October 6 2009

Comanche Peak Nuclear Power Plant, Units 3 & 4
COL Application

Part 2, FSAR

Update Tracking Report

Revision 6

Revision History

Revision	Date	Update Description
0	3/31/2009	Original Issue Updated Chapters: Ch.1, 2, 3, 5, 6, 8, 9, 11, 12, 13, 14, 17 and 19 Incorporated responses to following RAIs: No.1
1	4/24/2009	Updated Chapters: Ch. 2, 6
-	5/1/2009	Updated Chapters: Ch. 1, 5,14 See Luminant Letter no. TXNB-09010 Date 5/1/2009 Incorporated responses to following RAIs: No. 1, 2
2	5/08/2009	Updated Chapters: Ch 1, 2
-	5/26/2009	Updated Chapters: Ch. 7 See Luminant Letter no. TXNB-09020 Date 5/26/2009 Incorporated responses to following RAIs: No. 4, 5
-	6/17/2009	Updated Chapters: Ch. 1,10 See Luminant Letter no. TXNB-09023 Date 6/17/2009 Incorporated responses to following RAIs: No. 6
3	6/30/2009	Updated Chapters: Ch 3 , 9,10,12,14,19
-	8/7/2009	Updated Chapters: Ch. 1, 5, 10 See Luminant Letter no. TXNB-09028 Date 8/7/2009

		Incorporated responses to following RAIs: No. 7, 8
-	8/24/2009	Updated Chapters: Ch. 1, 3, 10 See Luminant Letter no. TXNB-09033 Date 8/24/2009 Incorporated responses to following RAIs: No. 12, 16
-	8/24/2009	Updated Chapters: Ch. 1, 3, 10 See Luminant Letter no. TXNB-09034 Date 8/24/2009 Incorporated responses to following RAIs: No. 17, 20
4	8/28/2009	Updated Chapters: Ch 2, 3, 4, 5, 6, 7, 8, 10, 11, 12, 13, 14
-	8/28/2009	Updated Chapters: Ch. 2 See Luminant Letter no. TXNB-09035 Date 8/28/2009 Incorporated responses to following RAIs: No. 11, 14, 21, 22
5	9/11/2009	Updated Chapters: Ch 9, 11
-	9/8/2009	Updated Chapters: Ch. 8 See Luminant Letter no. TXNB-09040 Date 9/8/2009 Incorporated responses to following RAIs: No. 23, 24
-	9/10/2009	Updated Chapters: Ch. 2 See Luminant Letter no. TXNB-09042 Date 9/10/2009 Incorporated responses to following RAIs: No. 11, 18, 21, 22

-	9/22/2009	Updated Chapters: Ch. 3 See Luminant Letter no. TXNB-09047 Date 9/22/2009 Incorporated responses to following RAIs: No. 25, 27
-	9/24/2009	Updated Chapters: Ch. 11 See Luminant Letter no. TXNB-09048 Date 9/24/2009 Incorporated responses to following RAIs: No. 29
6	10/6/2009	Updated Chapters: Ch 3, 14, 19

Chapter 1

Chapter 1 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00586	1.2	1.2-3 1.2-4	Consistent with Subsection 9.4.5.2.6	Add “UHS” before “ESW pump”.	0
CTS-00586	1.2	1.2-4	Erratum	Change the number of pumps.	0
CTS-00534	1.8	1.8-13	Consistent with DCD Rev.1	Correct COL 3.2(4) and 3.2(5) to reflect wording changes in DCD Rev1.	0
CTS-00535	1.8	1.8-16	Consistent with DCD Rev.1	Correct COL3.5(2) to reflect wording changes in DCD Rev1.	0
CTS-00536	1.8	1.8-23	Editorial correction	Change “AD/V2” to “AD/V^2”.	0
CTS-00537	1.8	1.8-28	Consistent with DCD Rev.1	Correct COL3.8(19) to reflect wording changes in DCD Rev1.	0
CTS-00527	1.8	1.8-30	Consistent with DCD Rev.1	Correct COL3.9(2) to reflect wording changes in DCD Rev1.	0
CTS-00538	1.8	1.8-33	Consistent with DCD Rev.1	Correct COL3.10(9) to reflect wording changes in DCD Rev1.	0
CTS-00550	1.8	1.8-41	Editorial correction	Delete “these” from COL 6.2(1).	0
CTS-00539	1.8	1.8-43	Editorial correction	Add “and” in COL 6.4(5).	0
CTS-00540	1.8	1.8-55	Editorial correction	Change “an” to “a ” in COL10.3(1).	0
CTS-00541	1.8	1.8-56	Editorial correction	Change “deta” to “data” in COL11.2(3).	0
CTS-00542	1.8	1.8-61	Consistent with DCD Rev.1	Correct COL12.1(1) to reflect wording changes in DCD Rev1.	0
DCD_12.01-2	1.8	1.8-61	Delete Outdated RG	Delete reference to RG8.20, 8.26, and 8.32 from COL12.1(3).	0
CTS-00543	1.8	1.8-64	Consistent with DCD Rev.1	Correct COL13.1(5), 13.2(2) and 13.2(3) to reflect wording changes in DCD Rev1.	0
CTS-00610	13.5.2	1.8-66	Update	Add Subsection “13.5.2.1” in Table 1.8-201.	0
CTS-00544	1.8	1.8-67	Consistent with DCD Rev.1	Correct COL13.6(1)and 13.7(1) to reflect wording changes in DCD Rev1.	0
CTS-00545	1.8	1.8-70	Consistent with DCD Rev.1	Delete COL16.1_3(1).	0
CTS-00546	1.8	1.8-71	Editorial correction	Delete “and” from COL16.1_3.3.2(1).	0

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00526	1.8	1.8-74	Consistent with DCD Rev.1	Correct COL17.5(1) to reflect wording changes in DCD Rev1.	0
CTS-00530	1.9	1.9-7	Correct Corresponding Section	Delete reference to 5.2.1.2 from RG1.84.	0
CTS-00529	1.9	1.9-16	Correct COLA/FSAR Status	Add “with exceptions” to “Conformance” in RG 4.15.	0
DCD_12.01-2	1.9	1.9-18 1.9-19	Delete Outdated RG	Delete reference to RG8.20, 8.26, and 8.32 from Table1.9-203.	0
RCOL2_14.03-1	Table 1.8-201	1.8-69	Responses to RAI No. 1 Luminant Letter TXNB-09010 Dated 5/1/2009	Add FSAR location “14.2.12.1.90.C8” as resolution of COL 14.2(10).	-
CTS-00703	Table 1.9-201	1.9-4	To Reflect CPNPP Units 3 and 4 compliance with RG 1.23.	Added “Second Prepared Revision, April 1986” in the Revision/Date category and “revision of record CPNPP Units 1 and 2” to the COLA FSAR Status category.	2
RCOL2_10.02.03-01	Table 1.8-201	1.8-54	Response to RAI No. 6 Luminant Letter no.TXNB-09023 Date 06/17/2009	For COL 10.2(1), replace the word “develop” with “establish a” and delete “and then to implement” in the first sentence. Delete the entire second sentence. Insert “A” under the column “COL Applicant Item”; delete “H” and delete “b” from columns labeled “COL Holder Item” and “Rationale”.	-
RCOL2_10.03.06-2	Table 1.8-201	1.8-55	Response to RAI No. 7 Luminant Letter no.TXNB-09028 Date 8/7/2009	Replace the revision number for NSAC-202L from “R3” to “R2”. Insert “and are susceptible to erosion-corrosion damage” at end of 1st sentence for COL 10.3(1).	-
RCOL2_10.03-1	Table 1.8-201	1.8-55	Response to RAI No. 16 Luminant Letter no.TXNB-09033 Date 08/24/2009	Delete COL 10.3(2) description and state “Delete from DCD”.	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
RCOL2_01-1	Table 1.7-202	1.7-3	Response to RAI No. 20 Luminant Letter no.TXNB-09034 Date 08/24/2009	Delete Figure 9.2.4-201, “Sanitary Wastewater Treatment System Flow Diagram,” from Table 1.7-202.	-

Chapter 2

Chapter 2 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00636	Table 2.0-1R	2.0-3 2.0-13	Editorial correction	Change “X/Q” to “ χ /Q”. (χ is a Greek letter.)	0
CTS-00637	Table 2.2-203 Table 2.2-206	2.2-28 2.2-33	Editorial correction	Change “CPNPP Units 1 & 2” to “CPNPP Units 1 and 2”.	0
CTS-00587	Table 2.3-206	2.3-71	Erratum	Change “5” to “3”.	0
CTS-00636	Table 2.3-342	2.3-252 2.3-253	Editorial correction	Change “X/Q” to “ χ /Q”. (χ is a Greek letter.)	0
CTS-00590	2.4.1.1	2.4-2	Editorial correction	Change “grade” to “floor elevation”.	0
CTS-00591	2.4.1.1	2.4-3	Editorial correction	Change “Category I seismic requirement” to “seismic category I requirement”.	0
CTS-00661	2.4.1.2.1	2.4-5	Editorial correction	Add "(Figure 2.4.1-207)" after Morris-Sheppard Dam.	0
CTS-00662	2.4.1.2.1	2.4-6	Editorial correction	Add reference numbers according to CTS-00666.	0
CTS-00592	2.4.1.2.3.2	2.4-7	Editorial correction	Change “intake pumping station” to “makeup water intake structure” and “cooling tower makeup pumps” to “makeup water pumps, makeup water jockey pump”.	0
CTS-00663	2.4.1.2.3.3	2.4-8	Editorial correction	Add reference numbers as appropriate according to CTS-00666.	0
CTS-00664	2.4.1.2.3.3	2.4-8	Editorial correction	Delete "contributing".	0
CTS-00665	2.4.1.2.3.3	2.4-8	Update	Change "16,113 sq mi" to "25,679 sq mi".	0
CTS-00593	2.4.11.5	2.4-38	Editorial correction	Remove “to the cooling water system flow”.	0
CTS-00655	2.4.12.2.4	2.4-46	Editorial correction	Change “X” to “XX”.	0
CTS-00513 RCOL2_ 2.4.13-1	2.4.12.2.4 2.4.12.2.5 2.4.12.3.1	2.4-46 through 2.4-64	To reflect information provided during	Re-write section reflecting RAI #1.	0

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
through RCOL2_ 2.4.13-7	2.4.12.5 2.4.13		acceptance review		
CTS-00656	2.4.12.3.1	2.4-51	Editorial correction	Delete “(or are) expected to be”.	0
CTS-00657	2.4.12.3.1	2.4-52	Editorial correction	Change X to lower-case in mathematical expressions.	0
CTS-00658	2.4.12.5	2.4-53	Editorial correction	Add “aquifer”.	0
CTS-00659	2.4.13	2.4-56	Editorial correction	Change “Kd” to K_d”.	0
CTS-00666	2.4.16	2.4-63	Editorial correction	Add new references.	0
CTS-00589	Table 2.4.1-203	2.4-68 through 2.4-70	Erratum	Add reference citations.	0
CTS-00654	Table 2.4.1-203	2.4-68 through 2.4-70	Editorial correction	Change header titles and lower case from MSL to msl.	0
CTS-00655	Table 2.4.1-203	2.4-68 through 2.4-70	Erratum	Change values to match reference.	0
CTS-00588	Table 2.4.1-206	2.4-72	Erratum	Change “8186” to” 6354” and “0.383” to “0.362”. Add reference citations.	0
CTS-00594	2.5.1	2.5-53	Clarification	Add “potable” and “beneath the site”.	0
CTS-00599	2.5.2	2.5-61 2.5-62	Editorial correction	Delete the semi-colon in the bullet item list.	0
CTS-00595	2.5.2	2.5-61	Editorial correction	Remove IBR statement.	0
CTS-00515	2.5.2.5.1	2.5-110 through 2.5-113	To reflect information provided during acceptance review	Add three pages to clarify discussion.	0
CTS-00516	2.5.2.6.1.1 2.5.2.6.1.2	2.5-113 2.5-117	To reflect information provided during acceptance review	Revise Subsection reflecting commitment to NRC.	0
CTS-00667	2.5.4.3.3	2.5-166	Editorial correction	Change "The average elevation of the top of engineering Layer C is about 780 ft to 782 ft below the Unit 3 power	0

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
				block, and about 782 ft to 784 ft below the Unit 4 power block (Figure 2.5.4-214)." to "The average elevation of the top of engineering Layer C is approximately 782 ft below the Unit 3 and Unit 4 power block (Figure 2.5.4-214)".	
CTS-00597	2.5.4	2.5-121	Editorial correction	Remove IBR statement.	0
CTS-00514	2.5.4.5.4	2.5-177 2.5-179	To reflect information provided during acceptance review	Revise Subsection reflecting commitment to NRC.	0
CTS-00517	2.5.4.8	2.5-187	To reflect information provided during acceptance review	Revise Subsection reflecting commitment to NRC.	0
CTS-00598	2.5.5	2.5-195	Editorial correction	Remove IBR statement.	0
CTS-00515	2.5.2.5	2.5-224	Editorial correction	Revise Subsection reflecting commitment to NRC.	0
CTS-00515	2.5.7	2.5-227 2.5-228	To reflect information provided during acceptance review	Add references 2.5-432 through 2.5-436	0
CTS-00515	2.5.7	2.5-228	To reflect information provided during acceptance review	Add reference 2.5-432.	0
CTS-00668	Table 2.5.1-201	2.5-229 2.5-230	Editorial correction	Delete "from the Studies of Madole (1988), Crone and Luza (1990), and Swan et al. (1993)" from the title of the table.	0
CTS-00669	Table 2.5.1-201	2.5-230	Editorial correction	Add reference citations.	0
CTS-00672	Table 2.5.1-202	2.5-231	Editorial correction	Delete notes.	0

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CTS-00673	Table 2.5.1-203	2.5-232	Editorial correction	Add reference citations.	0
CTS-00673	Table 2.5.1-203	2.5-232	Editorial correction	Delete and rewrite notes.	0
CTS-00670	Table 2.5.1-205	2.5-252	Editorial correction	Add reference citations.	0
CTS-00671	Table 2.5.1-206	2.5-254	Editorial correction	Add reference citations.	0
CTS-00674	Table 2.5.2-227	2.5-312	Editorial correction	Delete references in notes.	0
CTS-00515	List of Tables List of Figures	2-xxxii 2-xlviii	Commitment to NRC	Add Tables 2.5.2-230 through 2.5.2-235. Add Figures 2.5.2-240 through 2.5.2-246.	0
CTS-00516	List of Tables List of Figures	2-xxxii 2-xlviii	Commitment to NRC	Add Tables 2.5.2-236 and 2.5.2-237. Add Figures 2.5.2-247 through 2.5.2-252.	0
CTS-00515	Tables 2.5.2-230 through 2.5.2-237	-	To reflect information provided during acceptance review	Add new Tables.	0
CTS-00516	Figures 2.5.2-240 through 2.5.2-250	-	To reflect information provided during acceptance review	Add new Figures	0
MET-04	List of Tables	2-xxiv, 2-xxv	Erratum	Add “Dallas” in front of “Fort Worth” and “Airport” after “Fort Worth” for table number 2.3-296	1
CTS-00696	2.2.2.2.8	2.2-5	Increase information as discussed with NRC during the 03-23-25-09 Hazards Analysis Audit	Changed distance for DeCordova to 9.35 miles.	1
CTS-00697	2.2.2.6	2.2-8	Increase information as discussed with NRC during the 03-23-25-09	Added clarification that rail transport of hazardous materials is outside the 5 mile radius of CPNPP 3 & 4	1

