HAR	DTAG	FSAR17	17.01	Changes to allow early	ash o CADO dagaihad is Casting 47.5 dagaiding as what they satisfied as a satisfied
HAR-1062	HAR	PIUZ	FSAR1/	17,01	Implementation of QAPD	or the QAPD described in Section 17.5, depending on when these activities are performed. FSAR Section 17.1, last paragraph: Replace the first sentence with the following:
l	ŀ					TOTAL Section 17.1, last paragraph. Replace the first sentence with the following.
l	İ					The Progress Energy Quality Assurance Program Description Topical Report (NGGM-PM-0033) discussed in Section 17.5 and provided in Part 11 of the COLA will be
					Changes to allow early	implemented for HAR 2 and 3 no later than thirty days following the issuance of the HAR 2 and 3 COL, or prior to the initiation of quality related activities following COL
HAR-1063	HAR	PT02	FSAR17	17.01	implementation of QAPD	issuance, whichever is later.
LIAD FOR		DTOO	E04547	1,704	Errata - conformance to	Light of the state
HAR-560	HAR	1102	FSAR17	17.04	R-COLA	VEGP has a horizontal separator line above and below text adjacent to "STD SUP 17.4-1". Add these separator lines to HAR. Move the last sentence of the first paragraph to be the new second sentence, replacing the current second sentence. The second sentence should then read: "This
HAR-561	HAR	PT02	FSAR17	17.05	Editorial/Match STD	Move the last sentence of the inst paragraph to be the new second sentence, replacing the current second sentence. The second sentence should then read. This QAPD is incorporated by reference (see Table 1.6-201)."
	HAR		FSAR17	17.05	Editorial/Match STD	Near the end of the first paragraph, remove the comma after "Description" and before "(Reference 206)".
HAR-563	HAR		FSAR17	17.06	Separator Line	Add separator line after 17.6 MAINTENANCE RULE PROGRAM.
						Vogtle has two STD LMAs for the first paragraph while Harris only has one. Add STD SUP 17.6-1 to first paragraph. Additionally, the LMA placement revised to align
HAR-564	HAR	PT02	FSAR17	17.06	LMA	with the beginning of the first paragraph.
HAR-565	HAR	P102	FSAR17	17.08	Editorial/Match STD	At the end of Reference 207 add date such that it reads " Revision 0, March 2008."
Chapter 18						
	HAR	PT02	FSAR18	18,02,01,03	Editorial/Match STD	Revise the first word of Subsection 18.2.1.3 from "Insert" to "Add".
HAR-567	HAR		FSAR18	18.06.02	Editorial/Match STD	The quote at the end of the title of Reference 202 revised to an end quote.
HAR-568	HAR	PT02	FSAR18	18,06	Editorial/Match STD	In the last paragraph of Section 18.6 before heading 18.6.1 delete the first instance of "the" in the title of WCAP-14694.
			1			Following Subsection 18.6.2, add the following statement:
HAR-569	HAR	ртоз	FSAR18	18.06.02	Editorial	PANAL No. (Fill with a fall or section of the control COD Subscribes 18 C 2/2
HAR-570	HAR		FSAR18	18.06.02	Editorial Editorial/Match STD	"Add the following information at the end of DCD Subsection 18.5.2:" Revise "Subsection" to "subsection"
HAR-571	HAR	-	FSAR18	18.14	Editorial/Match STD	Revise the second to last paragraph of Section 18,14 to add "of" after "implementation".
II/N~// I	LIVIN .	1: :02	II JAK IO	110,14	Translandaria 210	Inverse are second to lest paragraph of Section 10.14 to 800 of after implementation.
Chapter 19						
						

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Change ID#	COLA		Chapter	Section	Basis for Change	Change Summan
Change ID#	COLA	Pait	Chapter	Secuon	Basis for Change	Change Summary Editorial changes were made to the following references:
						Lational dianges were made to the following references.
		i	ŀ		i	Subsection 19.58.4, revise Reference 203 from:
						Subsection 16.50.4, 18486 Relations 203 Hom.
		l	i			203. Texas Tech University, Wind Science and Engineering Center, "A Recommendation for an Enhanced Fujita Scale (ER-Scale)," June 2004.
	l	l	ŀ	i		200. Fexas feeli Oniversity, which Science and Engineering Center, A Reconstruction for an Enhanced Politic Science (ER-Science, June 2004.
1	l					To read:
	Ī					lo read:
		l				200 Town Tark Halander, Mind Original and Farlancia Courts 44 December 15 to 5 to 5 to 5 to 5 to 5 to 5 to 5 t
		1			Į.	203. Texas Tech University, Wind Science and Engineering Center, "A Recommendation for an Enhanced Fujita Scale (EF-Scale)," June 2004.
		1			ł.	Coherentian de Se de la las las References con Constituires
		í			l	Subsection 19.58.4, revise Reference 205 from:
					1	
			j	ļ	1	205. NUREG/CR-6890, Volume 1, "Reevaluation of Station Blackout Risk at Nuclear Power Plants – Analysis of Loss of Offsite Power Events: 1986-2004."
			1		1	F
			1	İ	1	To read:
	i			ł	1	L
	l				1	205, NUREG/CR-6890, Volume 1, "Reevaluation of Station Blackout Risk at Nuclear Power Plants - Analysis of Loss of Offsite Power Events: 1986-2004," December
l -	l <u> </u>		l	l	I	2005
HAR-691	HAR	PT02		19.0 (all)	Editorial	
HAR-572		PT02	FSAR19	19.58.03	Separator Line	Add separator line after title "19.58.3 CONCLUSION".
l	l	l		1	1	Following Subsection 19.58.4, add the following statement:
I	l	l		1	1 .	
HAR-573	HAR	PT02	FSAR19	19.58.04	Editorial	"Add the following information at the end of Subsection 19.58.4:"
HAR-1057	L			19.58.04	Editorial/Match STD	Add separator line above the heading for Subsection 19.58.4.
HAR-1058		L		19.58.04	Editorial/Match STD	Add separator line below Reference 205 in Subsection 19.58.4.
HAR-574	HAR	PT02	FSAR19	19,59,10,05	Editorial/Match STD	Revise "plant specific" to "plant-specific" (2 instances) in the first paragraph following the numbered list in Subsection 19.59,10.5.
			I			Revise "Plant-specific" to "Plant specific" at the beginning of the 2nd sentence in the third paragraph following the numbered list in Subsection 19.59.10.5. Note that
HAR-575	HAR	PT02	FSAR19	19.59.10.05	Editorial/Match STD	the second use of the term "plant-specific" in this same sentence should remain as is, including the hyphen.
		PT02	FSAR19	19.59.10.05	Editorial/Match STD	Delete comma after "Floods" in the second paragraph following the numbered list in Subsection 19.59.10.5.
		1	1			Add comma in after "(DCD Section 19.59" at the end of the paragraph with LMA STD COL 19.59.10-5 such that it reads " EPRI NP-4354 (DCD Section 19.59,
HAR-577	HAR	PT02	FSAR19	19,59,10.05	Editorial/Match STD	Reference 3),"
			FSAR19	19.59.10.05	LMA	Change LMA in the last paragraph of this subsection from STD COL 19.59-1 to STD COL 19.59.10-5 to match Vogtle
	HAR		FSAR19	19,59,10.06	LMA	Change LIMA to STD SUP 19,59-1 to match Vogile
			FSAR19	19.59.10.06	Editorial/Match STD	Orienting E.Win Lib 2007 13-397 In Manual Volume Delete a comma after "renewal" in the second bullet under the heading Schedule for Maintenance and Upgrades of the PRA.
			FSAR19	19.59.10.06	Editorial/Match STD	
						Change ":" to "." just before the heading Process for Maintenance and Upgrades of the PRA.
			FSAR19	19.59.10.06	Editorial/Match STD	The bulleted list items under heading PRA Quality Assurance should not be bulleted.
HAR-583	HAR	P102	FSAR19	19.59.10.06	Editorial/Match STD	Change "Subsection 17.4" to "Section 17.4" under heading PRA Input to the Regulatory Treatment of Nonsafety-Related Systems Programs.
				l		Revise first sentence from "Add the following text to the end of DCD Subsection 19.59.11." to "Add the following to the end of DCD Subsection 19.59.11.". Delete the
HAR-584	HAR	PT02		19.59.11	Editorial/Match STD	word "text" and change the colon to a period at the end of the sentence.
HAR-585	HAR	P102	FSAR19	19.59.11	Note	Vogtle does not have a comma after first "NEI 99-02"; the comma should remain after the second "NEI 99-02".
				ļ		
			L	<u> </u>	<u>L.</u>	
PT03		,				
		<u> </u>				
l		l				Section 1.1.7 revised to read:
l		l				Overall construction and pre-construction activities specific to HAR are expected to take at least 10 years. Pre-construction activities include long-lead infrastructure
		l	1			work, such as raising the level of Hams Lake and planned transportation infrastructure upgrades to accommodate construction traffic. Then, primary HAR site
		l	l]	NPD-NRC-2011-030	preparation activities and plant pre-construction activities will take approximately 18 months to complete. On-site construction activities for Unit 2 will take approximately
l i		I	l		response to H-0655 Item	3 to 4 more years, followed by 6 months of startup testing. On-site construction activities for Unit 3 will take about as long as Unit 2 and start a year or two later. The
HAR-586	HAR	PT03	ER01	01.01.07]1	actual construction and operation schedules are provided in FSAR Section 1.1.5.
		I			401/404 enviromental	
HAR-692	HAR	PT03	ER01	01.01.F / F1.1-1	permit consistency Item	Plant layout has been revised.
HAR-693	HAR	PT03		01.02.T / T1.2-1	Editorial correction	Table 1.2-1: On page 1-10, add "Section 404 Permit" to the blank space under the "Permit/Authorization" column for the sixth row, "USACE Water".
					401/404 enviromental	, and the second
HAR-694	HAR	PT03	ER02	02.00.F / F2.0-1	permit consistency Item	Plant layout has been revised,
		1	<u> </u>		401/404 enviromental	
HAR-695	HAR	PT03	FR02	02.00.F / F2.0-2	permit consistency Item	Makeup pipeline route has been revised.
		1		DE, U.V.1 / 1 E.U-Z	401/404 enviromental	Indicas persons to the south to thou.
HAR-696	HAR	PT03	EBN2	02.00,F / F2.0-3	permit consistency Item	Plant lavout has been governd
11/11/-030	LIME	1.103	L102	02.00.F / F2.0-3	NPD-NRC-2011-070, H-	Plant layout has been revised.
HAR-587	HAR	PT03	 ED02	02.00 5 / 52.0.4	0661 response	Figure 2.0.4 Makeum Water Bineline System mylead as about in Attachment 2.4.4.0 to NDD NDC 2044 270 (1.4504)
HAK-JA/	HAR	F103	I RUZ	02.00.F / F2.0-4	10001 response	Figure 2.0-4, Makeup Water Pipeline System revised as shown in Attachment 3.1-1G to NPD-NRC-2011-070 (H-0661).