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
			Hazards Analysis Audit		
CTS-00699	2.2.2.7.1	2.2-9	Increase information as discussed with NRC during the 03-23-25-09 Hazards Analysis Audit	Added clarifying statement that the airports listed were predominant airports in the area outside 10 miles that did not exceed the 1000 D^2 criterion. Added back in the discussion for each predominant airport in the area outside the 10 miles.	1
CTS-00698	2.2.3.1.1.2	2.2-12	Increase information as discussed with NRC during the 03-23-25-09 Hazards Analysis Audit	Added clarifying discussion on how the Wolf Hollow hazardous materials were sceened for the hazards analysis since quantities were not made available.	1
CTS-00698	2.2.3.1.3.1	2.2-17	Increase information as discussed with NRC during the 03-23-25-09 Hazards Analysis Audit	Added clarifying discussion on how the Wolf Hollow hazardous materials were sceened for the control room habitability analysis since quantities were not made available.	1
CTS-00696	2.2.3.1.3.2.2	2.2-18	Increase information as discussed with NRC during the 03-23-25-09 Hazards Analysis Audit	Clarified discussion regarding DeCordova was analyzed for Hazards and Control Room Habitablilty analyses even though the distance is outside the 5 mile radius of Units 3 & 4.	1
CTS-00698	Table 2.2-205	2.2-32	Increase information as discussed with NRC during the 03-23-25-09 Hazards Analysis Audit	Added footnote that the quantities of chemicals were not made available for Wolf Hollow and a pointer added to indicate what sections have the sceening criteria utilized for Wolf Hollow.	1

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CTS-00696	Table 2.2-214	2.2-43	Increase information as discussed with NRC during the 03-23-25-09 Hazards Analysis Audit	Added IDLH and Max concentration in Control Room and footnote (b) indicating that DeCordova was conservatively analyzed even though it is outside the 5 mile radius of U3/4. Distance to nearest Units 3 and 4 MCR Inlet for DeCordova SES has been revised from 3.6 to 3.7.	1
CTS-00696	Figure 2.2-201		Erratum	Corrected the figure since the location of DeCordova, which is outside the 5 mile radius of CPNPP Units 3 & 4, showed DeCordova inside the 5 mile radius	1
MET-03	2.3.1.2.4	2.3-14	Increase information as discussed with the NRC.	Add “16” to number of days each year; remove “monthly and regional” and add “by county” to wind events to reconcile thunderstorm information.	1
MET-04	2.3.1.2.8	2.3-20	Erratum	Add “the” in front of Dallas Fort Worth Airport	1
MET-13	2.3.2.1.2	2.3-22	Erratum	Replace “2001 through 2006” with “2001 – 2004 and 2006” to describe which data years were used.	1
MET-13	2.3..2.1.3	2.3-27	Erratum	Replace “2001- 2006” with “2001 – 2004 and 2006” to describe which data years were used.	1
MET-04	2.3.2.1.4	2.3-27	Erratum	Add “Dallas” in front of “Fort Worth”	1
MET-13	2.3.2.2.4	2.3-32	Erratum	Add “Fort” for the years “2001 – 2006”	1
MET-3 MET-13	Table 2.3-211	2.3-83	Erratum	Replace numbers in column “Average per Yr (#/yr) and Replace	1

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				"2006 and (-24 yr) with "7/31/2006"	
MET-13	Table 2.3-285	2.3-164	Errata	Replace "2001 – 2006" with "2001 – 2004 and 2006" to describe which data years were used.	1
MET-04	Table 2.3-286	2.3-165	Erratum	Add "Dallas" in front of "Fort Worth" for the title.	1
MET-04	Table 2.3-296	2.3-177	Erratum	Add "Dallas" in front of Fort Worth and "Airport" after Worth in the title	1
MET-04	Table 2.3-299	2.3-180 2.3-181	Erratum	Add "Dallas" in front of "Fort Worth" in the title	1
CTS-00554	List of Tables	2-xxxiii	Increase information as discussed with the NRC to summarize the reports provided in Luminant's letter TXNB-08027 to NRC dated November 4, 2008.	Added Tables 2.5.4-228 through 2.5.4-231	2
CTS-00554	List of Figures	2-l	Increase information as discussed with the NRC to summarize the reports provided in Luminant's letter TXNB-08027 to NRC dated November 4, 2008.	Added Figure 2.5.4-245	2
CTS-00703	Table 2.3-332	2.3-233 2.3-234	To reflect CPNPP Units 3 and 4 compliance with RG 1.23	Added "Second Proposed Revision, April 1986" to the footnotes	2
CTS-00554	2.5.4.10.1	2.5-189	Increase information as discussed with the NRC to summarize the reports provided in Luminant's letter TXNB-	Additional discussion and equations to reflect what calculations and analyses were performed to demonstrate bearing capacity.	2

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			08027 to NRC dated November 4, 2008.		
CTS-00554	2.5.4.10.2	2.5-190	Increase information as discussed with the NRC to summarize the reports provided in Luminant's letter TXNB-08027 to NRC dated November 4, 2008.	Additional discussion on settlement, including calculations, equations and discussion of laboratory test results, layered versus unlayered method.	2
CTS-00554	2.5.4.10.3	2.5-191	Increase information as discussed with the NRC to summarize the reports provided in Luminant's letter TXNB-08027 to NRC dated November 4, 2008.	Additional information added to excavation rebound potential.	2
CTS-00554	2.5.7	2.5-228	Increase information as discussed with the NRC to summarize the reports provided in Luminant's letter TXNB-08027 to NRC dated November 4, 2008.	Added references 2.5-432 through 2.5-434 to reflect additional discussion on bearing capacity and settlement subsection discussed.	2
CTS-00554	Tables 2.5-4-228 through 2.5.4-231	-	Increase information as discussed with the NRC to summarize the reports provided in Luminant's letter TXNB-08027 to NRC dated November 4, 2008.	Added new tables to reflect bearing capacity discussion and settlement discussion within subsections.	2
CTS-00554	Figure 2.5.4-245		Increase information as	Added Figure 2.5.4-245.	2

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
			discussed with the NRC to summarize the reports provided in Luminant's letter TXNB-08027 to NRC dated November 4, 2008.		
HYDSV-23	List of Figures	2xliv	Hydrology Site Safety Visist	Added figures to show flow paths to SCR.	4
HYDSV-06 HYDSV-07	Table 2.0-1R		Hydrology Site Safety Visit	Changed the maximum flood level.	4
HYDSV-04	2.4.1.2	2.4-4	Hydrology Site Safety Visit	Clarified what portions of the Brazos River basin were chosen for the dam failure safety analysis.	4
HYDSV-05	2.4.1.2	2.4-5	Hydrology Site Safety Visit	Updated section to reflect what reservoirs were considered in the dam failure safety analysis.	4
HYDSV-02	2.4.2.1	2.4-12 2.4-13	Hydrology Site Safety Visit	Added maximum flood level and design basis flood elevation.	4
HYDSV-14	2.4.2.2	2.4-13 2.4-14	Hydrology Site Safety Visit	Changed water surface elevation for flood design.	4
HYDSV-06 HYDSV-07	2.4.2.3	2.4-16	Hydrology Site Safety Visit	Changed the tail water elevation.	4
HYDSV-06 HYDSV-07	2.4.3	2.4-18	Hydrology Site Safety Visit	Revised the surface water elevation for the probably maximum flood.	4
HYDSV-06 HYDSV-07	2.4.3.1	2.4-19	Hydrology Site Safety Visit	Revised the critical temporal distribution for the probably maximum precipitation.	4
HYDSV-06 HYDSV-07	2.4.3.3	2.4-20 2.4-21	Hydrology Site Safety Visit	Added discussion justifying the use of the Snyder's hydrograph applicability under PMF conditions and added a storage discharge	4

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				relationship was linearly extrapolated to account for discharge from elevation 791 ft msl to 795 ft. msl.	
HYDSV-06 HYDSV-07	2.4.3.4	2.4-22	Hydrology Site Safety Visit	Changed the SCR peak flood volumetric flow rate.	4
HYDSV-06 HYDSV-07	2.4.3.5	2.4-22	Hydrology Site Safety Visit	Changed the surface water elevation for the HEC-HMS and HEC-RAS models.	4
HYDSV-06 HYDSV-07	2.4.3.6	2.4-22 2.4-23	Hydrology Site Safety Visit	Revised the critical fetch length, critical duration wind speed, wave height, runup, maximum wind speed, and setup for the dam failure analysis.	4
HYDSV-04	2.4.4	2.4-24	Hydrology Site Safety Visit	Clarified assumptions of what dam failures were used in the dam failure analysis and why.	4
HYDSV-09	2.4.4.1	2.4-27	Hydrology Site Safety Visit	Clarified which reservoirs in the Brazos River Basin where used in the flooding analysis. Added discussion of what volumes of reservoir water were used in the dam failure analysis. Changed the maximum surface water elevation.	4
CTS-00817 HYDSV-10 HYDSV-11	2.4.5	2.4-29	Hydrology Site Safety Visit	Edited 5th paragraph 2nd to last sentence of section from “Any effects on the Squaw Creek.. to read “Any effects on SCR…”. Added discussion as to why the seismic induced wave and the landslide induced wave is not plausible for SCR. Changed the water surface elevation due to wind activity and	4