			I			
			l		401/404 enviromental	
HAR-588	HAR	PT03	ER02	02.00.F /. F2.0-4	permit consistency Item 4	The figure shows the alignment of the makeup water pipeline. The alignment of the pipeline has been revised.
		1	I		401/404 enviromental	
		l	I		permit consistency Item	The figure shows the intake structure extending out into the Cape Fear River channel and paralleling the Buckhorn Dam. The intake has been moved farther upstream
HAR-589	HAR	PT03		02.00,F / F2.0-5	5A	of the dam. The figure also shows the alignment of the U2/U3 blowdown pipeline which is revised.
HAR-942	HAR	PT03	ER02	2.2.2	Editorial	Remove "for 2011 " from 2nd sentence of 2nd paragraph such that sentence reads "An eighth line is planned".
		I			401/404 enviromental	
HAR-697	HAR	PT03	ER02	02.02.F / F2.2-1	permit consistency Item	Makeup pipeline route has been revised.
			ľ		401/404 enviromental	
HAR-698	HAR	PT03	ER02	02.02.F / F2.2-2		Makeup pipeline route has been revised.
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Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
HAR-699	HAR	PT03	ŀ	02.02.F / F2.2-3	401/404 enviromental permit consistency Item	Transmission lines have been revised.
HAK-699	HAR	P103	ERUZ	02.02.7 7 72.2-3	permit consistency item	Transmission lines have been revised.
				1	401/404 enviromental	Paragraph on Page 2-17 identifies the intake channel in the Cape Fear River as part of the makeup water system. The channel has been replaced with an intake
HAR-590 HAR-1219	HAR HAR	PT03		02.03	permit consistency Item 1 Editorial	Structure. Replaced reference with correct one - 2.3-049
11/11-12 13	nan	F 103	ERUZ	02.03	Editorial	Subsection 2.3.1.2.1.1, "Dam and Appurtenance," revise the last sentence of the second paragraph:
					NDD NDG 0044 074 11	The proposed spillway designcrest at 67.1 m (220 ft.) NGVD29.
					NPD-NRC-2011-071, H- 0646 response, ER Item	To read: The proposed spillway design for the Main Dam includes raising Main Dam ogee spillway crest from elevation 67.1 m (220 ft.) NGVD29 to elevation 73.2 m (240 ft.)
HAR-601	HAR	PT03		02.03.01.02.01.01	1	NGVD29 and providing an emergency spillway with a crest elevation of 74.3 m (243.7 ft.) NGVD29 and a crest length of 172.2 m (565 ft.).
HAR-1242	HAR	PT03	ER02	02.03.02.03.02	Editorial	Revise he stormwater drainage information for consistency.
				· ·	401/404 enviromental	
HAR-591	HAR	PT03	ER02	2.03.02.01	permit consistency Item 2	Paragraph identifies the makeup water system to include an intake channel. The intake channel has been replaced with an intake structure.
HAR-1011	HAR	PT03	EDO2	02.03.F / F2.3-34	401/404 enviromental permit consistency Item	Makeup pipeline route has been revised.
MAK-1011	HAK	F 103	CRUZ	02.03.F7 F2.3-34	401/404 environmental	makeup pipeline route has been reviseu.
HAR-1012	HAR	PT03	ER02	02.03.F / F2.3-35	permit consistency Item	Plant layout has been revised.
HAR-700	HAR	PT03	ER02	02.03.F / F2.3-2	401/404 enviromental permit consistency Item	Plant layout, blowdown have been revised.
		1 1 1			401/404 enviromental	
HAR-592			ER02	00 00 5 / 50 0 0	permit consistency Item	
HAR-592	HAR	PT03	ERUZ	02.03,F / F2.3-2	5B 401/404 enviromental	The figure also shows the alignment of the U2/U3 blowdown pipeline alignment. The pipeline alignment has been revised.
HAR-1000	HAR	PT03	ER02	02.03.F / F2.3-3	permit consistency Item	The makeup water pipeline comidor needs to be revised.
					401/404 enviromental permit consistency Item	
HAR-593	HAR	PT03	ER02	02.03.F / F2.3-3	5C	The figure also shows the alignment of the U2/U3 blowdown pipeline alignment. The pipeline alignment has been revised.
					401/404 enviromental	
HAR-594	HAR	PT03	FR02	02.03.F / F2.3-13	permit consistency Item 6A	The figure shows the makeup water pump house and makeup water pipeline alignment. The pipeline alignment has been revised.
10/1/ 004	1000	1100	LINGE	02.00.1 112.0 10	401/404 enviromental	The ignited with the manager value pump reduce and manager water pipeline anguinera. The pipeline anguinera anguinera tree pump reduce and reduces.
		PT03		00 00 5 / 50 0 45	permit consistency Item	The first beautiful and beautiful and beautiful and beautiful and the second and
HAR-595	HAR	P103	ERUZ	02.03.F / F2.3-15	401/404 enviromental	The figure shows the makeup and blowdown water pipeline alignments, These pipeline alignments have been revised.
					permit consistency Item	
HAR-596	HAR	PT03	ER02	02.03.F / F2.3-16	6C 401/404 enviromental	The figure shows the makeup and blowdown water pipeline alignments. These pipeline alignments have been revised.
HAR-1001	HAR	PT03	ER02	02.03.F / F2.3-17	permit consistency Item	Plant layout has been revised.
UAD 4000		птоо	5000	00.00 5 / 50.004	401/404 enviromental	Note the season of seasons and
HAR-1002	HAR	PT03	ER02	02.03.F / F2.3-21	permit consistency Item 401/404 environmental	Plant layout has been revised.
HAR-1003	HAR	PT03	ER02	02.03.F / F2.3-22	permit consistency Item	Plant layout has been revised.
HAR-1004	HAR	PT03	ER02	02.03.F / F2.3-23	401/404 enviromental permit consistency Item	Plant layout has been revised.
11AK-1004	IIAN	103	LINUZ	02.03.1 712.3-23	401/404 enviromental	riant ayout nas been revised.
HAR-1005	HAR	PT03	ER02	02,03,F / F2,3-24		Plant layout has been revised.
HAR-1006	HAR	PT03	ER02	02.03.F / F2.3-25	401/404 enviromental permit consistency Item	Plant layout has been revised.
					401/404 enviromental	
HAR-1007	HAR	PT03	ER02	02.03.F / F2.3-26	permit consistency Item 401/404 environmental	Plant layout has been revised.
HAR-1008	HAR	PT03	ER02	02.03.F / F2.3-27	permit consistency Item	Plant layout has been revised.
			5000	00 00 5 / 50 0 00	401/404 enviromental	
HAR-1009	HAR	PT03	ER02	02.03.F / F2.3-28	permit consistency Item 401/404 enviromental	Plant layout has been revised.
HAR-1010	HAR	PT03	ER02	02.03.F / F2.3-29	permit consistency Item	The figure revised to include latest revisions of GA, grading and drainage and temporary construction facilities drawings.
				l	401/404 anvironmental	Demonstration the intellegation to be intelled immediately unattened of the Buckham Dom with a reference to Figure 2.4.5. The intellegation is the intellegation of the Buckham Dom with a reference to Figure 2.4.5.
HAR-597	HAR	PT03	ER02	02.04.01.03	401/404 enviromental permit consistency Item 3	Paragraph identifies the intake structure to be installed immediately upstream of the Buckhom Dam with a reference to Figure 2.4-5. The intake structure has been located farther upstream of the dam.
Ĭ					401/404 enviromental	
HAR-1013	HAR	PT03	ER02	02.04.01.04	permit consistency Item	Paragraph on page 2-282 describes the lake makeup water system corridor and references Figure 2.4-6. Description revised based on latest ESS figures. Modify 2nd sentence of 1st paragraph such that it reads "These seven transmission line, along with an eighth planned line, will also connect HAR 2 through the HNP
HAR-941	HAR	PT03	ER02	02.04.01.05	Editorial	common expanded switchyard to the PEC electrical grid".
114.0.047		STOR	FD00		Editorial for consistency	Surface area of main reservoir and aux different than rest of ER; check references; surface area of main reservoir should be 1460 ha (3610 ac.); aux should be 146 ha
HAR-947	HAR	PT03	EKU2	02.04.02.01	in ER	(360 ac.) Remove "most recent" from 3 locations in this section: (1) 1st sentence should end with "agency's 2004 Basinwide Assessment Report", (2) "most recently" should be
HAR-943	HAR	PT03	ER02	02.04.02.01.02	Editorial	removed from 2nd sentence, and (3) last sentence of 2nd paragraph should begin "The 2004 monitoring report confirms"
HAR-1118	HAR	PT03	ER02	02,04,02,02	401/404 enviromental permit consistency Item	Add sentence to end of 1st paragraph that reads "Wetland types were determined based on field observations."
11AU-1110	II/AR	103			401/404 enviromental	And sentence to one or rat paragraph that redus TYPedativity types were determined dased on held dustrial.
HAR-1119	HAR	PT03	ER02	02.04.02.02	permit consistency Item	2nd paragraph reference changed (referenced initial biological report and not reports listing JDs). Reference should be 2.4-040.

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		COLA				· · · · · · · · · · · · · · · · · · ·
Change ID#	COLA	Part	Chapter	Section	Basis for Change	Change Summary
					401/404 enviromental	Last sentence of 2nd paragraph should read "Approximately 82 ha (204 ac.) of wetlands occurring outside the current reservoir fringe would be inundated by increasing
HAR-1120	HAR	PT03	ER02	02.04.02.02	permit consistency Item	the pool level to 73.2 m (240 ft.)."
1					401/404 enviromental	Change 9th paragraph to reflect the actual JD wetlands. This paragraph should read "In the area between the 67- and 73.2-m (220- and 240-ft.) contours surrounding
HAR-1121	HAR	PT03	ER02	02.04.02.02	permit consistency Item	Harris Reservoir, a total of 77 ha (190 ac.) of forested and herbaceous wetlands were determine to exist by the jurisdictional delineations (Reference 2.4-040)."
1 1						Change beginning of 2nd paragraph to read "The ROW crosses 5 streams and contains two wetlands. Three of these streams are perennial, two are intermittent, and one has perennial and intermittent sections (Table 2.4-12). The stream lengths included in Table 2.4-12 are the length of the streams delineated in the field and
				· ·	401/404 enviromental	therefore bound the potential impacts of the waterline. The actual impacts will be less than those included in Table 2.4-12. In addition, the ROW crosses two additional
HAR-1122	HAR	PT03	ER02	02.04.02.04.01	permit consistency Item	streams that will be flooded when the elevation of Hams Lake is raised." Continue on with remaining information on the wetlands.
					401/404 enviromental	Add the following to end of 2nd paragraph. "In addition, the ROW contains one other herbaceous wetland that will be flooded when the elevation of Harris Lake is
HAR-1123	HAR	PT03	ER02	02.04.02.04.01	permit consistency Item NPD-NRC-2011-070, H-	raised."
HAR-598	HAR	PT03	ER02	02.04.F / F2.4-4	0661 response	Figure 2.4-4, Significant Natural Areas revised as shown in Attachment 3.1-1H to NPD-NRC-2011-070 (H-0661).
					401/404 enviromental	The figure shows the location of the makeup water intake structure and pipeline alignment. The intake structure location has been moved and the pipeline alignment
HAR-599	HAR	PT03	ER02	02.04.F / F2.4-5	permit consistency Item 7	has been revised.
					401/404 enviromental	
HAR-600	HAR	PT03	ER02	02.04.F / F2.4-6		The figure shows the makeup water pipeline alignment. The pipeline alignment has been revised.
					401/404 enviromental	
HAR-1014	HAR	PT03	ER02	02.04.F / F2.4-7	permit consistency Item 401/404 enviromental	Transmission lines have been revised.
HAR-1015	HAR	PT03	ER02	02.05.02.08	permit consistency Item	Section on page 2-364 discusses the road impacts and the plant access road. This subsection revised based on the ESS figures for access road and figures for road modifications.
	HAR	PT03		02.07.04.01.07	Editorial	2nd paragraph - this is approximately 99 perent increase in surface area and not 72 percent
					401/404 enviromental	
HAR-1016	HAR		ER02	02.07.F / F2.7-24	permit consistency Item	Plant layout has been revised.
HAR-1220	HAR	PT03	ERU2	02.08.01	Editorial 401/404 enviromental	remove reference to 2011 for planned transmission line Section 02.08.02 discusses the proposed road and highways impacts and improvements as a well as the plant access road. This subsection revised based on the ESS
HAR-1203	HAR	PT03	ER02	02,08,02	permit consistency Item	figures and 404 permit for access road and figures for road modifications.
		1				Following new reference added:
LUAD 4000	LIAD	DT00	ED02	00.00	401/404 enviromental	Constability to the Melana Water Interest Described and Albertain
HAR-1200	HAR	PT03	ER03	03.00	permit consistency Item 401/404 environmental	Sargent & Lundy, LLC, "Lake Makeup Water Intake and Pumphouse – Study of Alternatives," Report No. HAG-XK01-GER-005, REV 0, June 22, 2011.
HAR-1110	HAR	PT03	ER03	03.01.04.01	permit consistency Item	Remove all references to intake channel; include short description of proposed intake structure based on S&L document, if appropriate
					401/404 enviromental	Remove "immediately" from 2nd sentence of the 5th paragraph such that sentence reads "The intake structure will be constructed upstream of the Buckhom Dam
HAR-1111	HAR	PT03	ER03	03.01.04.01	permit consistency Item	within the Cape Fear River main channel. Ensure figure updated to show new location of intake structure.
HAR-1017	HAR .	PT03	ER03	03,01.F / F3.1-3	401/404 enviromental permit consistency Item	Plant layout has been revised.
1000		1 190		,	401/404 enviromental	I ham beyon the book to the bull.
HAR-1018	HAR	PT03	ER03	03.01.F / F3.1-4	permit consistency Item	Plant layout has been revised.
HAR-1112	HAR	PT03	ER03	03.02.06.02	401/404 enviromental permit consistency Item	Community of the commun
MAR-1112	HAR	F103	ERUS	03.02.06.02	401/404 enviromental	Remove all references to intake channel; include short description of proposed intake structure based on S&L document, if appropriate Remove "immediately" from 2nd sentence of 5th paragraph such that sentence reads "The intake structure will be constructed upstream of the Buckhorn Dam within
HAR-1113	HAR	PT03	ER03	03.02.06.02	permit consistency Item	the Cape Fear River main channel. Ensure figure updated to show new location of intake structure.
					401/404 enviromental	
HAR-1114	HAR	PT03	ER03	03.03	permit consistency Item 401/404 environmental	Remove all references to intake channel; include short description of proposed intake structure based on S&L document, if appropriate Remove "immediately" from 2nd sentence of 5th paragraph such that sentence reads "The intake structure will be constructed upstream of the Buckhom Dam within
HAR-1115	HAR	PT03	ER03	03,03	permit consistency Item	he nove influence of the service of the property of the cape Feer River main channel. Ensure figure updated to show new location of intelligent structure.
					401/404 enviromental	
HAR-1103	HAR	PT03	ER03	03.04.01.01	permit consistency Item	Remove all references to intake channel; include short description of proposed intake structure based on S&L document
HAR-1116	HAR	PT03	ER03	03.04.01.01	401/404 enviromental permit consistency Item	Remove "immediately" from 2nd sentence of 8th paragraph such that sentence reads "The intake structure will be constructed upstream of the Buckhorn Dam within the Cape Fear River main channel. Ensure figure updated to show new location of intake structure.
				20,0 7,0 1,0 1	401/404 environmental	Remove reference to intake channel in 3rd paragraph, 4th paragraph, and 6th paragraph; location of intake structure in 5th paragraph; provide I information in section
HAR-1104	HAR	PT03	ER03	03.04.02.01.01.06	permit consistency Item	on intake structure based on S&L report. Add reference to S&L report
HAR-1117	HAR	PT03	ER03	03.04.02.01.01.06	401/404 enviromental	Remove "immediately" from 2nd sentence of 5th paragraph such that sentence reads "The intake structure will be constructed upstream of the Buckhorn Dam within the Cape Fear River main channel. Ensure figure updated to show new location of intake structure.
	HAR	PT03		03.07.01.01	permit consistency Item Editorial	ine Cape rear River main Chainnet. Ensure rigure upoaceted to snow new location of intake structure. Remove "for 2011" from 2nd sentence of 3rd paragraph.
	HAR	PT03		03.07.01.01	Editorial	Remove "in 2011" from 2nd sentence of 4th paragraph.
l T					401/404 enviromental	
HAR-1019	HAR	PT03	ER03	03.07.F / F3.7-1	permit consistency Item 401/404 enviromental	Transmission lines have been revised.
HAR-1020	HAR	PT03	ER03	03.07.F / F3.7-2		Transmission lines have been revised.
					401/404 enviromental	
HAR-1021	HAR	PT03	ER03	03.07.F / F3.7-3	permit consistency Item	Transmission lines have been revised.
						Section 4.0, Environmental Impact of Construction, second set of bullets, last sentence in the second to last bullet: The proposed spillway design for the Main Dam crest at 67.1 m (220 ft.) NGVD29.
					NPD-NRC-2011-071, H-	The proposed spinway design for the Main Dam
1						The proposed spillway design for the Main Dam includes raising Main Dam ogee spillway crest from elevation 67.1 m (220 ft.) NGVD29 to elevation 73.2 m (240 ft.)
HAR-602	HAR	PT03	ER04	04.00	2	NGVD29 and providing an emergency spillway with a 172.2 m (565 ft.) long crest at elevation 74.3 m (243.7 ft.) NGVD29.
HAR-1022	HAR	PT03	ER04	04,00.F / F4.0-01	401/404 enviromental permit consistency Item	The figure revised to include latest revisions of makeup water nineline and blowdows sinaline
11/AR-1022	IAN	1100	LITUT	U7.UU.F / F4.U-U1	permit consistency item	The figure revised to include latest revisions of makeup water pipeline and blowdown pipeline.

						
		COLA	1			i i i i i i i i i i i i i i i i i i i
Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
					401/404 enviromental	The figure revised to include latest revisions of GA drawing and temporary construction facilities drawing.
HAR-1023	HAR	PT03	ER04	04.00.F / F4.0-02	permit consistency Item	
HAR-1024	HAR	PT03	ER04	04.00.F / F4.0-03	401/404 enviromental permit consistency Item	The figure revised to include latest revisions of GA drawing and temporary construction facilities drawing.
117(1024	(IAIX	1 103	12.1.04	04.00.1 71 4.0-03	401/404 enviromental	The figure revised to show latest revisions of makeup water pipeline.
HAR-1025	HAR	PT03	ER04	04.00.F / F4.0-04	permit consistency Item	
					401/404 enviromental	The figure revised to show latest revisions of intake structure and makeup water pipeline.
HAR-1026	HAR	PT03	ER04	04.00.F / F4.0-05	permit consistency Item NPD-NRC-2011-070, H-	
HAR-603	HAR	PT03	ER04	04.00.F / F4.0-10	0661 response	Figure 4.0-10, HAR Blowdown Pipeline revised as shown in Attachment 3.1-1B to NPD-NRC-2011-070 (H-0661).
					401/404 enviromental	
1					permit consistency Item	<u></u>
HAR-604	HAR	PT03	ERU4	04.00.F / F4.0-10	12 401/404 enviromental	The figure shows the alignment of the U2/U3 makeup water and blowdown pipeline alignments. The pipeline alignment has been revised.
HAR-1027	HAR	PT03	ER04	04.00.F / F4.0-11	permit consistency Item	The figure revised to include latest access road alignment, revisions of GA drawing and temporary construction facilities drawing.
					Consistency with NPD-	
					NRC-2011-070, RAI 3.1-	Revise construction disturbance estimates per RAI 3.1-1; need language on why permanent are over-estimated; can also state known permanent impacts from cooling
HAR-903	HAR	PT03	ERU4	04.01.01.01	1	towers and reactors
					401/404 enviromental	
HAR-904	HAR	PT03	ER04	04.01.01.01		Change Intake Channel to Intake structure
						Need to show 313.5 ac plus 116.1 ac as total impacts to 2nd paragraph; need language on why these overestimated; can also say what permanent impacts are from
HAR-948	HAR	PT03	ERU4	04.01.01.04	3.1-1	cooling towers and reactors
			1		401/404 enviromental	
HAR-907	HAR	PT03	ER04	04,01,02,05		Change Intake Channel to Intake structure
	HAR	PT03		04.01.02.05	401/404 enviromental permit consistency Item	Change 5th paragraph to read the ROW would cross 5 streams and contains two wetlands (Table 2.4-12). In addition, the ROW crosses two additional streams and
HAR-1126 HAR-1243		PT03		04.02.01.06	Editorial	one wetland that will be flooded when the elevation of Harris Lake is raised (Reference 4.1–32). Revise stormwater drainage ditch information for consistency.
15 (12 10	70.11			0 1.02.01.00	Consistency with NPD-	Treated distinuity and the second sec
					NRC-2011-070, RAI 3.1-	
HAR-909	HAR	PT03	ER04	04.03.01.01	<u> 1</u>	Revise construction disturbance estimates per RAI 3.1-1 Revise road length estimate; use newly developed language:
HAR-910	HAR	PT03	FR04	04.03.01.01	Consistency with NPD- NRC-2011-070, RAI 3.1-	Permanent roads with a total linear length of approximately 10,424 m (34,200 ft.), with widths ranging from 7.9 m to 9.8 m (26 ft. to 32 ft.), will be constructed to provide access to HAR 2 and HAR 3. Roads will require the commitment of approximately 9.7 ha (23.9 ac. or 0.037 mi.2), resulting in both short-term and long-term adverse effects. An asphalt-paved access road 3300 m (10,824 ft.) long and 9.8 m (32 ft.) wide will be constructed along an existing unpaved road partially running parallel to U.S. Highway 1 (Figure 4.0-11). Additional asphalt-paved roads will be constructed within the footprint of HAR 2 and HAR 3 with an approximate length of 4318 m (14,188 feet) and widths ranging from 7.9 m to 9.8 m (26 ft. to 32 ft.).