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				changed the PMF coincident wind wave.	
HYDSV-03	2.4.5	2.4-29	Hydrology Site Safety Visit	Clarified that the plant grade elevation is at 822 ft msl.	4
HYDSV-12 HYDSV-13	2.4.6	2.4-30	Hydrology Site Safety Visit	Added discussion that landslide and seismic induced waves are note plausible for SCR.	4
HYDSV-14	2.4.7	2.4-32	Hydrology Site Safety Visit	Changed the maximum flood elevation. Added a discussion regarding the maximum potential ice thickness and that freezing protection was provided for the ESWS cooling towers and ESW Pump House.	4
HYDSV-16	2.4.11.5	2.4-38	Hydrology Site Safety Visit	Added a discussion regarding the control of the ESWS and CWS cooling towers with makeup flow rates.	4
HYDSV-20	2.4.12.2.4	2.4-46 2.4-47	Hydrology Site Safety Visit	Updated the Groundwater Level Fluctuations to include the 2008 precipitation data and the resulting effect on the groundwater level fluctuations results.	4
HYDSV-20	2.4.12.2.4	2.4-46 2.4-47	Hydrology Site Safety Visit	Removed previous RCOL2_2.4.4.13-4 addition of “undifferentiated fill/regolith and” as well as, “indicating perched groundwater at these locations.”	4
HYDSV-18 HYDSV-24	2.4.12.2.5.1	2.4-49	Hydrology Site Safety Visit	Revised to clarify the conservatism used in porosity to calculate liquid effluent travel times.	4
HYDSV-23	2.4.12.3.1	2.4-51	Hydrology Site Safety Visit	Revised section to describe the post-construction movement o groundwater to support the liquid	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
				effluent release model provided in Section 2.4.13.	
HYDSV-26	2.4.12.4	2.4-53	Hydrology Site Safety Visit	Revised to reflect that a groundwater monitoring program will be developed before fuel load.	4
CTS-00808 HYDSV-30	2.4.13	2.4-54	Hydrology Site Safety Visit	Corrected Figure typo to 2.4.12-209. Discussed the alternate conceptual model and added a reference to new Figures 2.4.12-212-214.	4
HYDSV-28	2.4.13.1	2.4-55	Hydrology Site Safety Visit	Clarified conclusion that no chemical agents could have an effect on the transport characteristics of the liquid effluent.	4
HYDSV-30	2.4.13.2	2.4-55	Hydrology Site Safety Visit	Added clarification regarding the alternate pathways chosen and introduced new Figures 2.4-12-212 through 2.4.12-214 showing the new pathways and cross sections and discussed the hydraulic gradient figures showing the reason why GW movement SE and SW are not plausible release pathways.	4
HYDSV-17 HYDSV-19 HYDSV-23 HYDSV-30	2.4.13.2	2.4-55	Hydrology Site Safety Visit	Added paragraph to introduce new cross section figures and pathway figure.	4
HYDSV-17 HYDSV-19 HYDSV-23 HYDSV-30	2.4.13.2	2.4-55	Hydrology Site Safety Visit	Added two more bullets on what alternate conceptual model parameters were used in developing the site conceptual model plausible pathways.	4
HYDSV-17 HYDSV-19 HYDSV-23	2.4.13.3	2.4-55	Hydrology Site Safety Visit	Added a discussion that rainfall infiltration is not a contributing factor that	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
HYDSV-30				would affect the liquid effluent release analysis.	
HYDSV-29 HYDSV-31	2.4.13.4	2.4-55	Hydrology Site Safety Visit	Corrected the distances to the nearest water supply wells both in the Glen Rose formation and the Twin Mountains formation.	4
HYDSV-17 HYDSV-19 HYDSV-29 HYDSV-31	2.4.13.4	2.4-61	Hydrology Site Safety Visit	Added a clarification as to why the vertical release pathway is not plausible based upon the Unit 1 and 2 study previously performed.	4
HYDSV-23	2.4.13.4	2.4-61	Hydrology Site Safety Visit	Added reference to new Cross Section figures and pathway Figures 2.4-12-212 through 2.4.12-214.	4
HYDSV-17 HYDSV-19 HYDSV-23 HYDSV-30	2.4.13.5	2.4-55	Hydrology Site Safety Visit	Revised to discuss four release pathways. Revised to include discussion of why alternate pathways moving SE or SW from Units 3 or 4 would not be plausible.	4
HYDSV-17 HYDSV-23 HYDSV-30	2.4.13.5	2.4-55	Hydrology Site Safety Visit	Changed to plausible pathways 3a, 3b, 4a, 4b and changed travel times to SCR, and deleted current pathways. Changed travel times and identified the shortest travel time to SCR. Referred to cross section figures and new pathways.	4
HYDSV-17 HYDSV-23 HYDSV-30	2.4.13.7	2.4-55	Hydrology Site Safety Visit	Revised base mat elevation for A/B and specified subsection for site specific hydrogeologic data and core boring stratigraphy for A/B.	4
HYDSV-17 HYDSV-23	2.4.13.7	2.4-55	Hydrology Site	Changed travel times for the new pathways,	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
HYDSV-30			Safety Visit	specified what subsection discusses the comparison of U1/2 vertical pathway study, and made minor editorials.	
HYDSV-05	References 2.4-269 and 2.4-270	2.4-63	Hydrology Site Safety Visit	Added two new references to describe potential reservoir sites considered in the dam failure analysis.	4
HYDSV-15	References 2.4-271 and 2.4-272	2.4-63	Hydrology Site Safety Visit	Added two new references for the ice effects analysis Section 2.4.7.	4
HYDSV-02	Table 2.4.2-204	2.4-87	Hydrology Site Safety Visit	Added the datum elevation for footnote b.	4
HYDSV-06 HDYSV-07	Table 2.4.2-208	2.4-91	Hydrology Site Safety Visit	Changed the tail water elevation.	4
HYDSV-06 HYDSV-07	Table 2.4.3-202	2.4-93	Hydrology Site Safety Visit	Changed the PMP degree storm orientation.	4
HYDSV-06 HYDSV-07	Table 2.4.3-207	2.4-102	Hydrology Site Safety Visit	Changed the watershed sub-basin characteristics.	4
HYDSV-23	Table 2.4.12-211	2.4-149 through 2.4-152	Hydrology Site Safety Visit	Replaced Groundwater and Velocity Times Based Upon Post-Construction Configuration.	4
HYDSV-02	Figures 2.4.2-201 2.4.2-202 2.4.3-202 2.4.3-209 2.4.4-201 2.4.4-202	--	Hydrology Site Safety Visit	Added horizontal and vertical datums; added additional fetches; clarified watershed boundaries; and added datum sources.	4
HYDSV-20	Figure 2.4.12-209	--	Hydrology Site Safety Visit	Replaced the hydrographs for monitoring wells with expanded scale and precipitation data.	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
HYDSV-23	Figures 2.4.12-212 2.4.12-213 2.4.12-214	--	Hydrology Site Safety Visit	Added new Figures for Groundwater Flow Paths for Liquid Effluent Release and Cross Sections	4
RCOL2_02.05.02-07	2.5.2.5	2.5-110	Response to RAI No. 11 Luminant Letter no.TXNB-09035 Date 8/28/2009	Changed 6000 ft/sec to 5800 ft/sec.	-
RCOL2_02.05.02-21	2.5.2.2.1.1	2.5-73	Response to RAI No. 11 Luminant Letter no.TXNB-09035 Date 8/28/2009	Changed Figure 2.5.2-233 to Figure 2.5.2-203.	-
RCOL2_02.05.02-21	2.5.2.4.2.3.2.1	2.5-96-2.5.-97	Response to RAI No. 11 Luminant Letter no.TXNB-09035 Date 8/28/2009	Changed Figure 2.5.-211 to Figure 2.5.1-211.	-
RCOL2_02.05.02-21	Table 2.5.2-208 2.5.2-209	2.5-286 2.5-287	Response to RAI No. 11 Luminant Letter no.TXNB-09035 Date 8/28/2009	Changed data collection date on Table 2.5.2-208 from 2008 to 2007.	-
RCOL2_02.05.02-21	Table 2.5.2-220	2.5-300	Response to RAI No. 11 Luminant Letter no.TXNB-09035 Date 8/28/2009	Added shaded cells in Table 2.5.2-220.	-
RCOL2_02.05.04-11	2.5.4.5.4.1.2	2.5-179 2.5-228	Response to RAI No. 22 Luminant Letter no.TXNB-09035 Date 8/28/2009	Revised subsection for RAI response.	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
RCOL2_02.05.04-11	2.5.4.5.4.1.2	2.5-243	Response to RAI No. 22 Luminant Letter no.TXNB-09035 Date 8/28/2009	Added references for RAI response.	-
RCOL2_02.05.04-12	2.5.4.5.4.1.2	2.5-179 2.5-228	Response to RAI No. 22 Luminant Letter no.TXNB-09035 Date 8/28/2009	Revised subsection for RAI response.	-
RCOL2_02.05.04-12	2.5.7	2.5-243	Response to RAI No. 22 Luminant Letter no.TXNB-09035 Date 8/28/2009	Added references for RAI response.	-
RCOL2_02.05.01-05	2.5.1.1.3.1	2.5-10	Response to RAI No. 21 Luminant Letter no.TXNB-09035 Date 8/28/2009	Changed southeastern to southwestern.	-
RCOL2_02.05.01-01	2.5.1.1.3.1 2.5.1.1.3.2	2.5-11 2.5-12	Response to RAI No. 14 Luminant Letter no.TXNB-09035 Date 8/28/2009	Revised subsection for RAI response.	-
RAI_02.05.02-02	2.5.2.2.1.	2.5-72	Response to RAI No. 11 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.02-06	2.5.2.4.2.3.3.2 2.5.7	2.5-102 2.5-228	Response to RAI No. 11 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsections for RAI response.	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
RAI_02.05.02-08	2.5.2.5 2.5.2.5.1	2.5-109 2.5-110 2.5-111 2.5-167	Response to RAI No. 11 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.02-08	Figure 2.5.1-221	-	Response to RAI No. 11 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised Figure 2.5.1-221 for RAI response.	-
RAI_02.05.02-11	2.5.2.1	2.5-70	Response to RAI No. 11 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.02-14	2.5.2.2.4.2.3.1	2.5-93	Response to RAI No. 11 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.02-18	2.5.2.4	2.5-109	Response to RAI No. 11 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.02-19	Figure 2.5.2-234	-	Response to RAI No. 11 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised Figure 2.5.2-234 for RAI response.	-
RAI_02.05.04-13	2.5.4.5.4.1.1	2.5-178 2.5-179	Response to RAI No. 22 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
RAI_02.05.04-18	2.5.4.10.5	2.5-192	Response to RAI No. 22 Luminant Letter no.TXNB-09042 Date 9/10/2009	Added references for RAI response.	-
RAI_02.05.04-19	Figure 2.5.4-242 Figure 2.5.4-243	-	Response to RAI No. 22 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised Figures 2.5.4-242 and 2.5.4-243 for RAI response.	-
RAI_02.05.04-20	2.5.4.5.2 2.5.4.5.4.6.1	2.5-176 2.5-181	Response to RAI No. 22 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.04-21	2.5.4.10.2	2.5-191	Response to RAI No. 22 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.01-6	2.5.1.1.4.2	2.5-14	Response to RAI No. 21 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.01-8	2.5.7	2.5-210	Response to RAI No. 21 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.01-11	2.5.1.1.4.3.6	2.5-26	Response to RAI No. 21 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.01-15	2.5.1.2.4 2.5.1.2.4.1	2.5-47 2.5-48	Response to RAI No. 21 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsections for RAI response.	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
RAI_02.05.01-15	Figure 2.5.1-220	-	Response to RAI No. 21 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised Figure 2.5.1-220 for RAI response.	-
RAI_02.05.01-16	2.5.1.2.4.2	2.5-48	Response to RAI No. 21 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.01-16	Figure 2.5.1-217	-	Response to RAI No. 21 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised Figure 2.5.1-217 for RAI response.	-
RAI_02.05.01-17	2.5.1.2.5.1	2.5-51	Response to RAI No. 21 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-
RAI_02.05.01-17	List of Figures	2-xlvii	Response to RAI No. 21 Luminant Letter no.TXNB-09042 Date 9/10/2009	Figures 2.5.1-231 and 2.5.1-232 were added for RAI response.	-
RAI_02.05.01-20	Figure 2.5.1-204 Figure 2.5.1-207 Figure 2.5.1-208 Figure 2.5.1-229	-	Response to RAI No. 21 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised Figure 2.5.1-204, -Figure 2.5-207, Figure 2.5-208, and Figure 2.5-229.	-
RAI_02.05.01-20	2.5.7	2.5-228	Response to RAI No. 21 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
RAI_02.05.03-02	2.5.3.2.1	2.5-48 2.5-118	Response to RAI No. 18 Luminant Letter no.TXNB-09042 Date 9/10/2009	Subsection 2.5.3.2.1 added. For RAI response.	-
RAI_02.05.03-03	2.5.3.8.2.2	2.5-120	Response to RAI No. 18 Luminant Letter no.TXNB-09042 Date 9/10/2009	Revised subsection for RAI response.	-

Chapter 3

Chapter 3 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00638	3.3.1.2	3.3-1	Clarification	Add “CPNPP Units 3 and 4 do not have site-specific seismic category II buildings and structures”.	0
CTS-00600	3.7.1	3.7-3	Editorial correction	Change “is” to “has been”.	0
MAP-03-001	3.7.4.2 3.7.5	3.7-12 3.7-14	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.7(15)	0
MAP-03-002	3.7.4.5 3.7.5	3.7-12 3.7-13 3.7-14	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.7(18)	0
CTS-00532	Table 3.7.2-1R	3.7-17 3.7-18	Editorial correction	Revise LMN to highlight changes.	0
MAP-03-003	3.8.1.4.1.3 3.8.6	3.8-1 3.8-13 3.8-14	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.8(1)	0
MAP-03-004	3.8.1.5.1.2 3.8.1.5.2.2 3.8.6	3.8-1 3.8-1 3.8-14	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.8(2)	0
CTS-00602	3.8.1	3.8-2	Clarification	Change “Chapter 2” to “Subsection 2.5.4”.	0
MAP-03-005	3.8.1.6 3.8.6	3.8-2 3.8-14	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.8(4)	0
MAP-03-006	3.8.1.6 3.8.6	3.8-2 3.8-14	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.8(5)	0

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
MAP-03-007	3.8.1.6 3.8.6	3.8-2 3.8-14	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.8(6)	0
MAP-03-008	3.8.1.6 3.8.6	3.8-3 3.8-14	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.8(8)	0
MAP-03-009	3.8.1.6 3.8.6	3.8-3 3.8-14	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.8(9)	0
MAP-03-010	3.8.1.6 3.8.6	3.8-3 3.8-14	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.8(12)	0
MAP-03-011	3.8.1.6 3.8.6	3.8-3 3.8-14	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.8(13)	0
CTS-00607	3.8.4.1.3.2	3.8-6 3.8-7	Editorial correction	Change “the ESW pump houses” to “UHS ESW pump house”.	0
MAP-03-012	3.8.4.7	3.8-11	Revision of COL 3.8(22) Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Change “Monitoring of seismic category I structures is required to be performed” to “a site-specific program for monitoring and maintenance of seismic category I structures is performed”.	0
CTS-00603	Table 3.9-202	3.8-18	Consistent with DCD Rev.1	Change unit and number in the table.	0
CTS-00604	3.9.3.4.2.5	3.9-2	Editorial correction	Clarify wording.	0
CTS-00531	3.9.3.4.2.5	3.9-2	Editorial correction	Change “are” to “is”.	0

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00605	Table 3.9-201	3.9-5	Editorial correction	Change COL item number.	0
MAP-03-014	3.10 3.10.7	3.10-1 3.10-3	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.10(10)	0
CTS-00606	3.11	3.11-1	Clarification	Replace EQ program implementation dates with milestones.	0
CTS-00639	3.11.5	3.11.3	Editorial correction	Change “Table 3D-201 by completion of [Later]” to “the Equipment EQ Technical Report (Reference 3.11.3)”.	0
MAP-03-015	3.13.1.2.3 3.13.3	3.13-1 3.13-2	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.13(1)	0
MAP-03-016	3.13.1.2.5 3.13.3	3.13-1 3.13-2	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 3.13(2)	0
DCD_3.5.1.1-04	3.5	3.5-1 3.5-4	Reflect Response to DCD RAI No. 127	Change section number and title	3
RCOL2_03.05.01.03-1	3.5.1.3.2	3.5-2	Response to RAI No. 12 Luminant Letter no.TXNB-09033 Date 08/24/2009	Inserted a description of turbine valve test frequency.	-
RCOL2_10.04.08-1	Table 3.2-201	3.2-5	Response to RAI No. 17 Luminant Letter no.TXNB-09034 Date 08/24/2009	For Item #4 under the “System and Components” column for the Startup steam generator (SG) blowdown system, correct the information for the Equipment Class, location, Quality Group, Codes and Standards, and Seismic	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
				Category. In addition, modify Note 1.	
DCD_03.02.01-6	3.2.1	3.2-5	Reflect Response to DCD RAI No. 287	Change the description of note and add note.	4
CTS-00804	3.2.1	3.2-5	Editorial correction	Left-justify first column	4
RCOL2_03.10-02	3.10	3.10-1	Revision of COL 3.10(3) Response to RAI No. 25 Luminant Letter no.TXNB-09047 Date 09/22/2009	Change "As part of the …testing phase."to "The file…Table 13.4-201."	-
RCOL2_03.10-01	3.10.4.1	3.10-2	Revision of COL 3.10(1) Response to RAI No. 25 Luminant Letter no.TXNB-09047 Date 09/22/2009	Change "The plan for…by December 2008."to "Technical Report MUAP-08015…during plant operation."	-
RCOL2_03.06.02-01	3.6.1.3	3.6-1	Revision of COL 3.6(1) Response to RAI No. 27 Luminant Letter no.TXNB-09047 Date 09/22/2009	Change "There is no site specific…to safely shut down the plant."to "The site-specific systems…to safely shut down the plant."	-
MAP-03-017	3.6.2.1	3.6-1	Revision of COL 3.6(4) consistent with DCD Rev.2	Revise description to clearly state that the failure of site-specific moderate energy piping does not affect safety function.	6
MAP-03-018	3.6.2.5 3.6.4	3.6-2	Consistent with DCD Rev.2	Delete COL 3.6(6)	6
MAP-03-019	3.7.2.3.4 3.7.5	3.7-7 3.7-14	Consistent with DCD Rev.2	Delete COL 3.7(11)	6

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
MAP-03-020	3.7.2.8	3.7-10	Revision of COL 3.7(9) consistent with DCD Rev.2	Identify the potential impact of the non-seismic Category I structures on the site-specific Category I structures.	6
MAP-03-021	3.7.4.6	3.7-13	Consistent with DCD Rev.2	Change “implementation plan” to “program”	6
MAP-03-023	3.8.1.7	3.8-3	Clarification in DCD Rev.2	Delete “site specific”	6
MAP-03-024	3.9.6	3.9-2	Revision of COL 3.9(8) consistent with DCD Rev.2	Change sentences to address the COL item with a more precise and concise discussion.	6
MAP-03-025	3.9.6.3 3.9.9	3.9-2 3.9-4	Consistent with DCD Rev.2	Delete COL 3.9(7)	6
CTS-00829	Table 3.9-202 3.9-203	From 3.9-7 To 3.9-12	Editorial correction	Correct COL item number	6
CTS-00868	3.10.2	3.10-2	Revise COL 3.10(5)	Change “equipment” to “components”. And add sentence in last paragraph “Results…program.”	6

~~includes a description of the layout of all piping systems where physical arrangement of the piping systems provides the required protection, the design basis of structures and compartments used to protect nearby essential systems or components, or the arrangements to assure the operability of safety related features where neither separation nor protective enclosures are practical. Additionally, the evaluation report provides the failure modes and effect analyses that verifies the consequences of failures in site specific moderate energy piping does not affect the ability to safely shut down the plant.~~ RCOL2_03.06.02-1

3.6.2.1 Criteria used to Define Break and Crack Location and Configuration

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STD COL 3.6(4) Replace the second paragraph in DCD Subsection 3.6.2.1 with the following.