1124(-510	LICAL	1 100	LINOT	04,00,01,01	401/404 enviromental	2nd sentence of 4th paragraph revised; pipelines not adjacent on peninsula. Modify to read "These pipelines will be placed roughly parallel to the existing blowdown
HAR-944	HAR	PT03	ER04	04.03.01.02	permit consistency Item	pipeline that services the HNP".
					401/404 enviromental	
HAR-912	HAR	PT03	ER04	04.03.01.03	permit consistency Item 2	Change Intake Channel to Intake structure; provide information in section on intake structure based on S&L report. Add reference to S&L report.
					Consistency with NPD-	
l					NRC-2011-070, RAI 3.1-	Revise pipeline disturbance area; indicate that 181.1 ac will be included in ROW; route selected to minimize disturbance - follows ROW of Buckhorn Rd and
HAR-949	HAR	PT03	ER04	04.03.01.04.03	Consistency with NPD-	transmission lines so disturbed area will be significantly less.
1					NRC-2011-070, RAI 3.1-	Revise pipeline disturbance area; indicate that 181,1 ac will be included in ROW; route selected to minimize disturbance - follows ROW of Buckhom Rd and
HAR-914	HAR	PT03	ER04	04.03.01.04	1	transmission lines so disturbed area will be significantly less.
					401/404 anvironmental	Change 3rd sentence of 8th paragraph to read "An approximately linear 45,425 m (149,033 ft.) length of stream will be inundated by the water level increase
HAR-1124	HAR	PT03	ER04	04.03.02.02.03	401/404 enviromental permit consistency Item	(Reference 4.3-041). Reference needs to be added to end of section and should read as follows "CH2M HILL, "Progress Energy Harris Advanced Reactor (HAR) Project Jurisdictional Stream and Wetland Delineation," Technical Memorandum prepared for Progress Energy Carolinas, Inc., March 15, 2010."
				2	401/404 enviromental	Change 3rd paragraph to read the ROW would cross 5 streams and contains two wetlands (Table 2.4-12). In addition, the ROW crosses two additional streams and
HAR-1136	HAR	PT03	ER04	04.03.02.04	permit consistency Item	one wetland that will be flooded when the elevation of Harris Lake is raised (Reference 4.3-041).
					401/404 enviromental	Following new reference 4.3-040 added:
HAR-1210	HAR	PT03	ER04	04.03.03	permit consistency Item	Sargent & Lundy, LLC, "Lake Makeup Water Intake and Pumphouse - Study of Alternatives," Report No. HAG-XK01-GER-005, REV 0, June 22, 2011.
						Following new reference 4.3-041 added:
					401/404 enviromental	CH2M HILL, Inc. "Progress Energy Harris Advanced Reactor (HAR) Project Jurisdictional Stream and Wetland Delineation," Technical Memorandum prepared for
HAR-1211	HAR	PT03	FR04	04,03,03	permit consistency Item	Progress Feergy Carolinas, Inc., March 15, 2010.
					Consistency with NPD-	
			- FD04		NRC-2011-070, RAI 3.1-	
		PT03 PT03		04.03.T / T4.3-1 04.04.01.02	1 Editorial	Replace the table with information from RAI Wake County is maintenance area for ozone; update reference
11/2/2-1101	1101	1 103	_NO4	57,07,01,02		wake county is maintenance area for ozone, update retirence Following new reference 4.4-040 added to support HAR-1101:
					!	
		0705	5004		E discussion	U.S. Environmental Protection Agency, "Green Book: Currently Designated Nonattainment Areas for All Criteria Pollutants," Websites,
		PT03 PT03		04.04.03 04.04.03	Editorial Editorial	www.epa.gov/oar/oaqps/greenbk/ , accessed February 19, 2007, and www.epa.gov/oar/oaqps/greenbk/ancl.html, accessed January 2, 2007. Following reference listed as "Not Used": 4.4-010 updated with HAR-1221
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		. 100			401/404 enviromental	. The residence of the second
HAR-1028	HAR	PT03	ER04	04.04.F / F4.4-1	permit consistency Item	Plant layout, blowdown, makeup pipeline have been revised.

		Т		,	· · · · · · · · · · · · · · · · · · ·	
		COLA		1 .		
Change ID#	COLA		Chapter	Section	Basis for Change	Change Summary
					401/404 enviromental	
HAR-1029	HAR	PT03	ER04	04.04.F / F4.4-2	permit consistency Item 401/404 environmental	The figure revised to show latest revisions of makeup water pipeline and blowdown pipeline alignment.
HAR-1030	HAR	PT03	FR04	04.04.F / F4.4-3	permit consistency Item	Plant layout, blowdown, makeup pipeline have been revised,
	1	1		- III	Consistency with	The trying street, making pipeline nate been residue.
	ļ.	İ		1	response to HAR-RAL	
					LTR-078 in NPD-NRC-	Evaluate ER 4.5 for potential changes from HAR-RAI-LTR-078 related to construction worker dose. FSAR Ch 12 changes are documented in AR 448167. Include
HAR-605	HAR	P103	ER04	04.05	2011-020 Consistency with	specific changes in roadmap when identified. Following new reference 4.5-006 added:
				04.05.03.01,01,	response to HAR-RAL	i oliothily new relations 4.0-oco added.
ļ.		1		04.05.03.02.01,	LTR-078 in NPD-NRC-	Progress Energy Carolinas, Inc., "Shearon Hams Nuclear Power Plant Off-Site Dose Calculation Manual (ODCM)," Revision 17, Docket No. STN-50-400," November
HAR-1212	HAR	PT03	ER04	04.05.05	2011-020	30, 2004.
	1	1			Consistency with response to HAR-RAI-	Estimates and office and 4.5 ANS added
1	İ	1		04.05.03.01.01.	LTR-078 in NPD-NRC-	Following new reference 4.5-008 added:
HAR-1214	HAR	PT03	ER04	04,05,05	2011-020	Progress Energy Carolinas, Inc. (PEC), "Shearon Harris Nuclear Power Plant Annual Radioactive Effluent Release Report: January 1 2007 to December 31, 2007."
					Consistency with	Following new reference 4.5-009 added:
		ļ.		04.05.03.01.01,	response to HAR-RAI- LTR-078 in NPD-NRC-	Brown Farm Capitae In (PFO) The Principal In the National Principal In the Principal Inc.
HAR-1215	HAR	PT03	FR04	04.05.05	2011-020	Progress Energy Carolinas, Inc. (PEC), "Shearon Harris Nuclear Power Plant Annual Radioactive Effluent Release Report: January 1, 2008 through December 31, 2008."
	7.0.11	1	21101	0 1.00.00	Consistency with	2500.
	1	1			response to HAR-RAI-	Following new reference 4.5-007 added:
				04.05.03.01.01,	LTR-078 in NPD-NRC-	
HAR-1213	HAR	PT03	ERU4	04.05.04, 04.05.05	2011-020 Consistency with	Progress Energy Carolinas, Inc. (PEC), "Shearon Harris Nuclear Power Plant Annual Radioactive Effluent Release Report: January 1, 2004 to December 31, 2004."
1		1			response to HAR-RAI-	Following new reference 4.5-010 added:
l				04.05.03.02.01,	LTR-078 in NPD-NRC-	
HAR-1216	HAR	PT03	ER04	04.05.05	2011-020	Progress Energy Carolinas, Inc. (PEC), "Shearon Harris Nuclear Power Plant Annual Radioactive Effluent Release Report: January 1 2010 to December 31, 2010."
					Consistency with response to HAR-RAI-	Following new reference 4.5-011 added:
				04.05.03.03.01.	LTR-078 in NPD-NRC-	Nuclear Generation Group, "Area Thermoluminescent Dosimeter (TLD) Monitoring," DOS-NGGC-0010, Revision 7, 2006, Nuclear Generation Group Standard
HAR-1217	HAR	PT03	ER04	04.05.05	2011-020	Procedure Volume 99 Book/Part 99, information obtained from the HNP TLD monitoring group via a request for information.
					Consistency with	
l					response to HAR-RAL LTR-078 in NPD-NRC-	
HAR-1218	HAR	PT03	FR04	04.05.05	2011-020	Following references listed as "Not Used": HAR-002, HAR-003, HAR-004, and HAR-005,
7		1			2011 020	Rename to Table 4.5-1; delete source information; revise "Total effective dose equivalent" for "Estimated HAR Construction Worker Dose" to 38.2 mrem/yr. www.newwing.
1		i			Consistency with	text added to (a) footnote:
					response to HAR-RAI-	•
HAR-1135	HAR	PT03	ED04	04.05.T / T4.5-2	LTR-078 in NPD-NRC-	(a) The largest contribution to the TEDE is from the external dose assumed from active HNP operations (31 mrem/yr). Doses contributed by liquid effluents from HNP
HAR-1135	HAR	P103	ERU4	04.05.1 / 14.5-2	2011-020 Consistency with	and HAR 2 provide an additional 0.8 mrem/yr. Doses contributed by gaseous effluents from HNP and HAR 2 provide an additional 6.4 mrem/yr
		İ			response to HAR-RAL	
					LTR-078 in NPD-NRC-	
HAR-1134	HAR	PT03	ER04	04.05.T / T4.5-1	2011-020	Delete Table 4.5-1
						Section 5.0, Environmental Effects of Station Operation, second set of buillets: Operation of the modified Main Damand a pier at mid-length.
		1			NPD-NRC-2011-071, H-	revised to read as follows:
İ		İ			0646 response, ER Item	 Operation of the modified Main Dam at Harris Reservoir with a modified concrete service spillway with 15.2 m (50 ft.) long crest at elevation 73.2 m (240 ft.) NGVD29
HAR-606	HAR	PT03	ER05	05.00	3	along with an emergency spillway with a 172.2 m (565 ft.) long crest at elevation 74.3 m (243.7 ft.) NGVD29. Both the spillways will be uncontrolled. Revise road length estimate, use newly developed language, wherever appropriate:
						Trotto rous longin sammus, use nemy developed language, mierever appropriate.
1						Permanent roads with a total linear length of approximately 10,424 m (34,200 ft.), with widths ranging from 7.9 m to 9.8 m (26 ft. to 32 ft.), will be constructed to provide
						access to HAR 2 and HAR 3. Roads will require the commitment of approximately 9.7 ha (23.9 ac. or 0.037 mi.2), resulting in both short-term and long-term adverse
						effects. An asphalt-paved access road 3300 m (10,862 ft.) long and 9.8 m (32 ft.) wide will be constructed along an existing unpaved road partially running parallel to
HAR-918	HAR	PT03	ER05	05.01.01.01.02	NPD-NRC-2011-070, RAI 3.1-1	U.S. Highway 1 (Figure 4.0-11). Additional asphalt-paved roads will be constructed within the footprint of HAR 2 and HAR 3 with an approximate length of 4318 m (14,168 feet) and widths ranging from 7.9 m to 9.8 m (26 ft. to 32 ft.).
HAR-1125	HAR	PT03		05.02.01.01		Change last sentence of 7th paragraph to "would cross eight stream segments (5 streams), with impacts limited"
HAR-1244	HAR	PT03		05.02.01.03		Revise the stormwater drainage ditch information for consistency.
					404/404 any description	Demographs refer to Distillating Demographs of The intelligence and study and study and study and study and study are study and study and study are study and study and study are study and study and study are study and study are study and study are study and study are study and study are study are study as a study and study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study are study as a study as a study as a study are study as a study as a study as a study as a study as a study are study as a
HAR-607	HAR	PT03	ER05	05.03.01.01	401/404 environmental	Paragraphs refer to Buckhom Dam being removed. The intake structure and pipeline require that the dam remain in service. Revise to remove reference to Buckhom Dam being lost or removed (for whatever reason).
		T			Transcription of Real S	Control of the state of the sta
					401/404 enviromental	
HAR-919	HAR	PT03	ER05	05.03.01.01		Change Intake Channel to Intake structure
HAR-1102	HAR	PT03	ER05	05.03.01.01	401/404 enviromental permit consistency Item	4th paragraph; intake structure is 1800 feet upstream of pumphouse; can include more information on intake structure (S&L report included in 404 application)
1043-1102	וועוו	. 103	LINUS	00.00.01.01		will paragraph, make structure is not lear upstream or pumphouse, can include more information on intake structure (S&L report included in 404 application). Following new reference (S.3–027) added:
.				1		
HAR-1208	HAR	PT03	ER05	05.03	Editorial	Sargent & Lundy, LLC, "Lake Makeup Water Intake and Pumphouse - Study of Alternatives," Report No. HAG-XK01-GER-005, REV 0, June 22, 2011.
HAR-1031	HAR	PT03	EDNE	06.01.F / F6.1-1	401/404 environmental	Makeura sinaling muta has been muited
HAR-1031	nak	17103	EK00	JUO.U I.F / FO. I-1	permit consistency Item	Makeup pipeline route has been revised.

Change ID# COLA HAR-608 HAR HAR-609 HAR HAR-1032 HAR HAR-11032 HAR HAR-1033 HAR HAR-1034 HAR HAR-1035 HAR HAR-1036 HAR HAR-1036 HAR HAR-1036 HAR HAR-1037 HAR HAR-921 HAR HAR-923 HAR HAR-923 HAR HAR-924 HAR HAR-925 HAR HAR-927 HAR HAR-927 HAR HAR-929 HAR HAR-929 HAR HAR-930 HAR HAR-930 HAR	PT03 PT03 PT03 PT03 PT03 PT03 PT03 PT03	Chapter	Section 06.03.03.03 06.03.04.03 06.03.F / F6.3-1 06.03.F / F6.3-2 06.04.F / F6.4-1 06.05.02.02.02.01 06.06.F / F6.6-1 06.06.F / 6.6-2 08.00 08.01.01	Editorial correction 401/404 enviromental permit consistency Item 401/404 enviromental permit consistency Item NPD-NRC-2011-030 response to H-0856	Change Summary Subsection 6.3.3.3 revised as described in response to NRC RAI 02.04.12-5 in NPD-NRC-2011-003 (H-0650). Subsection 6.3.4.3 revised as described in response to NRC RAI 02.04.12-5 in NPD-NRC-2011-003 (H-0650). Plant layout has been revised. New Figure 6.3-2 added to ER Section 6.3 as shown in Attachment 02.04.12-5A in NPD-NRC-2011-003 (H-0650). Plant layout has been revised. Section 6.5.2.2.2.1: change first sentence in the 4th paragraph from "Appropriate USACE Section 404, Independent Energy Producers Association (IEPA) 401 Water Quality Certification, and NPDES permits will be obtained as part of site preparation activities." to "Appropriate USACE Section 404, NC Department of Environmental and Natural Resources Division of Water Quality (NC DWQ) 401 Water Quality Certification, and NPDES permits will be obtained as part of site preparation activities." Plant layout has been revised.
HAR-608 HAR HAR-609 HAR HAR-1032 HAR HAR-1033 HAR HAR-1033 HAR HAR-1035 HAR HAR-1036 HAR HAR-1036 HAR HAR-923 HAR HAR-924 HAR HAR-925 HAR HAR-928 HAR HAR-928 HAR HAR-929 HAR HAR-929 HAR	Part PT03 PT03 PT03 PT03 PT03 PT03 PT03 PT03	Chapter	06.03.03.03 06.03.04.03 06.03.F / F6.3-1 06.03.F / F6.3-2 06.04.F / F6.4-1 06.05.02.02.02.01 06.06.F / F6.6-1 06.06.F / 6.6-2 08.00 08.01.01	NPD-NRC-2011-003, H- 0650 response NPD-NRC-2011-003, H- 0650 response 401/404 enviromental permit consistency Item NPD-NRC-2011-003, H- 0650 response 401/404 enviromental permit consistency Item Editorial correction 401/404 enviromental permit consistency Item 401/404 enviromental permit consistency Item NPD-NRC-2011-030 response to H-0856	Subsection 6.3.3.3 revised as described in response to NRC RAI 02.04.12-5 in NPD-NRC-2011-003 (H-0650). Subsection 6.3.4.3 revised as described in response to NRC RAI 02.04.12-5 in NPD-NRC-2011-003 (H-0650). Plant layout has been revised. New Figure 6.3-2 added to ER Section 6.3 as shown in Attachment 02.04.12-5A in NPD-NRC-2011-003 (H-0650). Plant layout has been revised. Section 6.5.2.2.2.1: change first sentence in the 4th paragraph from "Appropriate USACE Section 404, Independent Energy Producers Association (IEPA) 401 Water Quality Certification, and NPDES permits will be obtained as part of site preparation activities." to "Appropriate USACE Section 404, NC Department of Environmental and Natural Resources Division of Water Quality (NC DWQ) 401 Water Quality Certification, and NPDES permits will be obtained as part of site preparation activities." Plant layout has been revised.
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HAR-1036 HAR HAR-611 HAR HAR-922 HAR HAR-923 HAR HAR-925 HAR HAR-925 HAR HAR-926 HAR HAR-929 HAR HAR-929 HAR HAR-929 HAR HAR-929 HAR	PT03 PT03 PT03 PT03 PT03 PT03 PT03	ER06 ER08 ER08 ER08 ER08	06.06.F / 6.6-2 08.00 08.01.01	permit consistency Item 401/404 enviromental permit consistency Item NPD-NRC-2011-030 response to H-0656	Plant layout has been revised.
HAR-1036 HAR HAR-611 HAR HAR-922 HAR HAR-923 HAR HAR-925 HAR HAR-925 HAR HAR-926 HAR HAR-929 HAR HAR-929 HAR HAR-929 HAR HAR-929 HAR	PT03 PT03 PT03 PT03 PT03 PT03 PT03	ER06 ER08 ER08 ER08 ER08	06.06.F / 6.6-2 08.00 08.01.01	401/404 environmental permit consistency Item NPD-NRC-2011-030 response to H-0656	Plant layout has been revised.
HAR-611 HAR HAR-922 HAR HAR-923 HAR HAR-924 HAR HAR-925 HAR HAR-927 HAR HAR-928 HAR HAR-929 HAR HAR-930 HAR	PT03 PT03 PT03 PT03 PT03 PT03	ER08 ER08 ER08 ER08	08.00 08.01.01	permit consistency Item NPD-NRC-2011-030 response to H-0656	***
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HAR-922 HAR HAR-923 HAR HAR-924 HAR HAR-925 HAR HAR-927 HAR HAR-928 HAR HAR-929 HAR HAR-930 HAR	PT03 PT03 PT03 PT03 PT03	ER08 ER08 ER08	08.01.01		Charles C Nord for Dover and a district of the control of Attachment 4 to NOO NOO 0044 000 and a NOO 044 0 000
HAR-923 HAR HAR-924 HAR HAR-925 HAR HAR-927 HAR HAR-928 HAR HAR-929 HAR HAR-930 HAR	PT03 PT03 PT03 PT03	ER08 ER08		Editorial	Chapter 8, Need for Power, revised in its entirety, as shown in Attachment 1 to NPD-NRC-2011-030 response to NRC RAI 8.0-1 (H-0656).
HAR-924 HAR HAR-925 HAR HAR-927 HAR HAR-928 HAR HAR-929 HAR HAR-930 HAR	PT03 PT03 PT03	ER08	UN (11 D1	Editorial	Change "62-2(3a)" to "62-2(a)(3a)" Change "the process for review and approval of such IRPs," to "the process for review of such IRPs,"
HAR-925 HAR HAR-927 HAR HAR-928 HAR HAR-929 HAR HAR-930 HAR	PT03 PT03		08.01.01	Editorial	Linarge the process for review and approval of such likes. To the process for review of such likes. Change "Reference 8.1-015" in the middle of paragraph so that it links to Reference 8.1-013
HAR-927 HAR HAR-928 HAR HAR-929 HAR HAR-930 HAR	PT03		08.01.02	Editorial	Change Net reviewed publicly through *to * are reviewed publicly and there may be *
HAR-928 HAR HAR-929 HAR HAR-930 HAR			08,01,03	Editorial	
HAR-929 HAR HAR-930 HAR	11103				Change "After the filing of a biannual or annual report, " to "After the filing of a biennial or annual report,"
HAR-930 HAR			08,01.03	Editorial	Change "Reference 8.1-015" in the two paragraphs that reference NC Gen. Stat. 62-110.1(c) so that it links to Reference 8.1-013
	PT03		08.01.03	Editorial	Change "Like IRP Reports," to "Like the IRP review process"
	PT03		08.01.05	Editorial	Add "Id. at Rule R8-50(i)(2)(i)(f)." to end of first paragraph in section
	PT03		08.01.05	Editorial	Add *(Reference 8.1 013)* to end of third paragraph in section
HAR-936 HAR			08.01.F / F8.1-1	Editorial	Add and a public hearing to the first line, 4th blue box
HAR-937 HAR	PT03		08.01.F / F8.1-1	Editorial	Revise last line in 3 rd blue box to read as "NCUC considers long-range needs in its review"
HAR-938 HAR			08,01,F / F8,1-1	Editorial	Fix typo in "utility" in bottom line of 2nd block
HAR-932 HAR	PT03		08.02.02	Editorial	Delete "to" from first sentence in 2nd to last paragraph
HAR-933 HAR	PT03		08.03	Editorial	Make the following change "In their IRP reports, utilities " to the beginning of the 3rd paragraph in the section
HAR-934 HAR	PT03		08.04	Editorial	Add "that are" in sixth sentence in the first paragraph in section
HAR-935 HAR	PT03	ER08	08.04	Editorial	Deleted "future as discussed in Section 8.3" from sixth sentence in first paragraph
ı I				401/404 enviromental	·
HAR-1129 HAR	PT03	ER09	09,04,02,01,01		Remove all references to intake channel; include short description of proposed intake structure based on S&L document, if appropriate
ı				401/404 enviromental	Change location of intake structure to 1800 feet upstream of pumphouse location; check reference; likely need to update to S&L report (or add S&L report to intake
HAR-1105 HAR	PT03	ER09	09.04.02.02	permit consistency Item	location)
ı I				Editorial correction for	
ı I]		consistency throughout	NPIT 464318 is to review the amount of land that is to be resurfaced and verify that the numbers are consistent throughout all of Ch. 10. Once review is done, need to
HAR-613 HAR	PT03	ER10	10.00	Ch 10	add details of actual changes to this roadmap item.