There is no site-specific high-energy piping in CPNPP Units 3 and 4. ~~The criteria also apply for defining pipe break and crack locations and configurations, and the locations and configurations of design basis pipe breaks and cracks, for site specific moderate energy piping systems. The postulated rupture orientation of each postulated break location is identified for the site specific moderate energy piping systems. The as built configuration of site specific moderate energy lines will also be evaluated to this criterion. As built inspections will be completed, prior to system turnover for testing and operation, to verify that the installed piping, support locations, types, component locations are consistent with the design intent, and as built drawings are produced showing component locations and support locations and types that confirm this consistency.~~ The site-specific moderate energy piping systems in CPNPP Units 3 and 4 are the ESWS and the FSS. A failure in the ESWS and FSS piping does not affect the safety function of the ESWS and the UHS that are required for a design basis accident and for safe shutdown, as described in Subsection 3.6.1.3. MAP-03-017

~~**3.6.2.5 Implementation of Criteria Dealing with Special Features**~~ MAP-03-018

~~STD COL 3.6(6) Replace the sentence in DCD Subsection 3.6.2.5 with the following.~~

~~The criteria dealing with special features will be implemented prior to fabrication and installation of piping and components. Special features include an augmented inservice inspection (ISI) program or use of special protective devices such as pipe whip restraints, including diagrams showing their final configurations, locations, and orientations in relation to break locations.~~

3.6.4 Combined License Information

Replace the content of DCD Subsection 3.6.4 with the following.

STD COL 3.6(1) ***3.6(1)*** *Postulated failures associated with site-specific piping*

This COL item is addressed in Subsection 3.6.1.3.

3.6(2) *Deleted from the DCD.*

3.6(3) *Deleted from the DCD.*

STD COL 3.6(4) ***3.6(4)*** *Criteria used to define break and crack location and configuration for site-specific piping.*

This COL item is addressed in Subsection 3.6.2.1.

3.6(5) *Deleted from the DCD.*

~~STD COL 3.6(6)~~ ***3.6(6)*** *Deleted from the DCD.* ~~*Criteria for special features*~~ MAP-03-018

~~*This COL item is addressed in Subsection 3.6.2.5.*~~

3.6(7) *Deleted from the DCD.*

3.6(8) *Deleted from the DCD.*

3.6(9) *Deleted from the DCD.*

- PSFSVs (seismic category I). A three-dimensional site-specific SASSI (Reference 3.7-17) finite element (FE) model is used for seismic analysis. The PSFSV analytical model is discussed in Appendix 3MM.

- ESWPT (seismic category I). Three-dimensional site-specific SASSI (Reference 3.7-17) FE models are used for seismic analysis. The ESWPT analytical models are discussed in Appendix 3LL.

- UHSRS (seismic category I). Three-dimensional site-specific SASSI (Reference 3.7-17) FE models are used for seismic analysis. The UHSRS analytical model is discussed in Appendix 3KK.

- To account for seismic response of site-specific seismic category I yard piping and conduits routed within reinforced concrete duct banks (solid) or reinforced concrete chases (hollow), a nominal FIRS (FIRS4) was developed considering a wide range of potential variation of the site-specific backfill properties. The FIRS4 was compared to and found to be enveloped by the minimum required design response spectrum. The artificial time histories corresponding to the minimum response spectra are developed in compliance with SRP 3.7.1 (Reference 3.7-10), Option 1, Approach 2, and independently from (not scaled from) the CSDRS time histories. This forms a basis for seismic design of these items which therefore accounts for the site-specific soil media (backfill) characteristics and the site-specific earthquake.

~~**3.7.2.3.4 Subsystem Coupling Requirements**~~ MAP-03-019

CP COL 3.7(11) ~~Replace the last two sentences of the third paragraph in DCD Subsection 3.7.2.3.4 with the following.~~

~~The polar crane and fuel handling crane manufacturers are selected and a site-specific design of these cranes will be performed prior to construction. The site-specific seismic analysis and design of the cranes consider their masses and frequencies, and are coupled with the building analyses as required by ASME NOG-1 (Reference 3.7-22) or SRP 3.7.2 (Reference 3.7-16).~~

3.7.2.4.1 Requirements for Site-Specific SSI Analysis of US-APWR Standard Plant

CP COL 3.7(25) Replace the first and second paragraph in DCD Subsection 3.7.2.4.1 with the following.

The range of subgrade properties considered in the A/B and T/B SSI lumped parameter models envelope site-specific variations related to subgrade stratigraphy and foundation flexibility. Since the basemat embedment effects are neglected, this also yields conservative results which envelope the site-specific responses.

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

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CP COL 3.7(10) Replace the last sentence of the fifth paragraph in DCD Subsection 3.7.2.8 with the following.

Structure-to-structure interactions, which could potentially influence the measured seismic response levels, will not occur because the R/B and PS/B are both founded on the same very stiff limestone layer and are separated by expansion joints which prevent seismic interaction.

Site-specific conditions at CPNPP Units 3 and 4 do not result in exceedance of the assumed pressure distributions used for the US-APWR standard plant design.

CP COL 3.7(9) Replace the seventh paragraph in DCD Subsection 3.7.2.8 with the following.

~~There are no installations of site specific seismic category I SSCs (e.g., buried yard piping or duct banks) that could be impacted by a potential collapse or failure of the non-seismic category I structures. Final locations of safety-related SSCs in the plant yard adjacent to the AC/B, including those which may be field routed, will be reviewed prior to first fuel load to assure that distances away from the AC/B and/or burial depths are sufficient to prevent potential failure effects that could jeopardize their function and integrity.~~The site-specific Category I SSCs are the Ultimate Heat Sink Related Structure (UHSRS), the Essential Service Water Pipe Tunnel (ESWPT), and the Power Source Fuel Storage Vault (PSFSV). The layout design of the site-specific seismic Category I SSCs ensures that there are no adjacent non-seismic Category I structures which may adversely affect these structures to protect them from structural failure of non-seismic Category I structures. MAP-03-020

3.7.2.13 Methods of Seismic Analysis of Dams

CP COL 3.7(27) Replace the paragraph in DCD Subsection 3.7.2.13 with the following.

~~3.7.4.5 Instrument Surveillance (Including Calibration and Testing)~~ MAP-03-002

STD COL 3.7(18) ~~Replace the fourth paragraph in DCD Subsection 3.7.4.5 with the following.~~

~~A site-specific seismic instrumentation program that includes an instrument surveillance program as well as calibration and testing procedures, and site-specific maintenance and repair procedures that maximize the number of instruments in service during plant operation and shutdown, will be established at least 12 months prior to first fuel load.~~

3.7.4.6 Program Implementation

CP COL 3.7(19) Replace the paragraph in DCD Subsection 3.7.4.6 with the following.

The seismic instrumentation program ~~implementation plan~~ for CPNPP Units 3 and 4 will be established at least 12 months prior to first fuel load. MAP-03-021

3.7.5 Combined License Information

Replace the content of DCD Subsection 3.7.5 with the following.

CP COL 3.7(1) ***3.7(1)*** *Site-specific PGA*

This COL item is addressed in Subsection 3.7.1.1.

CP COL 3.7(2) ***3.7(2)*** *Analysis of Site-specific FIRS and Site-independent CSDRS*

This COL item is addressed in Subsection 3.7.1.1.

CP COL 3.7(3) ***3.7(3)*** *Analytical models for site-specific buildings and structures*

This COL item is addressed in Subsection 3.7.2.3.1*, and Appendices 3KK, 3LL, and 3MM*

CP COL 3.7(4) ***3.7(4)*** *Damping values for site-specific ISRS*

This COL item is addressed in Subsection 3.7.1.2.

CP COL 3.7(5) ***3.7(5)*** *Horizontal FIRS, Vertical FIS, and Minimum Response Spectra*

This COL item is addressed in Subsection 3.7.1.1 , Tables 3.7-201, 3.7-202*, and* Figures 3.7-201, 3.7-202*, and* 3.7-203.

CP COL 3.7(6) ***3.7(6)*** *Site-specific GMRS and FIRS*

This COL item is addressed in Section 3.7 *and* Figure 3.7-201.

CP COL 3.7(7) ***3.7(7)*** *Allowable dynamic bearing capacity*

This COL item is addressed in Subsection 3.7.1.3*,* Table 3.7-203*, and* Table 3.8-202*.*

CP COL 3.7(8) ***3.7(8)*** *Strain-dependent variation of material dynamic properties*

This COL item is addressed in Subsection 3.7.2.4.1*.*

CP COL 3.7(9) ***3.7(9)*** *Failure or collapse of non-seismic category I structures*

This COL item is addressed in Subsection 3.7.2.8*.*

CP COL 3.7(10) ***3.7(10)*** *Structure-to-structure interaction*

This COL item is addressed in Subsection 3.7.2.8*.*

~~CP COL 3.7(11)~~ ***3.7(11)*** *Deleted from the DCD.~~Mass and frequencies of cranes~~* MAP-03-019

~~*This COL item is addressed in* Subsection 3.7.2.3.4.~~

CP COL 3.7(12) ***3.7(12)*** *Liquid-retaining metal tanks*

This COL item is addressed in Subsection 3.7.3.9 *and* Appendix 3MM*.*

CP COL 3.7(13) ***3.7(13)*** *Value of OBE to define criteria for shutdown*

This COL item is addressed in Subsection 3.7.1.1*.*

CP COL 3.7(14) ***3.7(14)*** *Seismic instrumentation at multiple-unit site*

This COL item is addressed in Subsection 3.7.4.3*.*

~~CP COL 3.7(15)~~ ***3.7(15)*** *Deleted from the DCD.~~Time history analyzer/recorder capabilities~~* MAP-03-001

~~*This COL item is addressed in* Subsection 3.7.4.2.~~

CP COL 3.7(16) ***3.7(16)*** *Seismic monitors and need for free-field motion sensors*

The COL item is addressed in Subsection 3.7.4.1*.*

3.7(17) *Deleted from the DCD.*

~~STD COL 3.7(18)~~ ***3.7(18)*** *Deleted from the DCD.~~Site-specific instrument surveillance program~~* MAP-03-002

~~*This COL item is addressed in* Subsection 3.7.4.5.~~

CP COL 3.7(19) ***3.7(19)*** *Site-specific details of seismic instrumentation implementation plan*

This COL item is addressed in Subsection 3.7.4.6*.*

STD COL 3.8(9) ~~Replace the first sentence of the thirteenth paragraph in DCD Subsection 3.8.1.6 with the following.~~ MAP-03-009

~~A site-specific specification will be prepared for the PCCV personnel airlocks and equipment hatch prior to start of procurement.~~

CP COL 3.8(10) Replace the second and third sentences of the eighteenth paragraph in DCD Subsection 3.8.1.6 with the following.

The prestressing system is designed as a strand system.

STD COL 3.8(12) ~~Replace the bullet of the twenty-fourth paragraph in DCD Subsection 3.8.1.6 with the following.~~ MAP-03-010

~~A site-specific specification will be developed per RG 1.136 (Reference 3.8-3) for the material requirements of the prestressing system, which also includes the material and special material testing requirements, and references Article CC-2400 of the ASME Code, Section III (Reference 3.8-2) for items, where applicable, prior to start of procurement.~~

STD COL 3.8(13) ~~Replace the first sentence of the thirty-first paragraph in DCD Subsection 3.8.1.6 with the following.~~ MAP-03-011

~~A site-specific specification that covers the material and special material testing requirements for the reinforcing steel system, including bars and splices and all material conforming to Article CC-2300 of ASME Code, Section III (Reference 3.8-2), will be developed prior to start of procurement.~~

3.8.1.7 Testing and Inservice Inspection Requirements

STD COL 3.8(14) Replace the third paragraph in DCD Subsection 3.8.1.7 with the following.

A ~~site-specific~~ preservice inspection (PSI) program for the PCCV will be completed at least 12 months prior to initial fuel load. ISI are performed during the initial and subsequent 10 year intervals as identified in Subsections IWE and IWL Article 2000, Examination Program B. The PCCV PSI and ISI programs include preservice examination, testing and ISI requirements, and also address personnel qualification requirements and responsibilities. The PCCV ISI program also provides detailed inspection plans and surveillance schedules consistent with those of the integrated leak rate test (ILRT) program, which is discussed further below and in Subsection 6.2.6. ASME Code Section XI requirements incorporated by reference in 10 CFR 50.55a on the date 12 months prior to issuance of the operating license, and optional ASME code cases endorsed by the NRC via RG MAP-03-023

The design specification for snubbers installed in harsh service conditions (e.g., high humidity, temperature, radiation levels) ~~assures that snubber functionality including snubber materials (e.g., lubricants, hydraulic fluids, seals), are~~is evaluated for the projected life of the snubber to assure that snubber functionality including snubber materials (e.g., lubricants, hydraulic fluids, seals). CTS-00604 CTS-00531

3.9.6 Functional Design, Qualification, and Inservice Testing Programs for Pumps, Valves, and Dynamic Restraints

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STD COL 3.9(8) Replace the second sentence of the third paragraph in DCD Subsection 3.9.6 with the following.

~~The edition and addenda used for the inservice testing (IST) program for pumps, valves, and dynamic restraints is administratively controlled as part of the operational program procedures. The preservice test program is implemented as described in Section 13.4. The requirements of functional testing for pumps, valves, and dynamic restraints will be in accordance with the IST program plan outlined 12 months prior to fuel load.~~The inservice testing (IST) program for pumps, valves, and dynamic restraints is administratively controlled to ensure that the equipment will be capable of performing its safety function throughout the life of the plant. MAP-03-024

3.9.6.2 IST Program for Pumps

CP COL 3.9(11) Replace the third paragraph in DCD Subsection 3.9.6.2 with the following.

The site-specific safety-related pump IST parameters and frequency is provided in Table 3.9-202.

3.9.6.3 IST Program for Valves

STD COL 3.9(12) Replace the fifth paragraph in DCD Subsection 3.9.6.3 with the following.

The type of testing and frequency of site-specific valves subject to IST in accordance with the ASME Code is provided in Table 3.9-203.

~~STD COL 3.9(7)~~ ~~Replace the last sentence of the eleventh paragraph in DCD Subsection 3.9.6.3 with the following.~~ MAP-03-025

~~Any alternate method for verification of valve position indicator operation, and its justification, is described in the IST program plan outlined 12 months prior to fuel load.~~ MAP-03-025

3.9.6.3.1 IST Program for MOVs

STD COL 3.9(9) Replace the second sentence of the third paragraph in DCD Subsection 3.9.6.3.1 with the following.

The IST program plan identifies those motor operated valves (MOVs) that require non-intrusive testing technique.

3.9.6.4 IST Program for Dynamic Restraints

STD COL 3.9(6) Replace the second paragraph in DCD Subsection 3.9.6.4 with the following.

The IST program plan for dynamic restraints (snubbers) complies with the requirements in the latest edition and addenda of ASME OM Code incorporated by reference in 10 CFR 50.55a (Reference 3.9-29). The IST program for dynamic restraints will be described based on the IST program plan outlined 12 months prior to fuel load.

3.9.9 Combined License Information

Replace the content of DCD Subsection 3.9.9 with the following.

STD COL 3.9(1) ***3.9(1)*** *Snubber functionality*

This COL item is addressed in Subsection 3.9.3.4.2.5

CP COL 3.9(2) ***3.9(2)*** *Classification of CPNPP Unit 3 reactor internals as prototype*

This COL item is addressed in Subsection 3.9.2.4.1.

3.9(3) *Deleted from the DCD.*

3.9(4) *Deletedfrom the DCD.*

3.9(5) *Deletedfrom the DCD.*

STD COL 3.9(6) ***3.9(6)*** *Program plan for IST of dynamic restraints*

This COL item is addressed in Subsection 3.9.6.4.

~~STD COL 3.9(7)~~ ***3.9(7)*** *Deleted from the DCD.* ~~*Alternate method of valve position indicator operation*~~ MAP-03-025

~~*This COL item is addressed in* Subsection 3.9.6.3.~~

STD COL 3.9(8) ***3.9(8)*** *Administrative control of the edition and addenda used for the IST program plan*

This COL item is addressed in Subsection 3.9.6.

STD COL 3.9(9) ***3.9(9)*** *Non-intrusive diagnostic testing of MOVs*

This COL item is addressed in Subsection 3.9.6.3.1.

CP COL 3.9(10) ***3.9(10)*** *Site-specific active pumps*

This COL item is addressed in Subsection 3.9.3.3.1*, and* Table 3.9-201.

CP COL 3.9(11) ***3.9(11)*** *Site-specific, safety-related pump IST parameters and frequency*

This COL item is addressed in Subsection 3.9.6.2*, and* Table 3.9-202.

CP COL 3.9(12) ***3.9(12)*** *Testing and frequency of site-specific valves subject to IST*

This COL item is addressed in Subsection 3.9.6.3*, and* Table 3.9-203.

Table 3.9-202

CP COL 3.9(11)
~~CP COL 3.9(13)~~

Site-Specific Pump IST Requirements

CTS-00829

Tag No.	Description	Pump Type	ASME IST Category	Required Test				Test Frequency	Acceptance Criteria
				Outlet Flow	Differential Pressure	Vibration	Speed		
UHS-OPP-001A	A-UHS Water Transfer Pump	Vertical Line Shaft Centrifugal	B	O	-	O	N/A (constant speed induction motor)	(1)Quarterly, Required Test is conducted (2)Biennially, Comprehensive Test is conducted	Table ISTB-5221-1 in ASME OM Code-2004 is applied.
UHS-OPP-001B	B-UHS Water Transfer Pump	Vertical Line Shaft Centrifugal	B	O	-	O	N/A (constant speed induction motor)	(1)Quarterly, Required Test is conducted (2)Biennially, Comprehensive Test is conducted	Table ISTB-5221-1 in ASME OM Code-2004 is applied.
UHS-OPP-001C	C-UHS Water Transfer Pump	Vertical Line Shaft Centrifugal	B	O	-	O	N/A (constant speed induction motor)	(1)Quarterly, Required Test is conducted (2)Biennially, Comprehensive Test is conducted	Table ISTB-5221-1 in ASME OM Code-2004 is applied.
UHS-OPP-001D	D-UHS Water Transfer Pump	Vertical Line Shaft Centrifugal	B	O	-	O	N/A (constant speed induction motor)	(1)Quarterly, Required Test is conducted (2)Biennially, Comprehensive Test is conducted	Table ISTB-5221-1 in ASME OM Code-2004 is applied.

CP COL 3.9(12)

~~CP COL 3.9(14)~~

Table 3.9-203 (Sheet 1 of 6)

Site-Specific Valve IST Requirements

CTS-00829

Valve Tag Number	Description	Valve Type	Safety-Related Missions	Safety Functions	ASME IST Category	Inservice Testing Type and Frequency	IST Notes
UHS-VLV-502A	A-UHS Transfer Pump Discharge Check Valve	Check	Transfer Close Transfer Open	Active	BC	Check Exercise / Refueling Outage	3
UHS-VLV-502B	B-UHS Transfer Pump Discharge Check Valve	Check	Transfer Close Transfer Open	Active	BC	Check Exercise / Refueling Outage	3
UHS-VLV-502C	C-UHS Transfer Pump Discharge Check Valve	Check	Transfer Close Transfer Open	Active	BC	Check Exercise / Refueling Outage	3

Table 3.9-203 (Sheet 2 of 6)

CP COL 3.9(12)

~~CP COL 3.9(14)~~

Site-Specific Valve IST Requirements

CTS-00829

Valve Tag Number	Description	Valve Type	Safety-Related Missions	Safety Functions	ASME IST Category	Inservice Testing Type and Frequency	IST Notes
UHS-VLV-502D	D-UHS Transfer Pump Discharge Check Valve	Check	Transfer Close Transfer Open	Active	BC	Check Exercise / Refueling Outage	3
UHS-MOV-503A	A-UHS Transfer Pump Discharge Valve	Remote	Maintain Close Transfer Close Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6
UHS-MOV-503B	B-UHS Transfer Pump Discharge Valve	Remote	Maintain Close Transfer Close Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6

CP COL 3.9(12)

~~CP COL 3.9(14)~~

Table 3.9-203 (Sheet 3 of 6)

Site-Specific Valve IST Requirements

CTS-00829

Valve Tag Number	Description	Valve Type	Safety-Related Missions	Safety Functions	ASME IST Category	Inservice Testing Type and Frequency	IST Notes
UHS-MOV-503C	C-UHS Transfer Pump Discharge Valve	Remote	Maintain Close Transfer Close Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6
UHS-MOV-503D	D-UHS Transfer Pump Discharge Valve	Remote	Maintain Close Transfer Close Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6
UHS-MOV-506A	A-UHS Transfer Line Basin Inlet Valve	Remote	Maintain Close Transfer Close Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6

Table 3.9-203 (Sheet 4 of 6)

CP COL 3.9(12)

CP COL 3.9(14)

Site-Specific Valve IST Requirements

CTS-00829

Valve Tag Number	Description	Valve Type	Safety-Related Missions	Safety Functions	ASME IST Category	Inservice Testing Type and Frequency	IST Notes
UHS-MOV-506B	B-UHS Transfer Line Basin Inlet Valve	Remote	Maintain Close Transfer Close Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6
UHS-MOV-506C	C-UHS Transfer Line Basin Inlet Valve	Remote	Maintain Close Transfer Close Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6
UHS-MOV-506D	D-UHS Transfer Line Basin Inlet Valve	Remote	Maintain Close Transfer Close Transfer Open	Active Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6

Table 3.9-203 (Sheet 5 of 6)

CP COL 3.9(12)

CP COL 3.9(14)

Site-Specific Valve IST Requirements

CTS-00829

Valve Tag Number	Description	Valve Type	Safety-Related Missions	Safety Functions	ASME IST Category	Inservice Testing Type and Frequency	IST Notes
ESW-HVC-2000	A-UHS Basin Blowdown Control Valve	Remote	Maintain Close Transfer Close	Active-to-Fail Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6
ESW-HVC-2001	B-UHS Basin Blowdown Control Valve	Remote	Maintain Close Transfer Close	Active-to-Fail Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6
ESW-HVC-2002	C-UHS Basin Blowdown Control Valve	Remote	Maintain Close Transfer Close	Active-to-Fail Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6

Table 3.9-203 (Sheet 6 of 6)

CP COL 3.9(12)

CP COL 3.9(14)

Site-Specific Valve IST Requirements

CTS-00829

Valve Tag Number	Description	Valve Type	Safety-Related Missions	Safety Functions	ASME IST Category	Inservice Testing Type and Frequency	IST Notes
ESW-HVC-2003	D-UHS Basin Blowdown Control Valve	Remote	Maintain Close Transfer Close	Active-to-Fail Remote Position	B	Remote Position Indication, Exercise/2 Years Exercise Full Stroke/Cold Shutdown Operability Test	6

Notes:

1) Not used.
2) Not used.
3) The check valve exercise test is performed during refueling outage. Valves in the inaccessible primary containment can not be tested during power operation. Test of valves in operating systems may cause impact of power operation. Simultaneous testing of valves in the same system group will be considered.
4) Not used.
5) Not used.
6) Exercising these valves would stop necessary line for operation such as utilities etc. Therefore, exercise testing will be performed at cold shutdown to avoid impact on power operation.
7) Not used.
8) Not used.
9) Not used.
10) Not used.
11) Not used.
12) Not used.

~~The equipment seismic qualification program describes, in detail, the practices followed in seismic and dynamic qualification, including site specific aspects such as site specific seismic response spectra, and criteria, methods, and procedures used in conducting testing and analysis. The program includes establishment of an equipment qualification database which is shared with the environmental qualification (EQ) program discussed in Section 3.11.~~ MAP-03-014

3.10.1 Seismic Qualification Criteria

CP COL 3.10(8) Replace the last sentence of third paragraph in DCD Subsection 3.10.1 with the following.

For design of seismic category I and seismic category II SSCs that are site-specific (not part of the standard plant), the OBE is set at 1/3 of the site-specific SSE, as discussed in Subsection 3.7.1.1, and is therefore eliminated from explicit design analysis, except for fatigue effects as explained below.

3.10.2 Methods and Procedures for Qualifying Mechanical and Electrical Equipment and Instrumentation

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CP COL 3.10(9) Replace the last two sentences of the fourth paragraph in DCD Subsection 3.10.2 with the following.

However, the site-specific GMRS and FIRS as reported in Section 3.7 do not exceed the CSDRS. Therefore, high frequency exceedances of in-structure response spectra and subsequent potential effects on the functional performance of vibration-sensitive components, such as relays and other instrument and control devices, whose output could be affected by high frequency excitation, are not applicable.

CP COL 3.10(5) Replace the twenty-sixth paragraph (starts with “Components that have been previously tested …”) in DCD Subsection 3.10.2 with the following.

Components that have been previously tested to IEEE Std 344-1971 prior to submittal of the DCD will be reevaluated six months prior to procurement of equipment to justify the appropriateness of the input motion and requalify the ~~equipment~~components using biaxial test input motion, except when a single-axis test input motion is justified. Results of the reevaluation and requalification of the above described components are incorporated into the equipment environmental qualification program. CTS-00868

Chapter 4

Chapter 4 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
MAP_4.4.7-2	4.4	4.4-1	To be consistent with next DCD revision (Rev.2)	Delete COL 4.4 (1) and associated description	4

Chapter 5

Chapter 5 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00528	5.2.1.2	5.2-1	Editorial correction	Include words about RG 1.84.	0
CTS-00675	5.2.1.2	5.2-1	Editorial correction	Add "Units 3 and 4" after Comanche Peak Nuclear Power Plant. Delete a period in LMN	0
RCOL2_05.03-1	5.3.2.3	5.3-3	Responses to RAI No. 2 Luminant Letter TXNB-09010 Dated 5/1/2009	Add clarification about the timing of submitting PTS evaluation using the as–procured reactor vessel material properties.	-
RCOL2_05.03.02-2	5.3.2.1	5.3-2 5.3-3	Response to RAI No. 8 Luminant Letter no.TXNB-09028 Date 8/7/2009	Include a commitment to update P/T limits before fuel load. The RAI No.2 change is superseded by RAI No. 8.	-
DCD_05.03.02-1	5.3.2.1	5.3-2	Reflect Response to DCD RAI No. 287	Stated that generic PTLR will be applied for CPNPP 3&4.	4

Chapter 6

Chapter 6 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00518 CTS-00644	6.4.4	6-i 6.4-1 6.4-3 1.8-43	To reflect resolution of acceptance review issue	Include dose evaluation in the control room due to a post-accident release from the other US-APWR unit or existing CPNPP unit.	0
	6.4.4		Editorial correction	Add Subsection “6.4.4.2” in Table 1.8-201 and Subsection 6.4.7.	0
CTS-00642	6.1	6.1-1	Update	All 6.1 COL Items have been deleted from the DCD. This FSAR section is now IBR with no departures or supplements.	0
MAP-06-001	6.1.1.2.2	6.1-2	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.1(1)	0
MAP-06-002	6.1.1.1	6.1-1 6.1-2	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.1(2)	0
MAP-06-003	6.1.1.2.1	6.1-1 6.1-2	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.1(3)	0
MAP-06-004	6.1.1.2.1	6.1-1 6.1-2	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.1(4)	0
MAP-06-005	6.1.2	6.1-2 6.1-3	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.1(5)	0
MAP-06-006	6.2.1.1.3.4 6.2.1.5.7	6.2-1 6.2-3	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.2(1)	0
MAP-06-007	6.2.2.3 Table 6.2.2-2R	6.2-1 6.2-4 6.2-6	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.2(9)	0
MAP-06-008	6.2.4.2	6.2-2 6.2-3	Deletion of COL item. Letter MHI Ref:UAP-	Delete COL 6.2(6)	0