					Land Use Paragraph - need to reflect 313.5 acres of permanent impacts, but note that this bounds potential permanent impacts; approx 50 acres will be permanently
HAR-1106 HAR	PT03	ER10	10,01.01	3.1-1	impacted by cooling towers and reactors
1	1 -			NPD-NRC-2011-070; RAI	•
HAR-1107 HAR	PT03	ER10	10.01.T / T10.1-1	3.1-1	Land use impacts should reflect changes in roadmap item HAR-613 and HAR-1106
ı. <u>.</u> İ	1.			401/404 enviromental	
HAR-1108 HAR	PT03		10.02.01.01		Change reference from intake channel to intake structure; area of disturbance should be 1.8 ha (4.4 ac) to be consistent with Chapter 4.3.1.3.2 and 4.3.1.3.1
HAR-1205 HAR	PT03	ER10	10,02,01,01	Editorial	Remove "for 2011" from 2nd sentence of 2nd paragraph.
					Following new reference added:
	1			401/404 enviromental	
HAR-1204 HAR	PT03	ER10	10.02.03		Sargent & Lundy, LLC, "Lake Makeup Water Intake and Pumphouse - Study of Alternatives," Report No. HAG-XK01-GER-005, REV 0, June 22, 2011.
	1				3rd paragraph updated to indicate that 313.5 ac could be permanently disturbed; this is from bounding exercise and overestimates amount of permanent impacts;
HAR-1109 HAR	PT03		10,03,01,01	3.1-1	impacts from new reactors and cooling towers will be approximately 50 ac
HAR-1206 HAR	PT03		10,03,01,08	Editorial	Remove "for 2011" from 2nd sentence of 1st paragraph.
HAR-939 HAR	PT03	ER	Ali	Editorial	Editorial change in ER
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PT04					
HAR-705 HAR_	PT04		A, All		Revise Part A of the Technical Specifications to match Vogtle for the page breaks.
9090 STD	PT04		A.2-03.03.01	DCD Rev 18	COLA Part 4, Section A, revised to delete the item for GTS 3.3.1.
9091 STD	PT04	L	A.2-03.03.02	DCD Rev 18	COLA Part 4, Section A, revised to delete the item for GTS 3.3.2.
9092 STD	PT04		A.2-03.06.04	DCD Rev 18	COLA Part 4, Section A, revised to delete the item for GTS 3.6.4.
HAR-1046 STD	PT04		A.2-05.02.02	Editorial	COLA Part 4, Section A, in second GTS 5.2.2, last sentence change "10 CFT Part 26" to "10 CFR Part 26."

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		COLA				
Change (D#	COLA		Chapter	Section	Basis for Change	Change Summary
		1	_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			COLA Part 4, Section A, revised to add a new item for GTS Bases 3.3.1 to read:
	1					GTS 83.3.1 The Bases for Specification 3.3.1 (Background) contain a Reviewer Note which addresses future confirmation of chosen setpoints. Remove the
		1				reviewer note in the PSTS. There is no replacement language.
				ŀ		Justification:
						The reviewer's note information for this specification is deleted because it is
9087	STD	PT04		A.2-B03.03.01	DCD Rev 18	not intended to be a part of technical specifications.
						COLA Part 4, Section A, revised to add a new item for GTS Bases 3.3.2 to read:
		ł				
		1			ŀ	GTS B3.3.2 The Bases for Specification 3.3.2 (Background) contain a Reviewer Note which addresses future confirmation of chosen setpoints. Remove the
		1			ŀ	reviewer note in the PSTS. There is no replacement language.
		1				Justification:
		1				The reviewer's note information for this specification is deleted because it is
9088	STD	PT04		A.2-B03.03.02	DCD Rev 18	not intended to be a part of technical specifications.
						COLA Part 4, Section A, revised to add a new item for GTS Bases 3.6.8 to read:
		l i				GTS B3.6.8 The Bases for Specification 3.6.8 contain a bracketed Figure which addresses the anticipated time prior to coolant inventory boiling under various
		1		i		conditions.
						Remove the reviewer note in the PSTS. There is no replacement language.
l	1			1	1	Justification:
9089	STD	PT04		A,2-B03,06,08	DCD Rev 15 (overlooked)	The information is applicable as provided since no major departures from the certified design have been taken.
9093	STD	PT04		B, 00 Ali	DCD Rev 19	COLA Part 4, Technical Specifications, revised to incorporate the AP1000 GTS changes identified by WEC and incorporated into DCD Revision 19.
l	i	1		·		
					•	COLA Part 4, Technical Specifications, GTS Section 5.5.8,b, revised from:
						The calculated peak containment internal pressure for the design basis loss of coolant accident, P _a , is 57.8 psig. The containment design pressure is 59 psig.
						To read:
HAR-615	HAR	PT04		B, 05.05.08	DCD Rev 19	The calculated peak containment internal pressure for the design basis loss of coolant accident, Pa, is 58,3 psig. The containment design pressure is 59 psig.
		1				COLA Part 4, Technical Specifications, Bases for 3.6.4 Containment Pressure, Applicable Safety Analyses, second paragraph, revised from:
		1				
						The initial pressure condition used in the containment analysis was
						15.7 psia (1.0 psig). This resulted in a maximum peak pressure from a
						LOCA, Pa, of 57.8 psig. The containment analysis (Ref. 1) shows that the
i .						maximum peak calculated containment pressure results from the limiting LOCA.
·				İ		The maximum containment pressure resulting from the worst case LOCA, 57.8 psig,
						does not exceed the containment design pressure, 59 psig."
					:	
]	To read:
					1	"The initial pressure condition used in the containment analysis was
						15.7 psia (1.0 psig), This resulted in a maximum peak pressure from a
						LOCA, Pa, of 58.3 psig. The containment analysis (Ref. 1) shows that the
						maximum peak calculated containment pressure results from the limiting LOCA.
						The maximum containment pressure resulting from the worst case LOCA
HAR-616	HAR	PT04		B, B03.06.04	DCD Rev 19	does not exceed the containment design pressure, 59 psig."
HAR-730	HAR	PT04		03.03.02	Editorial	On page 3.3.2-13, remove the "SURVEILLANCE REQUIRED (continued)" in the middle of the page.
HAR-728	HAR	PT04		04.0 and 05.0 - All	Editorial	The page breaks and section breaks are inconsistent. Match R-COLA for the page break / section break consistencies.
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HAR-729	HAR	PT04		5.06	Editorial	Add a continued header on the top of page 5.6-6 since this is a continuation of subsection 5.6.8. Also start subsection 5.6.6 on the top of page 5.6-5 similar to VEGP.
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HAR-617	HAR	PT07		B.2	Editorial - format only	COLA Part 7, Section B.2, under Discussion, first paragraph, third sentence, add the word "the" before "topic."

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DCD. Such DCD frommation is included in this combined isense application in the same manner as it is included in the AP 1000 DCD, 1.e., references in the PSAR, and material incorporated by reference in the PSAR, and material incorporated by reference in the PSAR, and the PSAR, and material incorporated by reference in the PSAR, and the PSAR, and material incorporated by reference in the PSAR, and propried in provision of the PSAR. Appropriate agreements are in place to provide for the licensee's right is to possession (including constructive possession) and use of the withheld sensitive unclassified non-safeguards information (including information informati							
VEGPAVOL-CH01 IBR of Included as references in the FSAR, and material incorporated by reference into the DCD is incorporated by reference into the FSAR. Appropriate agreements are in P18 SGI item 2 services of photo to possession indusing constructive possession) and use of the withheld sensitive unclassified non-safeguards information (including proprietary information) and safeguards information referenced in the AP1000 DCD for the life of the project. HAR-824 HAR PT10 LC42, 03.06-1 Editorial/Match STD Revise "cannot" to b	ŀ			1			
P1 & SGI item 2 SNC Lity place to provide for the licensee's rights to possession (including constructive possession) and use of the withheld sensitive unclassified non-safeguards information (including proprietary). The P10 LC#2 Editorial/Match STD Revise "Cannot" in two places in the first two sentences. Note that the 3rd sentence should remain unchanged. HAR-623 HAR PT10 LC#2, 03.06-1 Editorial/Match STD Revise "Cannot" in two places in the first two sentences. Note that the 3rd sentence should remain unchanged. HAR-625 HAR PT10 LC#2, 09.01-7 Editorial/Match STD Add "the" before "plant-specific material properties" to match Vogite HAR-625 HAR PT10 LC#2, 09.01-7 Editorial/Match STD Revise middle sentence to read " measurements and/or visual examination." HAR-626 HAR PT10 LC#2, 19.09.01-7 Editorial/Match STD Note: "Include" HAR-627 HAR PT10 LC#2, 19.09.01-2 Editorial/Match STD Revise "Note" to "NOTE" HAR-628 HAR PT10 LC#2, 19.99.10-2 Editorial/Match STD Note: "Include" HAR-629 HAR PT10 LC#2, 19.99.10-2 Editorial/Match STD Note: "Include" HAR-630 HAR PT10 LC#2, 19.99.10-2 Editorial/Match STD Revise "Note" to "NOTE" HAR-631 HAR PT10 LC#2, 19.99.10-2 Editorial/Match STD Change "plant specific-design" will be revised to read "plant-specific design and any" HAR-633 HAR PT10 LC#2, 19.99.10-2 Editorial/Match STD Change "plant specific-design" in first two places HAR-635 HAR PT10 LC#2, 19.99.10-2 Editorial/Match STD Change "plant specific-design and any" to read "plant-specific design and any" HAR-633 HAR PT10 LC#3 Editorial/Match STD Change "plant-specific design and any" HAR-635 HAR PT10 LC#3 Editorial/Match STD Revise "FAR Section of "to read"plant-specific design and any" HAR-636 HAR PT10 LC#3 Editorial/Match STD Revise "FAR Section of "to read"plant-specific design and any" HAR-637 HAR PT10 LC#3 Editorial/Match STD Revise "FAR Section of "to read"plant-specific design and any" HAR-638 HAR PT10 LC#3 Editorial/Match STD Revise "FAR Section of "to read"plant			1			VEGP-VOL-CH01 IBR of	
STD PT10 LC#01 ND-11-0254 (including proprietary information) and safeguards information referenced in the AP1000 DCD for the life of the project.			1				
HAR-624 HAR	9239	STD	PT10		LC#01	ND-11-0254	
HAR-825 HAR	HAR-623	HAR	PT10		LC#2	Editorial/Match STD	Revise "cannot" to be "can not" in two places in the first two sentences. Note that the 3rd sentence should remain unchanged.