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
			HF-08259, dated on Nov.7, 2008		
MAP-06-009	6.2.5.2	6.2-2 6.2-3	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.2(7)	0
DCD_06.02.06-2	6.2.6.1	6.2-3	DCD_RAI 06.02.06-2	Change “first sentence “ to “first and second sentences”.	0
CTS-00643	6.3	6.3-1	Update	All 6.3 COL Items have been deleted from the DCD. This FSAR section is now IBR with no departures or supplements.	0
MAP-06-011	6.3.2.8	6.3-1 6.3-2	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.3(3)	0
MAP-06-012	6.3.2.2.4	6.3-1 6.3-2	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.3(4)	0
MAP-06-013	6.3.2.4	6.3-1 6.3-2	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.3(6)	0
MAP-06-014	6.4.3 6.4.7	6.4-1 6.4-3	Revision of COL 6.4(2)	Revise COL Item to only discuss automatic actions and manual procedures for the MCR HVAC system in the event of postulated toxic gas release.	0
MAP-06-015	6.4.2.2.1	6.4-1 6.4-3	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.4(4)	0
CTS-00652	6.4.4.2 6.4.7	6.4-2 6.4-3	Re-evaluation of COL Item	Associate COL 6.4(2) with Subsection 6.4.4.2.	0
CTS-00653	6.4.4.2	6.4-3	Erratum	Change “5.2 ppm “ to “5.7 ppm”.	0
MAP-06-016	6.5.1.7	6.5-1	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 6.5(4)	0

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
MAP-06-018	6.6.8	6.6-1	Revision of COL 6.6(2)	Revise description to only identify the implementation milestone of the program.	0
CTS-00696	6.4.4.2	6.4-1	NRC Staff Reviewer Comment Incorporation from 03-23-25-09 Hazards Analysis Audit	Added pointer to Table 2.2-214 for toxic chemicals that do not meet RG 1.78 screening criteria.	1
DCD_06.01.02-1	6.1	6.1-1	Reflect Response to DCD RAI No. 365 revision 1	Added COL 6.1(7) coating program	4

Chapter 7

Chapter 7 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
RCOL2_7.04_1	7.4.1.6	7.4-1	Response to RAI No.4 Luminant Letter no.TXNB-09020 Date 5/26/2009	Add a description of reference; FSAR subsection 9.2.5.	-
RCOL2_7.05_1	7.5.1.6.2	7.5-1	Response to RAI No.5 Luminant Letter no. TXNB-09020 Date 5/26/2009	Revise the description of EOF capability. EOF has identical information as TSC and MCR, but does not control capability.	-
CTS-00721	Table 7.4-201	7.4-2	Editorial correction	Change the Safe shutdown column of ESWS from “No” to “Yes”.	4
DCD_07.05-17	7.5.1.1 7.5.4 Table 7.5-201	7.5-1 7.5-2 7.5-3	Reflect Response to DCD RAI No. 238	The descriptions of Site-specific type E PAM variables for metrological parameters are added.	4

Chapter 8

Chapter 8 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00451	List of Figures, Figure 8.2-201	8-iii 8.2-23	Editorial correction	Add “Relevant Portions of” to the title of the Figure 8.2-201.	0
CTS-00640	8.2.1.2	8.2-3	Editorial correction	Change “Any” to “Both of any”.	0
CTS-00686	8.2.1.2.1.1	8.2-5	Editorial correction	Delete “from”.	0
CTS-00641	8.2.1.2.1.1	8.2-6	Erratum	Change “is” to “are”.	0
CTS-00477	8.2	8.2-6	Clarification	Change description of offsite power system.	0
CTS-00479	8.4	8.4-1	Editorial correction	Change section title in bold font.	0
CTS-00722	8.3	8.3-2	COL item closure of the original COL Holder Items	Change the description of Grounding and Lightning Protection System design information.	4
RCOL2_08.03.01-1	Table 8.3.1-4R	8.3-6 8.3-7 8.3-8 8.3-9	Response to RAI No. 23 Luminant Letter no.TXNB-09040 Date 9/8/2009	Added “CP COL 9.2(6)” and “CP COL 9.2(20)” in left margin annotation of Table 8.3.1-4R sheets 1 to 4.	-
RCOL2_08.02-24	8.2.2.2	8.2-12	Response to RAI No. 24 Luminant Letter no.TXNB-09040 Date 9/8/2009	Replaced “almost same” with “in a similar manner” in the second sentence, and added “to be” in the last sentence of the last paragraph, for clarification.	-

Chapter 9

Chapter 9 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00586	9.2.1.2.1	9.2-1 9.2-2	Consistent with Subsection 9.4.5.2.6	Change “ESWP house” to “UHS ESW pump house”.	0
CTS-00608	9.4	9.4-7	Erratum	Change heating coil capacity of EFP (M/D) Area Air Handling Unit from “1 kW” to “2 kW”.	0
DCD_09.05.01-6	9.5.1.3 9.5.9	9.5-3 9.5-18	DCD_RAI 09.05.01-6	Add Subsection 9.5.1.3.	0
DCD_09.05.01-15	Table 9.5.1-1R	9.5-46	DCD_RAI 09.05.01-15	Add LMNs in Table 9.5.1-1R and Table 9.5.1.2R.	0
DCD_09.05.01-7	Table 9.5.1-1R	9.5-55	DCD_RAI 09.05.01-7	Add “see Subsection 9.5.1.3” to Table 9.5.1.1R.	0
DCD_09.05.01-5	Table 9.5.1-1R	9.5-56	DCD_RAI 09.05.01-5	Fill in Remarks on Table 9.5.1-1R.	0
DCD_09.05.01-15	Table 9.5.1-2R	9.5-112 9.5-113	DCD_RAI 09.05.01-15	Add LMNs in Table 9.5.1-1R and Table 9.5.1.2R.	0
DCD_09.02.04-1	9.2.10	9.2-12	Reflect Response to DCD RAI No. 125	Revised text in CP COL 9.2(10) for clarity.	3
DCD_09.02.04-2	9.2.10	9.2-13	Reflect Response to DCD RAI No. 125	Revised text in CP COL 9.2(16) for clarity.	3
DCD_09.02.01-4	9.2.1.2.1	9.2-1	Reflect Response to DCD RAI No. 326-2279, Question 4	Add a paragraph to CP COL 9.2(7) to define boundary between safety-related and non-safety-related boundary of the ESW as the vent and drain valves of the strainers and heat exchangers	5
DCD_09.02.01-17	9.2.1.2.1	9.2-1	Reflect Response to DCD RAI 326-2279, Question 17	Add CP COL 9.2(26) to identify maintenance and test procedures to monitor and flush out debris shall be implemented.	5
DCD_09.02.01-30	9.2.1.2.1	9.2-1	Reflect Response	Add CP COL 9.2(25) to	5

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
			to DCD RAI 326-2279, Question 30	clarify proper filling and venting procedures to prevent water hammer.	
DCD_09.02.01-30	9.2.1.3	9.2-2	Reflect Response to DCD RAI 326-2279, Question 30	Add second paragraph to COL 9.2(1) description of recovery procedures in the event that the UHS approaches low water level.	5
DCD_09.02.01-30	9.2.10	9.2-11	Reflect Response to DCD RAI 326-2279, Question 30	Add at the end of CP COL 9.2(1) “and recovery procedures when UHS approaches low water level.”	5
DCD_09.02.01-30	9.2.12	9.2-12	Reflect Response to DCD RAI 326-2279, Question 30	Revise CP COL 9.2(8) to read “The specific ESW chemistry requirements”	5
DCD_09.02.01-12,13,14,30	9.2.10	9.2-14	Reflect Response to DCD RAI 326-2279, Question 12,13,14 and 30	Add 9.2(25) The operating and maintenance procedures to address water hammer issues. This COL item is addressed in Subsections 9.2.1.2.1 and 13.5.2.1.	5
DCD_09.02.01-17	9.2.10	9.2-14	Reflect Response to DCD RAI 326-2279, Question 17	Add 9.2(26) Maintenance and test procedures to monitor and flush out debris. This COL item is addressed in Subsections 9.2.1.2.1 and 13.5.2.1	5
RCOL2_09.05.01-1	9.5.1.6.2.1.5	9.5-9	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Added clarification for retention of training records.	-
RCOL2_09.05.01-2	9.5.1.6.5	9.5-14	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Added clarification on the QA program for fire protection.	-
RCOL2_09.05.01-	9.5.1.6.4.2.1	9.5-11	Response to RAI	Added clarification on	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
3			No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	design control procedures.	
RCOL2_09.05.01-4	9.5.1.6.4	9.5-10	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Added Clarification on records retention for fire protection related changes in facility, procedures, tests and experiments.	-
RCOL2_09.05.01-5	9.5.1.6.4.2.1	9.5-12	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Added clarification for when the applicant opts to change or modify the FP program without seeking prior NRC approval	-
RCOL2_09.05.01-6	9.5.1.6.4.2.2	9.5-12	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Provided clarification on notification requirements.	-
RCOL2_09.05.01-8	9.5.1.6.4.2.4	9.5-13	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Provided clarification for the storage of unused ion exchange resins or hazardous chemicals used in safety-related areas.	-
RCOL2_09.05.01-8	9.5.10	9.5-19	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Added reference 9.5.1-207	-
RCOL2_09.05.01-9	9.5.1.6.4.2.4	9.5-13	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Added bullet to address fire prevention element reviews.	-
RCOL2_09.05.01-11	9.5.1.6.4.2.1	9.5-12	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Revised subsection to clarify that the fire protection program includes fire risk evaluations in accordance with applicable codes and standards.	-
RCOL2_09.05.01-12	9.5.1.6.4.2.5	9.5-13	Response to RAI No.10 Luminant Letter	Revised subsection to include a detailed description of the ignition	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
			no. TXNB-09030 Date 8/11/2009	sources control procedures	
RCOL2_09.05.01-13	9.5.1.6.4.2.4	9.5-13	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Provided clarification on debris removal and housekeeping.	-
RCOL2_09.05.01-14	9.5.1.6.4.2.8	9.5-14	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Added new Subsection 9.5.1.6.4.2.8, "Fire Protection System Maintenance and Impairments" to address Regulatory Position 2.4 of RG 1.189.	-
RCOL2_09.05.01-15	9.5.1.2.2	9.5-2	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Revised subsection to reference NFPA 22	-
RCOL2_09.05.01-15	9.5.10	9.5-19	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Added reference 9.5.1-208	-
RCOL2_09.05.01-16	9.5.10	9.5-19	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Added reference 9.5.1-209	-
RCOL2_09.05.01-17	9.5.1.6.1.6	9.5-5	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Subsection revised to clarify that the fire team leader has ready access to keys for any locked doors.	-
RCOL2_09.05.01-17	Table 9.5.1-1R	9.5-39	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Table 9.5.1-1R at Position Number 3.5.1 is revised to say "See Subsection 9.5.1.6.1.6" in the Remarks column.	-
RCOL2_09.05.01-18	9.5.1.6.1.8	9.5-7	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Subsection revised to clarify that at least 10 self-contained breathing apparatus (SBA) masks are available for fire brigade use.	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
RCOL2_09.05.01-19	9.5.1.6.4.2.4	9.5-13	Response to RAI No.10 Luminant Letter no. TXNB-09030 Date 8/11/2009	Revised first bullet to include NFPA 55	-

Chapter 10

Chapter 10 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
RCOL2_10.02.03-01	10.2	10.2-1	Response to RAI No. 6 Luminant Letter no.TXNB-09023 Date 06/17/2009	For FSAR Subsection 10.2.3.5, delete the entire paragraph and replace with the following: ”A turbine maintenance and inspection procedure will be established prior to fuel load.”	-
DCD_10.03.06-6	10.3.6.3.1	10.3-1	Reflect Response to DCD RAI No.250	Replace “industry guidelines” with “NSAC-202L-R3”. Add new sentence to end of second paragraph.	3
RCOL2_10.03.06-1 RCOL2_10.03.06-2	10.3.6.3.1	10.3-1	Response to RAI No. 7 Luminant Letter no.TXNB-09028 Date 8/7/2009	Replace “considers the information” with “addresses the concerns” and insert “consistent with the guidelines of” for the 2nd sentence of the 2nd paragraph. Replace the revision number for NSAC-202L from “R3” to “R2”.	-
				Replace “a limited, but thorough, baseline inspection program” with “perform preservice inspection” for the first bullet in the 3rd paragraph.	-
	10.3.6.3.1.2	10.3-2	Response to RAI No. 7 Luminant Letter no.TXNB-09028 Date 8/7/2009	Insert “to identify wall thickness margins for thinning and” in the 1st sentence of the 1st paragraph.	-
				Insert “with grid location” in the 2nd sentence of the 1st paragraph.	-
				Insert a new sentence after the 2nd sentence of the 1st paragraph.	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
RCOL2_10.03.06-1 RCOL2_10.03.06-2	10.3.6.3.1.2	10.3-2	Response to RAI No. 7 Luminant Letter no.TXNB-09028 Date 8/7/2009	Delete the letter “s” in the word “inspections” and replace “are” with “after preservice inspection is” in the 3rd sentence of the 1st paragraph. Insert the word “trend” after “baseline” in the 3rd sentence of the 1st paragraph.	-
	10.3.6.3.1.4	10.3-3	Response to RAI No. 7 Luminant Letter no.TXNB-09028 Date 8/7/2009	Insert a new bullet item after the 2nd bullet under “b. Implementing Procedures”.	-
				Insert “after plant operation cycles” at the end of the 4th bullet under “b. Implementing Procedures”.	-
	10.3.6.3.1.6	10.3-4	Response to RAI No. 7 Luminant Letter no.TXNB-09028 Date 8/7/2009	Insert new sentence after the 1st sentence.	-
RCOL2_10.03-1	10.3.2.3.2	10.3-1	Response to RAI No. 16 Luminant Letter no.TXNB-09033 Date 08/24/2009	Delete the entire Subsection 10.3.2.3.2 and its subsection subheading “Main Steam Safety Valves”.	-
RCOL2_10.03-1	10.3.7	10.3-4	Response to RAI No. 16 Luminant Letter no.TXNB-09033 Date 08/24/2009	Delete COL 10.3(2) description and state “Delete from DCD”.	-
RCOL2_10.04.08-2	10.4.8.2.1	10.4-6	Response to RAI No. 17 Luminant Letter no.TXNB-09034 Date 08/24/2009	Delete the entire second paragraph in FSAR Subsection 10.4.8.2.1.	-
DCD_10.03-1	10.3.2.4.3	10.3-1	Reflect Response to DCD RAI No. 329	Add new subsection.	4
DCD_10.03-1	10.3.7	10.3-4	Reflect Response	Add new COL item.	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
			to DCD RAI No. 329		
DCD_10.04.07-1	10.4.7.7	10.4-5	Reflect Response to DCD RAI No. 124	Add new subsection.	4
DCD_10.04.07-1	10.4.12	10.4-9	Reflect Response to DCD RAI No. 124	Add new COL item.	4
HYDSV-16	10.4.5.3.2	10.4-5	Hydrology Site Safety Visit	Add new subsection.	4
HYDSV-16	10.4.5.6	10.4-5	Hydrology Site Safety Visit	Clarified the actuation of the makeup water pumps.	4

Chapter 11

Chapter 11 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00482	11.2.3.1	11.2-2	Editorial correction	Delete repeated phrase.	0
CTS-00481	Table11.2-14R	11.2-14	Editorial correction	Add “hr” in transit time.	0
MAP-11-001	11.3.3.3	11.3-2, 11.3-3	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 11.3(5)	0
CTS-00728	11.2.3.1	11.2-2	Clarification	Combined the statement of the second paragraph replacement and the statement of the last four paragraphs replacement.	4
CTS-00729	11.2.3.1	11.2-2	Editorial correction	Changed “to be” to” to remain”.	4
CTS-00805	11.2.3.1	11.2-2	Editorial correction	Separated the 5th paragraph. A new paragraph starts with the following sentence. “However, during the maximum…”.	4
HPSV-02	11.2.3.1	11.2-2 11.2-3	NRC information need at HP Safety Site Visit (June 23 and 24,2009)	Provided additional description about how discharge to Squaw Creek Reservoir will occur.	4
CTS-00730	11.2.3.1	11.2-3	Clarification	Added “CPNPP Units 3 and 4” in front of “waste holdup tanks” and “liquid effluent”.	4
HPSV-02	11.2.3.1	11.2-3	NRC information need at HP Safety Site Visit (June 23 and 24,2009)	Deleted commitment to evaluate circulating water dilution prior to Units 1 and 2	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
				retirement.	
HPSV-02	11.2.3.1	11.2-3	NRC information need at HP Safety Site Visit (June 23 and 24,2009)	Revised the description about the discharge line design.	4
CTS-00731	11.2.3.1	11.2-3	Editorial correction	Changed "…structure, system, and components…"to" …structures, systems, and components…"	4
CTS-00732	11.2.3.1	11.2-3	Editorial correction	Changed "…the local area rainfall and evaporation rate and half of liquid effluent." to" …the local area rainfall, evaporation rate, and receiving half of the CPNPP Units 3 and 4 liquid effluent."	4
CTS-00733	11.2.3.1	11.2-3	Editorial correction	Combined following sentences to one sentence to delete duplicate description. "The pond design includes a discharge line and transfer pump. A discharge line connects into CPNPP Units 1 and 2 circulating water return line to keep the pond from overflowing during periods of extreme weather conditions."	4
HPSV-02	11.2.3.4	11.2-4	NRC information need at HP Safety Site Visit (June 23 and 24,2009)	Added a new subsection to provide the evaporation pond design criteria and operating information.	4
HPSV-02	11.3.3.1	11.3-2	NRC information need at HP Safety Site Visit (June 23 and 24,2009)	Added note that noble gases are not present in evaporation pond.	4
HPSV-02	Figure	11.2-25	NRC information	Revised the figure to	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
	11.2-201(Sheet 9 of 9)		need at HP Safety Site Visit (June 23 and 24,2009)	use dotted line for existing Unit 1 and 2 piping and a solid line for the evaporation pond.	
HPSV-04	11.3.3.1	11.3-2	NRC information need at HP Safety Site Visit (June 23 and 24,2009)	Corrected the discrepancy on total dose to skin and total body between the text and Table 11.3-9R.	4
HPSV-04	11.3.3.1	11.3-2	NRC information need at HP Safety Site Visit (June 23 and24,2009)	Identified maximum dose from the pond and the pond + the vent stack in text. Identified the h group organ pathway also.	4
HPSV-09	11.4.2.3	11.4-2	NRC information need at HP Safety Site Visit (June 23 and 24,2009)	Provided the additional description about the new low-level radwaste storage facility.	4
HPSV-10	11.5.2.9	11.5-2	NRC information need at HP Safety Site Visit (June 23 and 24,2009)	Revised to reflect that the ODCM will be re-written to apply to all four CPNPP units and to conform with the NEI.	4
CTS-00783	11.5.2.9	11.5-2	DCWG Meeting (July 16, 2009)	Deleted a following sentence. "CPNPP has already had an existing ODCM (Reference11.5-201) that is to reflect the new reactor units."	5
CTS-00806	11.4.4.5	11.4-4	DCWG Meeting (July 16, 2009)	Added descriptions about mobile system connections and a commitment about the operational procedure.	5
CTS-00766	11.5.2.6	11.5-1	DCWG Meeting (July 16, 2009)	Add a following phrase between "These procedures" and "are prepared". ", described in Subsection 13.5.2,"	5
CTS-00765	11.5.2.10	11.5-2	DCWG Meeting (July 16, 2009)	Deleted the following sentence.	5

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
				"CPNPP currently has a radiological environmental monitoring program for CPNPP Units 1 and 2 that is described in the plant Technical Specifications and the existing ODCM." Added the following sentence. "The radiological environmental monitoring program for CPNPP Units 3 and 4 follows the guidance of NEI 07-09."	
CTS-00839	11.2.1.6	11.2-1	Editorial correction	Changed "Process piping connections are designed to have" to "Process piping connections have".	-
RCOL2_11.02-1	11.2.1.6	11.2-1	Response to RAI No. 29 Luminant Letter no.TXNB-09048 Date 9/24/2009	Added the description about mobile or temporary equipment.	-
RCOL2_11.02-2	11.2.2	11.2-2	Response to RAI No. 29 Luminant Letter no.TXNB-09048 Date 9/24/2009	Changed total sheet number of Figure 11.2-201.	-
RCOL2_11.02-2	11.2.2	11.2-2	Response to RAI No. 29 Luminant Letter no.TXNB-09048 Date 9/24/2009	Changed the description about the configuration of the discharge line from the CPNPP Units 3 and 4 and the evaporation pond.	-
RCOL2_11.02-4	11.2.2	11.2-2 11.2-3	Response to RAI No. 29 Luminant Letter no.TXNB-09048 Date 9/24/2009	Added the description about the bypass valve VLV-531.	-

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
RCOL2_11.02-2	11.2.3.1	11.2-4	Response to RAI No. 29 Luminant Letter no.TXNB-09048 Date 9/24/2009	Changed the description about the configuration of the discharge line from the CPNPP Units 3 and 4 and the evaporation pond.	-
RCOL2_11.02-3	11.2.3.1	11.2-5	Response to RAI No. 29 Luminant Letter no.TXNB-09048 Date 9/24/2009	Added the description about the evaporation pond design feature.	-
RCOL2_11.02-3	11.2.3.1	11.2-6	Response to RAI No. 29 Luminant Letter no.TXNB-09048 Date 9/24/2009	Added the description about how the effluent from evaporation pond meet the regularly requirements.	-
RCOL2_11.02-2	Figure 11.2-201 (Sheet 1-10 of 10)	11.2-22 to 11.2-31	Response to RAI No. 29 Luminant Letter no.TXNB-09048 Date 9/24/2009	Changed total sheet number of Figure 11.2-201.	-
RCOL2_11.02-3	Figure 11.2-201 (Sheet 9 of 10)	11.2-30	Response to RAI No. 29 Luminant Letter no.TXNB-09048 Date 9/24/2009	Changed the Figure 11.2-201 (Sheet 9)	-
RCOL2_11.02-2	Figure 11.2-201 (Sheet 10 of 10)	11.2-31	Response to RAI No. 29 Luminant Letter no.TXNB-09048 Date 9/24/2009	Added Figure 11.2-201 (Sheet 10)	-

Chapter 12

Chapter 12 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
DCD_12.01-2	12.1.3	12.1-2	Delete Outdated RG	Delete RG8.20, 8.26, and 8.32.	0
DCD_12.02-15	12.2.1.1.10	12.2-1	DCD_RAI 12.02-15	Add “40 CFR 190”.	0
CTS-00463	12.5	12.5-1	Clarification	Change description about entry into the interim waste storage building.	0
DCD_12.03-12.04-2	12.1.3	12.1-2	Reflect Response to DCD RAI No. 12.03-12.04-2	Add COL Items	3
CTS-00717	12.2.1.1.10	12.2-1	Clarification	Clarify description of Interim Radwaste Storage/Staging Building	4
HPSV-07	12.4.1.9.2.1	12.4-2	NRC information need at HP Safety Site Visit (June 23 and 24,2009)	Identified and added dose sources such as warehouse C, HIC yard.	4

Chapter 13

Chapter 13 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00484	13.1	13.1-17 13.1-18	Editorial correction	Change location of “Table 13.1-201 (Sheet 5 of 5)”.	0
CTS-00486	13.5	13.5-4 13.5-7	Editorial correction	Delete reference 13.5-201.	0
CTS-00488	13AA Table of Contents	13AA-ii	Editorial correction	Modify dot lines in Table of Contents.	0
CTS-00723	13.6	13.6-1	Reflect new rule	Add the new rule for the Cyber Security Plan.	4
CTS-00724	13.6	13.6-1	Update	Delete reference to NEI-03-12 for the physical security plan	4
CTS-00725	13.7	13.7-1	Update	Incorporate latest Rev.4 of NEI 06-06, “Fitness for Duty Program Guidance for New Nuclear Power Plant Construction Sites”.	4
HPSV-09	13.2.1.1.3	13.2-1	NRC information need at HP Safety Site Visit (June 23 and 24,2009)	Added a subsection requiring initial and refresher Hazard Awareness Training.	4

Chapter 14

Chapter 14 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00635	14.2.2	14.2-1	Editorial correction	Change "Replace the last paragraph" to "Replace the last sentence of the second paragraph". Change "Appendix 14AA provides a description ...." to " A description .... are reconciled in Appendix 14AA".	0
RCOL2_14.03-1	14.2.12 14.2.12.1 14.2.13 Table 14.2-201	14.2-3 14.2-7 14.2-8	Responses to RAI No. 1 Luminant Letter TXNB-09010 Dated 5/1/2009	Add new item to ensure verification that local offsite fire departments utilize hose threads or adapters capable of connecting with onsite hydrants, hose couplings, and standpipe risers.	-
DCD_14.02-114	14.2.3 14.2.8.2.1 14.2.13	14.2-1 14.2-2 14.2-7	Reflect Response to DCD RAI No. 271.	Add description of STD COL 14.2(11) and STD COL 14.2(12) in accordance with DCD RAI No.271.	3
DCD_14.02-23	14.2.8.1	14.2-2	Reflect Response to DCD RAI No. 31.	Add description of STD COL 14.2(11) in accordance with DCD RAI No.31.	3
	14.2.13	14.2-7			
DCD_14.02-8	ACRONYMS AND ABBREVIATIONS	14-iv	Reflect Response to DCD RAI No.27	Add “Station Operations Review Committee”	4
	14.2.1	14.2-1	Reflect Response to DCD RAI No.27	Delete Subsection 14.2.1.	4
	14.2.2	14.2-1	Reflect Response to DCD RAI No.27	Delete reference to Appendix 14AA and revise text.	4
	14.2.3	14.2-1	Reflect Response to	Delete Subsection 14.2.3	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
			DCD RAI No.27		
	14.2.4 14.2.5 14.2.6	14.2-1 14.2-2	Reflect Response to DCD RAI No.27	Delete Subsection 14.2.4, 14.2.5 and 14.2.6.	4
	14.2.11	14.2-3	Reflect Response to DCD RAI No.27	Change COL information number	4
	14.2.13	14.2-7	Reflect Response to DCD RAI No.27	Revise COL information.	4
	Appendix 14AA		Reflect Response to DCD RAI No.27	Delete Appendix 14AA.	4
DCD_14.02-90	14.2.12	14.2-3	Reflect Response to DCD RAI No.93	Revise the description of replaced portion for COL information	4
CTS-00818	14.2.12.1.114	14.2-6	Editorial correction	Add “unit heater” on the first numbered list of “C. Test Method” in order to make it consistent with Part 10 ITAAC description.	6
MAP-14-101	Table 14.2-202 (Sheet 1 of 5)	14.2-9	Editorial/ Reconciliation correction	Add the Tier 1 section number for the Pressurizer Safety Valve (SDV) to make it consistent with ITAAC changes in the Tier 1 tracking report Revision 3.	6
MAP-14-102	Table 14.2-202 (Sheet 2 of 5)	14.2-10	Editorial/ Reconciliation correction	Delete the parentheses around the Tier 1 section number for the Feedwater system, to make it consistent with ITAAC changes in the Tier 1 tracking report Revision 3. It was previously incorrectly as an inspection activity.	6
DCD_14.03-4	Table 14.2-202 (Sheet 2 of 5)	14.2-10	Reflect Response to DCD RAI No.32	Delete the parentheses around the Tier 1 section number for the	6

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
				"480 V Class Switchgear" and around "480 V Class 1E Motor Control Center"	
DCD_09.05.03-6 DCD_09.05.03-9	Table 14.2-202 (Sheet 2 of 5)	14.2-10	Reflect Response to DCD RAI No.34	Delete the parentheses around the Tier 1 section number for the "Emergency Lighting System".	6
DCD_14.03.05-04	Table 14.2-202 (Sheet 2 of 5)	14.2-10	Reflect Response to DCD RAI No.181	Delete "2.5.1" in the Tier 1 section column for "Class 1E Bus Load Sequence" and "125 V Direct Current(dc) Class 1E"	6
DCD_06.02.06-13	Table 14.2-202 (Sheet 3 of 5)	14.2-11	Reflect Response to DCD RAI No.50	Add "2.2" on Tier 1 section column of Containment Local Leakrate	6
DCD_14.03.11-30	Table 14.2-202 (Sheet 3 of 5)	14.2-11	Reflect Response to DCD RAI No.222	Delete parentheses around Tier 1 section number for Containment Hydrogen Monitoring and Control System	6
DCD_14.02-112	Table 14.2-202 (Sheet 4 of 5)	14.2-12	Reflect Response to DCD RAI No.243	Add "2.4.7" on Tier 1 section column of Liquid Waste Management System	6
DCD_14.02-109	Table 14.2-202 (Sheet 4 of 5)	14.2-12	Reflect Response to DCD RAI No.243	Add parentheses around "2.7.6.8" on Tier 1 section column of Liquid Waste Management System	6
MAP-14-103	Table 14.2-202 (Sheet 4 of 5)	14.2-12	Editorial/ Reconciliation correction	Delete the parentheses around the Tier 1 section number for "Steam Generator Blowdown System" for making alignment with ITAAC changes of Tier 1 tracking report revision 3.	6
CTS-00822	Table 14.2-202 (Sheet 4 of 5)	14.2-12	Editorial correction	Add "2.8" on Tier 1 section column of Auxiliary Building HVAC	6

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
				System	
DCD_14.03.11-30	Table 14.2-202 (Sheet 5 of 5)	14.2-13	Reflect Response to DCD RAI No.222	Delete the parentheses around the Tier 1 section number for Non-Essential Chilled Water System	6
DCD_14.02-112	Table 14.2-202 (Sheet 5 of 5)	14.2-13	Reflect Response to DCD RAI No.243	Add Test Description of “RCPB Leak Detection Systems Preoperational Test”	6
DCD_14.02-109	Table 14.2-202 (Sheet 5 of 5)	14.2-13	Reflect Response to DCD RAI No.243	Add Test Description of “Equipment and Floor Drainage System Preoperational Test”	6
DCD_14.02-116	Table 14.2-202 (Sheet 5 of 5)	14.2-13	Reflect Response to DCD RAI No.337	Add Test Description of “Compressed Gas System Preoperational Test”	6

2. Component testing and instrument calibration are completed.

3. Test instrumentation is available and calibrated.

4. Required support systems are available.

C. Test Method

1. Simulate interlock signals for each exhaust fan and unit heater and verify operation and annunciation. CTS-00818

2. Verify that alarms and status indications are functional.

3. Verify design airflow.

D. Acceptance Criteria

1. UHS ESW pump house ventilation system operates on the proper signal (see Subsection 9.4.5).

2. All alarms annunciate properly.

14.2.13 Combined License Information

Replace the content of DCD Subsection 14.2.13 with the following.