HAR-262 HAR	HAR-624	HAR	PT10		LC#2, 03.06-1	Editorial/Match STD	Remove "a." in Implementation Milestone column
HAR-1053 HAR		HAR	PT10		LC#2, 05.03-1	Editorial/Match STD	Add "the" before "plant-specific material properties" to match Vogtle
HAR-627 HAR	HAR-626	HAR	PT10		LC#2, 09.01-7		Revise middle sentence to read "measurements and/or visual examination."
HAR-628 HAR PT10 LC#2, 19.59.10-1 Editorial/Match STD In first paragraph, "plant specific design" will be revised to read "plant-specific design". HAR-629 HAR PT10 LC#2, 19.59.10-2 Editorial/Match STD Change "plant specific" to "plant-specific" in first two places HAR-631 HAR PT10 LC#2, 19.59.10-3 Editorial/Match STD Change "plant specific" to "plant-specific design and any" HAR-632 HAR PT10 LC#2, 19.59.10-3 Editorial/Match STD Change "plant specific" to "plant-specific design and any" to read "plant-specific design and any" HAR-632 HAR PT10 LC#3, 19.59.10-3 Editorial/Match STD Change "plant specific design and any" to read "plant-specific design and any" HAR-634 HAR PT10 LC#3 Editorial/Match STD Revise "FSAR Section 13.4" to read "FSAR Subsection 13.4" HAR-635 HAR PT10 LC#3 Editorial/Match STD Revise "PROPSED" to "PROPSED" HAR-635 HAR PT10 LC#3 Editorial/Match STD Revise "FORDESED" HAR-636 HAR PT10 LC#3 Editorial/Match STD Revise "PROPSED" to "PROPOSED" HAR-637 HAR PT10 LC#3 Editorial/Match STD Revise "PROPSED" to "PROPOSED" HAR-638 HAR PT10 LC#3 Editorial/Match STD Revise "on-site" to "on-site	HAR-1053	HAR			LC#2, 09.01-7	Editorial/Match STD	In the third sentence add "also" in front of "include"
HAR-629 HAR PT10 LC#2, 19.59,10-2 Editorial/Match STD Change "plant specific" to "plant-specific" in first two places HAR-630 HAR PT10 LC#2, 19.59,10-2 Editorial/Match STD Change "plant specific" to "plant-specific design and any" HAR-631 HAR PT10 LC#2, 19.59,10-3 Editorial/Match STD Change "plant specific" to "plant-specific design and any" HAR-632 HAR PT10 LC#3 Editorial/Match STD Revise "FSAR Section 13.4," to read "plant-specific design and any" HAR-633 HAR PT10 LC#3 Editorial/Match STD Revise "PSOPSED" to "PROPOSED" HAR-635 HAR PT10 LC#3 Editorial/Match STD Revise "PSOPSED" to "PROPOSED" HAR-635 HAR PT10 LC#3 Editorial/Match STD Revise "PSOPSED" to "PROPOSED" HAR-635 HAR PT10 LC#3 Editorial/Match STD Revise "PSOPSED" to "PROPOSED" HAR-636 HAR PT10 LC#3 Editorial/Match STD Revise "PSOPSED" to "PSOPOSED" Revise to read "construction of nuclear safety or security related structures," 4. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.C, Operational Program Implementation, Receipt of Materials, Item C.5, will be revised, to read: C.5 – Deleted VEGP-VOL-73.55-Impl response to VEGP 13.06 VEQ item 4 SNC Ltr ND-VEQ item 5 SNC Ltr					LC#2, 15.00-1	Editorial/Match STD	
HAR-630 HAR PT10 LC#2, 19.59.10-2 Editorial/Match STD Change "plant specific" to "plant-specific design and any" HAR-631 HAR PT10 LC#2, 19.59.10-3 Editorial/Match STD Change "plant specific" to "plant-specific design and any" HAR-632 HAR PT10 LC#2, 19.59.10-3 Editorial/Match STD Change "plant specific" to "plant-specific design and any" HAR-633 HAR PT10 LC#3 Editorial/Match STD Change "plant-specific design, and any" to read "plant-specific design and any" HAR-633 HAR PT10 LC#3 Editorial/Match STD Revise "FSAR Subsection 13.4," to read "FSAR Subsection 13.4," HAR-635 HAR PT10 LC#3 A. Editorial/Match STD Revise "PROPSED" to "PROPOSED" HAR-635 HAR PT10 LC#3 A. Editorial/Match STD Revise "PROPSED" to "PROPOSED" VEGP-VOL-73.55-Impl response to VEGP 13.06 VR2 item 4 SNC Ltr ND-VZ item 5 SNC Ltr	HAR-628	HAR	PT10		LC#2, 19.59.10-1	Editorial/Match STD	In first paragraph, "plant specific-design" will be revised to read "plant-specific design".
HAR-631 HAR PT10 LC#2, 19.59.10-3 Editorial/Match STD Change "plant specific" to "plant-specific design, and any" to read "plant-specific design and any" HAR-633 HAR PT10 LC#3 Editorial/Match STD Revise "FSAR Section 13.4," to read "plant-specific design and any" HAR-634 HAR PT10 LC#3 Editorial/Match STD Revise "FSAR Section 13.4," to read "FSAR Subsection 13.4," HAR-635 HAR PT10 LC#3 Editorial/Match STD Revise "FSAR Section 13.4," to read "FSAR Subsection 13.4," Revise "PROPSED" to "PROPOSED". Revise to read "construction of nuclear safety or security related structures," 4. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.C, Operational Program Implementation, Receipt of Materials, Item C.5, will be revised, to read: "Revise to read "construction of nuclear safety or security related structures," 4. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.C, Operational Program Implementation, Receipt of Materials, Item C.5, will be revised, to read: "Revise "on-site" to "onsite" VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND- VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 4 SNC Ltr ND- VEGP-VOL-73.55-Im					LC#2, 19.59.10-2	Editorial/Match STD	
HAR-632 HAR PT10 LC#3 Editorial/Match STD Change "plant-specific design, and any" to read "plant-specific design and any" HAR-633 HAR PT10 LC#3 Editorial/Match STD Revise "FSAR Section 13.4," to read "FSAR Subsection 13.4," HAR-635 HAR PT10 LC#3 Editorial/Match STD Revise "PROPOSED". HAR-635 HAR PT10 LC#3 A. Editorial/Match STD Revise to read "construction of nuclear safety or security related structures," 4 COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.C, Operational Program Implementation, Receipt of Materials, Item C.5, will be revised, to read "construction of nuclear safety or security related structures," 4 COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.C, Operational Program Implementation, Receipt of Materials, Item C.5, will be revised, to read: C.5 - Deleted C.5 - Deleted VEGP-VOL-73.55-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05-Imples of VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.05	HAR-630				LC#2, 19.59.10-2		Change "plant specific-design and, any" to read "plant-specific design and any"
HAR-632 HAR PT10 LC#3 Editorial/Match STD Change "plant-specific design, and any" to read "plant-specific design and any" HAR-633 HAR PT10 LC#3 Editorial/Match STD Revise "FSAR Section 13.4," to read "FSAR Subsection 13.4," HAR-635 HAR PT10 LC#3 Editorial/Match STD Revise "PROPSED" to "PROPOSED". HAR-635 HAR PT10 LC#3 A. Editorial/Match STD Revise to read "construction of nuclear safety or security related structures," 4. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.C, Operational Program Implementation, Receipt of Materials, Item C.5, will be revised, to read "construction of nuclear safety or security related structures," 4. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.C, Operational Program Implementation, Receipt of Materials, Item C.5, will be revised, to read "construction of nuclear safety or security related structures," 5. Cola Part 10, Proposed License Conditions (Including ITAAC), LC #3.D, Operational Program Implementation, Fuel Receipt, Item D.3, will be revised to read: VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item 5 SNC Ltr ND-VEGP-VOL-73.55-Impleresponse to VEGP 13.06 VR2 item							
HAR-633 HAR PT10 LC#3 Editorial/Match STD Revise "FSAR Section 13.4," to read "FSAR Subsection 13.4," HAR-634 HAR PT10 LC#3 Editorial/Match STD Revise "PROPOSED" to "PROPOSED" HAR-635 HAR PT10 LC#3 A. Editorial/Match STD Revise "PROPOSED" VEGP-VOL-73.55-Impl response to VEGP 13.06 VR2 item 4 SNC Ltr ND-HAR-635 HAR PT10 LC#3 D. Editorial/Match STD Revise "FSAR Section 13.4," to read "FSAR Subsection 13.4," Revise to read "construction of nuclear safety or security related structures," 4. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.C, Operational Program Implementation, Receipt of Materials, Item C.5, will be revised, to read: C.5 - Deleted C.6 - Deleted C.7 - Deleted C.7 - Deleted C	HAR-632	HAR	PT10		LC#2, 19,59,10-3	Editorial/Match STD	
HAR-635 HAR PT10 LC#3 A. Editorial/Match STD Revise to read "construction of nuclear safety or security related structures," 4. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.C, Operational Program Implementation, Receipt of Materials, Item C.5, will be revised, to read: r	HAR-633						Revise "FSAR Section 13.4," to read "FSAR Subsection 13.4,"
9308 STD PT10 LC#03 C.5 11-0313 PT10 LC#3 D. Editorial/Match STD Revise "on-site" COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.C, Operational Program Implementation, Receipt of Materials, Item C.5, will be revised, to read: C.5 — Deleted C.5 — Deleted VEGP-VOL-73.55-Impl response to VEGP 13.06 VEGP-VOL-	HAR-634	HAR	PT10		LC#3	Editorial/Match STD	Revise "PROPSED" to "PROPOSED".
VEGP-VOL-73.55-Impl response to VEGP 13.06 VR2 item 4 SNC Ltr ND- C.5 - Deleted	HAR-635	HAR	PT10		LC#3 A.	Editorial/Match STD	Revise to read "construction of nuclear safety or security related structures,"
VEGP-VOL-73.55-Impl response to VEGP 13.06 VR2 item 4 SNC Ltr ND-						1	
response to VEGP 13.06 VR2 item 4 SNC Ltr ND- C.5 — Deleted PT10							4. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.C, Operational Program Implementation, Receipt of Materials, Item C.5, will be revised, to
9308 STD PT10 LC#03 C.5 11-0313 C.5 11-0313 PT10 LC#03 C.5 11-0313 Revise "on-site" to "onsite" WEGP-VOL-73.55-Impl response to VEGP 13.06 VR2 item 5 SNC Ltr ND-VR2 item 5 SNC		l			I		read:
9308 STD PT10 LC#03 C.5 11-0313 HAR-636 HAR PT10 LC#3 D. Editorial/Match STD Revise "on-site" to "onsite" VEGP-VOL-73.55-Impl response to VEGP 13.06 VR2 item 5 SNC Ltr ND- VR2 item 5 SNC Ltr ND-		l					Language
HAR-636 HAR PT10 LC#3 D. Editorial/Match STD Revise "on-site" to "onsite" VEGP-VOL-73.55-Impl response to VEGP 13.06 VR2 item 5 SNC Ltr ND- VR2 item 5 SNC Ltr ND-	0308	eTD.	DT40		LC#03 C F		IC.5 - Deleted
VEGP-VOL-73.55-Impl response to VEGP 13.06 VR2 item 5 SNC Ltr ND-							Davies "on ella" to "oneita"
response to VEGP 13.06 5. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.D, Operational Program Implementation, Fuel Receipt, Item D.3, will be revised to read: VR2 item 5 SNC Ltr ND-	, ,,,,,,,,,,,,,,	LIZIS	F 1 10		LO#3 D.	LUNGINATURE STD	Incition Virging to Village
response to VEGP 13.06 5. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.D, Operational Program Implementation, Fuel Receipt, Item D.3, will be revised to read: VR2 item 5 SNC Ltr ND-		1					
response to VEGP 13.06 5. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.D, Operational Program Implementation, Fuel Receipt, Item D.3, will be revised to read: VR2 item 5 SNC Ltr ND-					1	VEGP-VOL-73.55-Impl	
VR2 item 5 SNC Ltr ND-	1		1		1	response to VEGP 13.06	5. COLA Part 10, Proposed License Conditions (Including ITAAC), LC #3.D, Operational Program Implementation, Fuel Receipt, Item D.3, will be revised to read:
9309 STD PT10 LC#03 D.3 11-0313 D.3 – Special Nuclear Material Physical Protection Program	L	l	L İ		I	VR2 item 5 SNC Ltr ND-	
	9309	STD	IPT10		[LC#03 D.3	J11-0313	D.3 - Special Nuclear Material Physical Protection Program

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i		COLA	i			
Change ID#	COLA	Part	Chapter	Section	Basis for Change	Change Summary
1					Can annaistan ann aith	
1					For consistency with	·
1					changes included in	
1					VEGP-RAI-LTR-062	Lanca can be seen a see a see a see a see a see a see a see a see a see a see a see a see a see a see a see a s
I					response to RAI 01.05-	COLA Part 10, proposed License Condition 3, Operational Program Implementation, item D, Fuel Receipt, will be revised to read:
l		l		l	001 item 3 SNC Ltr ND-	L
9334	STD	PT10	ļ	LC#03 D.5	10-2002	D.5 - Deleted
		L		l		Proposed License Conditions (Including ITAAC), Section 3, H.
HAR-637	HAR	PT10		LC#3 H.	Editorial/Match STD	revised from "H.1-Initial Test Program" to read "H.1 – Initial Test Program"
I						3. COLA Part 10, Proposed License Conditions (Including ITAAC), proposed License Condition (LC) #5, will be revised by renumbering and renaming the current
I						proposed LC and adding a new License Condition #5B. This revision will change proposed LC#\$ to read:
I						, , , , , , , , , , , , , , , , , , , ,
I						5. SECURITY PROGRAM:
I					ľ	
						A. SECURITY PROGRAM IMPLEMENTATION:
I						An implementation license condition approved in the SRM regarding SECY-05-0197 applies to the security program.
						The state of the s
i .				ļ		PROPOSED LICENSE CONDITION:
1				•		THE SELECTION OF THE SE
						The licensee shall maintain in effect the provisions of the physical security plan, security personnel training and qualification plan, safeguards contingency plan, and
		1				cyber security plan, and all amendments made pursuant to the authority plan, 200, 50, 50, 50, 50, 50, 50, 50, 50, 50,
1						Eyes security plant, and an anientument in inace pursuant to the automy of the CFR 30.39, 30.39(3), 30.37, and security in in Appendix 5 to Fait 32 when indeed the list onsite (protected area), and contenting until all nuclear fuel is permanently removed from the site.
1					1	is offsite (protected area), and continuing unular nuclear fuerts permanently removed from the site.
1					1	B. SPECIAL NUCLEAR MATERIAL PHYSICAL PROTECTION:
1						B. SPECIAL NUCLEAR WATERIAL PRISIDAL PROTECTION.
i						A linear and the investment of a second of the boundary of the
						A license condition is proposed to address when the boundary for physical protection of new fuel as SNM is required to be extended from the controlled access area
						(CAA) in accordance with the requirements of 10 CFR 73.67 to the operational protected area (PA) in accordance with 10 CFR 73.55.
		1				PROPOSED LICENSE CONDITION
		l i				L
,					VEGP-VOL-73.55-Impl	The licensee shall receive and store new fuel as SNM in a controlled access area (CAA) in accordance with the requirements of 10 CFR 73.67, until such
						time as an operational protected area (PA) that satisfies the requirements of 10 CFR 73.55(e)(8) is established. If new fuel is already stored in a CAA that
					VR2 item 3 SNC Ltr ND-	is within the boundary of the proposed PA, then upon declaration of an operational PA, the remaining requirements of 10 CFR 73.55 shall be implemented.
9307	STD	PT10		LC#05	11-0313	The PA shall be established and declared operational prior to initial fuel load.
	HAR	PT10		LC#6	Editorial/Match STD	Revise the "." at the end of the first sentence to be a "."
	HAR	PT10		LC#6 d.	Editorial/Match STD	Change "[" and "]" to "(" and ")" in d.
HAK-04U	HAR	PT10		LC#6 e.	Editorial/Match STD	Revise to read "the flow accelerated corrosion (FAC) program implementation, including the construction phase activities."
					1	
					VEOD VOL 0500 0000	COLA Part 10 Personal Livers Conditions from the related to conduction and for a state of the section of the se
1					VEGP-VOL-Ch03 Const	COLA Part 10, Proposed License Conditions, item h. related to construction and inspection procedures will be revised to read:
Į.					response to STD COL	
			•		03.08-006 Supp SNC Ltr	h. the implementation of construction and inspection procedures for steel concrete composite (SC) construction activities for seismic Category I nuclear island modules
9901	STD	PT10		LC #06 h.	ND-11-0895	fincluding shield building SC modules) before and after concrete placement, and inspection of such construction before and after concrete placement.
	HAR	PT10		LC#7	Editorial/Match STD	In the first sentence of the last paragraph, add a dash between "three" and "plants" to read "or by the first-three-plants"
HAR-642	HAR	PT10		LC#9	Editorial/Match STD	lin the first sentence after Low-Power (<5% RTP) Testing, move "testing" to be after "(<5% RTP),"
1 1					1	
					į	
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					1	COLA Part 10, Proposed License Condition 4, revise acronym "PGN" to "PEC" as indicated below.
					1	
		1 I			İ	4. EMERGENCY PLANNING ACTIONS:
		l i				
					I	PROPOSED LICENSE CONDITION:
					1	
					1	B. Prior to the full-participation exercise to be conducted in accordance with the requirements
						of Appendix E to 10 CFR Part 50, PGN PEC will have available for NRC inspection Letters of
					1	Agreement
j						C. Prior to the full-participation exercise to be conducted in accordance with the requirements
į l						of Appendix E to 10 CFR Part 50, PGN PEC will have available for NRC inspection
1 1		j				
1		1				D. Prior to the full-participation exercise to be conducted in accordance with the requirements
HAR-643	HAR	PT10		LC#4	Editorial	of Appendix E to 10 CFR Part 50, PGN PEC will have available for NRC inspection
HAR-644	HAR	PT10		LC#AppB	Editorial/Match STD	Revise title to read "Inspections, Tests, Analyses and Acceptance Criteria"
HAR-645	HAR	PT10		LC#AppB	Editorial/Match STD	Revise middle sentence under Physical Security ITAAC to read "Site-specific physical"
	I U AIX	-		соттурро	Canonaywalar 51D	Revise modes senience under physical security in Avo. to read sine-specific principles. After "together with associated acceptance criteria for the offsite power system," add "2.6.13 Offsite Retail Power System
124(010				i I	ı	Printer agenter than accordance deceptance citiena for the chain power system. due 2.0.15 Offsite Retail Fower System
1241010					!	No entry for this system
	HAR	PT10		I C#AnnB	Editorial/Match STD	No entry for this system. The following non-system based site specific ITAAC are provided:"
HAR-646	HAR HAR	PT10 PT10		LC#AppB LC#AppB	Editorial/Match STD Editorial/Match STD	No entry for this system. The following non-system based site specific ITAAC are provided:" Add the statement "Include the following non-system ITAAC after DCD Tier 1 Section 3.7." to before "Emergency Planning ITAAC".

Change ID#	COLA	COLA	Chapter	Section	Basis for Change	Change Summary
			Chapter			
HAR-648	HAR	PT10		LC#AppB	Editorial/Match STD	Change "ITAAC is included" to "ITAAC are included" in two locations: Waterproof Membrane ITAAC, and Concrete Fill ITAAC.
1		1				Delete the statement "Include this ITAAC after DCD Tier 1 Section 3.7." from the following three locations: Emergency Planning ITAAC, Waterproof Membrane ITAAC,
HAR-649	HAR	PT10		LC#AppB	Editorial/Match STD	and Concrete Fill ITAAC.
		1			1	
PT11						
			I		Conformance between	Revise Table of Contents to include an identifier for each enclosure (i.e., 11A, 11B, 11C, etc.) similar to LNPand revise revision number to Cyber Security Plan from
HAR-1038	HAR	PT11		Table of Contents	HAR and LNP projects	"Revision 2" to "Revision 3.".
	Ĭ	Τ				7. COLA Part 11, Enclosures, revised by the addition of a new Enclosure 11.D. Special Nuclear Material Control and Accounting Program Description. Enclosure 11.D.
]			is provided as Enclosure 2 to this letter.
		1	l		VEGP-RAI-LTR-064	
		1	l		response to RAI 01,05-	Include 11.D on Index Sheet for Part 11.
i			l		003 item 7 SNC Ltr ND-	
8389	STD	PT11	l	D - MC&A		(Refer to the final response letter for Enclosure 2)
	1	1			VEGP-RAILTR-065 S1	(Note to the limit response total to Endagate 2)
i	l		l		in response to RAI 13,06-	·
			l	E - New Fuel Shipping	37-VR1 item 2 SNC Ltr	
9761	STD	PT11	ĺ	Plan		2 COLA Part 44 Englander and the the addition of a part Englander 44 E New First Chinaira Dira. Carlos and 44 E is availed as Englander 24 this latter
3701	310	15111	-	Fian		2. COLA Part 11, Enclosures, revised by the addition of a new Enclosure 11.E, New Fuel Shipping Plan. Enclosure 11.E is provided as Enclosure 2 to this letter.
UAD CEA	HAR	PT11				Replace the QAPD in Part 11 with the correct QAPD: NGGM-PM-0033, Progress Energy New Nuclear Plant Quality Assurance Program Description Topical Report,
HAR-650	ITAK	F (1)	<u> </u>	A - QAPD	HAR and LNP projects	Revision 4.
L		I	1	L		COLA Part 11, Enclosures, revised by the addition of a new Enclosure 11F, Supplemental Information in Support of 10 CFR Part 70 Special Nuclear Material License
		PT11				Application. Enclosure 11F is provided as Enclosure 2 to this letter.
HAR-1047	STD	PT11		Table of Contents	Editorial	COLA Part 11, Table of Contents/Revision Summary, revise from "LOLA Plan" to read "Mitigative Strategies Description and Plans"