~~STD COL 14.2(1)~~ ***14.2(1)*** ~~*Summary of test program*~~*Deleted from the DCD* DCD_14.02-8

~~This Combined License (COL) item is addressed in Subsection 14.2.1 and Appendix 14AA.~~

CP COL 14.2(2) ***14.2(2)*** *Organization and staffing*

This COL item is addressed in Subsection 14.2.2 ~~and Appendix 14AA~~. DCD_14.02-8

~~CP COL 14.2(3)~~ ***14.2(3)*** ~~*Test specifications and test procedures*~~

~~*This COL item is addressed in Subsection 14.2.3 and Appendix 14AA.*~~*Deleted from the DCD.*

~~CP COL 14.2(4)~~ ***14.2(4)*** ~~*Conduct of test program*~~

~~*This COL item is addressed in Subsection 14.2.4 and Appendix 14AA.*~~*Deleted from the DCD.*

~~CP COL 14.2(5)~~ ***14.2(5)*** ~~*Review, evaluation, and approval of test results*~~

CP COL 14.2(9)

Table 14.2-202 (Sheet 1 of 5)

Comparison of Tier 2 Preoperational Tests with Tier 1 Test Requirements

Test Description	Tier 2 Section	Tier 1 Section
Reactor coolant system (RCS) Hot Functional	14.2.12.1.1	2.4.2
Pressurizer Pressure and Water Level Control	14.2.12.1.2	-
Reactor coolant pump (RCP) Initial Operation	14.2.12.1.3	2.4.2
Pressurizer Safety Depressurization Valve (SDV)	14.2.12.1.4	-2.4.2
Pressurizer Relief Tank	14.2.12.1.5	-
RCS	14.2.12.1.6	2.4.2
Reactor Internals Vibration	14.2.12.1.7	2.4.1
RCS Cold Hydrostatic	14.2.12.1.8	2.2, 2.4.1, 2.4.2
Reactor Control, Rod Control, and Rod Position Indication	14.2.12.1.9	(2.5.5)
Control rod drive mechanism (CRDM) Motor Generator Set	14.2.12.1.10	-
CRDM Initial Timing	14.2.12.1.11	-
Chemical and Volume Control System (CVCS) – Boric Acid Blending	14.2.12.1.12	2.4.6
CVCS – Charging and Seal Water	14.2.12.1.13	2.4.6
CVCS – Letdown	14.2.12.1.14	2.4.6
RCS Lithium Addition and Distribution	14.2.12.1.15	-
Primary Makeup Water System (PMWS)	14.2.12.1.16	(2.7.6.11)
Reactor Trip System and engineered safety features (ESF) System Response Time	14.2.12.1.17	-
Reactor Trip System and ESF System Logic	14.2.12.1.18	2.5.1, 2.7.1.1
Resistance Temperature Detectors (RTDs)/Thermocouple Cross-Calibration	14.2.12.1.19	-
Diverse Actuation System (DAS) Actuation	14.2.12.1.20	2.5.3
Main Steam Supply System	14.2.12.1.21	2.7.1.2, (2.7.1.6)
Residual Heat Removal System (RHRS)	14.2.12.1.22	2.4.5
Main Steam Isolation Valve (MSIV), Main Feedwater Isolation Valve (MFIV), and Main Steam Check Valve	14.2.12.1.23	2.7.1.2, 2.7.1.9
Motor-Driven Emergency Feedwater System	14.2.12.1.24	2.7.1.11
Turbine-Driven Emergency Feedwater System	14.2.12.1.25	2.7.1.11

MAP-14-101

Table 14.2-202 (Sheet 2 of 5)

Comparison of Tier 2 Preoperational Tests with Tier 1 Test Requirements

Test Description	Tier 2 Section	Tier 1 Section	
Extraction Steam	14.2.12.1.26	(2.7.1.1)	
Main Turbine System Valves	14.2.12.1.27	2.7.1.1	
Condensate System	14.2.12.1.28	(2.7.1.9)	
Feedwater System	14.2.12.1.29	~~(~~2.7.1.9~~)~~	MAP-14-102
Feedwater Heater and Drain Systems	14.2.12.1.30	(2.7.1.9)	
Condensate Polishing System	14.2.12.1.31	(2.7.1.8)	
Main Condenser Evacuation System	14.2.12.1.32	(2.7.1.4)	
Circulating Water System	14.2.12.1.33	(2.7.1.7)	
Essential Service Water System (ESWS)	14.2.12.1.34	2.7.3.1	
Main and Unit Auxiliary Transformers	14.2.12.1.35	2.6.1	
Reserve Auxiliary Transformers	14.2.12.1.36	(2.6.1)	
Non-Class 1E Alternating Current (ac) Distribution	14.2.12.1.37	(2.6.1)	
6.9 kV Class 1E System	14.2.12.1.38	2.6.1	
480 V Class 1E Switchgear	14.2.12.1.39	~~(~~2.6.1~~)~~	DCD_14.03-4
480 V Class 1E Motor Control Center	14.2.12.1.40	~~(~~2.6.1~~)~~	
120 V ac Class 1E	14.2.12.1.41	2.5.1, 2.6.3	
Emergency Lighting System	14.2.12.1.42	~~(~~2.6.6~~)~~	DCD_09.05.03-6
Normal Lighting System	14.2.12.1.43	(2.6.6)	DCD_09.05 03-9
Class 1E Gas Turbine Generator	14.2.12.1.44	2.6.4	
Class 1E Bus Load Sequence	14.2.12.1.45	2.4.1, 2.4.2, 2.4.4, 2.4.5, 2.4.6, ~~2.5.1,~~ 2.6.1, 2.6.3, 2.6.4, 2.7.1.2, 2.7.1.9, 2.7.1.10, 2.7.1.11, 2.7.3.1, 2.7.3.3, 2.7.3.5, 2.7.5.1, 2.7.5.2, 2.7.5.4, 2.7.6.3, 2.7.6.6, 2.7.6.7, 2.7.6.13, 2.11.2, 2.11.3	DCD_14.03.05-4
Alternate ac Power Sources for Station Black Out	14.2.12.1.46	2.6.5	

Table 14.2-202 (Sheet 3 of 5)

Comparison of Tier 2 Preoperational Tests with Tier 1 Test Requirements

Test Description	Tier 2 Section	Tier 1 Section	
125 V Direct Current (dc) Class 1E	14.2.12.1.47	2.4.1, 2.4.2, 2.4.4, 2.4.5, 2.4.6, ~~2.5.1,~~ 2.6.2, 2.6.3, 2.7.1.2, 2.7.1.9, 2.7.1.10, 2.7.1.11, 2.7.3.1, 2.7.3.3, 2.7.3.5, 2.7.5.1, 2.7.5.2, 2.7.5.4, 2.7.6.3, 2.7.6.6, 2.7.6.7, 2.7.6.13, 2.11.2, 2.11.3	DCD_14.03.05-4
125 V DC Class 1E Minimum Load Voltage Verification	14.2.12.1.48	-	
125 V DC non-Class 1E	14.2.12.1.49	-	
Dynamic State Vibration Monitoring of Safety Related and High-Energy Piping	14.2.12.1.50	-	
Steady State Vibration Monitoring of Safety Related and High-Energy Piping	14.2.12.1.51	-	
Thermal Expansion Testing	14.2.12.1.52	-	
Class 1E Gas Turbine Generator Sequence – Loss of Offsite Power (LOOP) Sequence and LOOP Sequence with Emergency Core Cooling System (ECCS) Actuation Signal	14.2.12.1.53	2.6.4	
Safety Injection System (SIS)	14.2.12.1.54	2.4.4	
ECCS Actuation and Containment Isolation Logic	14.2.12.1.55	2.4.4, 2.11.2	
Safety Injection Check Valve	14.2.12.1.56	2.4.4	
Safety Injection Accumulator	14.2.12.1.57	2.4.4	
Containment Spray System	14.2.12.1.58	2.11.3	
Refueling Water Storage System	14.2.12.1.59	-	
Essential Chilled Water System	14.2.12.1.60	2.7.3.5	
Containment Structural Integrity	14.2.12.1.61	2.2	
Containment Local Leakrate	14.2.12.1.62	2.2, 2.11.2	DCD_06.02.06-13
Containment Integrated Leak Rate	14.2.12.1.63	2.2	
Containment Hydrogen Monitoring and Control System	14.2.12.1.64	~~(~~2.11.4~~)~~	DCD_14.03.11-30
CRDM Cooling System	14.2.12.1.65	(2.7.5.3)	
Reactor Cavity Cooling System	14.2.12.1.66	(2.7.5.3)	
Containment High Volume Purge System	14.2.12.1.67	2.8, (2.7.5.3)	
Containment Low Volume Purge System	14.2.12.1.68	2.8, (2.7.5.3)	
Containment Fan Cooler System	14.2.12.1.69	(2.7.5.3)	
Annulus Emergency Exhaust System	14.2.12.1.70	2.7.5.2	
RCS Leak Rate	14.2.12.1.71	-	

Table 14.2-202 (Sheet 4 of 5)

Comparison of Tier 2 Preoperational Tests with Tier 1 Test Requirements

Test Description	Tier 2 Section	Tier 1 Section	
Loose Parts Monitoring System	14.2.12.1.72	(2.4.3)	
Seismic Monitoring System	14.2.12.1.73	-	
Incore Instrumentation System	14.2.12.1.74	(2.5.5)	
Nuclear Instrumentation System	14.2.12.1.75	(2.5.5)	
Remote Shutdown	14.2.12.1.76	2.5.2	
Miscellaneous Leakage Detection System	14.2.12.1.77	(2.7.6.8)	
Process and Effluent Radiological Monitoring System, Area Radiation Monitoring System and Airborne Radioactivity Monitoring System	14.2.12.1.78	(2.5.5), (2.7.6.6), (2.7.6.13)	
High-Efficiency Particulate Air Filters and Charcoal Absorbers	14.2.12.1.79	2.7.5.1, 2.7.5.2	
Liquid Waste Management System	14.2.12.1.80	2.4.7, 2.7.4.1, (2.7.6.8)	DCD_14.02-112
Gaseous Waste Management System	14.2.12.1.81	2.7.4.2	DCD_14.02-109
Solid Waste Management System	14.2.12.1.82	(2.7.4.3)	
Steam Generator Blowdown System	14.2.12.1.83	~~(~~2.7.1.10~~)~~	MAP-14-103
Sampling System	14.2.12.1.84	2.7.6.7	
Spent Fuel Pit Cooling and Purification System (SFPCS)	14.2.12.1.85	2.7.6.3	
Fuel Handling System	14.2.12.1.86	2.7.6.4	
Component Cooling Water System	14.2.12.1.87	2.7.3.3	
Turbine Component Cooling Water System	14.2.12.1.88	(2.7.3.4)	
Secondary Side Chemical Injection System	14.2.12.1.89	(2.7.1.12)	
Fire Protection System	14.2.12.1.90	2.7.6.9	
Instrument Air System	14.2.12.1.91	(2.7.2)	
Station Service Air System	14.2.12.1.92	(2.7.2)	
Boron Recycle System	14.2.12.1.93	-	
Offsite Communication System	14.2.12.1.94	2.7.6.10	
Inplant Communication System	14.2.12.1.95	2.7.6.10	
Safeguard Component Area Heating, Ventilation, and Air Conditioning (HVAC) System	14.2.12.1.96	2.7.5.2	
Emergency Feedwater Pump Area HVAC System	14.2.12.1.97	2.7.5.2	
Class 1E Electrical Room HVAC System	14.2.12.1.98	2.7.5.2	
Auxiliary Building HVAC System	14.2.12.1.99	2.7.5.4, 2.8	CTS-00822
Main Steam/Feedwater Piping Area HVAC System	14.2.12.1.100	2.7.5.4	
Main Control Room (MCR) HVAC System (including MCR Habitability)	14.2.12.1.101	2.7.5.1	
Non-Class 1E Electrical Room HVAC System	14.2.12.1.102	2.7.5.4	
Technical Support Center HVAC System	14.2.12.1.103	2.7.5.4	
Non-Essential Chilled Water System	14.2.12.1.104	~~(~~2.7.3.6~~)~~	DCD_14.03.11-30
Vessel Servicing	14.2.12.1.105	2.7.6.5	
Safety-Related Component Area HVAC System	14.2.12.1.106	2.7.5.2	

Table 14.2-202 (Sheet 5 of 5)

Comparison of Tier 2 Preoperational Tests with Tier 1 Test Requirements

Test Description	Tier 2 Section	Tier 1 Section	
Pressurizer Heater and Spray Capability and Continuous Spray Flow Verification	14.2.12.1.107	-	
Non-Essential Service Water (non-ESW) System	14.2.12.1.108	(2.7.3.2)	
Condensate Storage Facilities System	14.2.12.1.108	(2.7.6.11)	
Turbine Building Area Ventilation System (General Mechanical Area)	14.2.12.1.110	(2.7.5.5)	
Turbine Building Area Ventilation System (Electric Equipment Area)	14.2.12.1.111	(2.7.5.5)	
RCPB Leak Detection Systems Preoperational Test	14.2.12.1.115	2.4.7	DCD_14.02-112
Equipment and Floor Drainage System Preoperational Test	14.2.12.1.116	2.7.6.8	DCD_14.02-109
Compressed Gas System Preoperational Test	14.2.12.1.117	(2.7.2)	DCD_14.02-116

Note: Tier 1 sections in parentheses indicate inspection activities.

Chapter 15

Chapter 15 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R

Chapter 16

Chapter 16 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R

Chapter 17

Chapter 17 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
CTS-00490	17.3	17.3-1	Editorial correction	Change description about quality assurance program.	0

Chapter 18

Chapter 18 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R

Chapter 19

Chapter 19 Tracking Report Revision List

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
MAP-19-001	19.1.5.1.1	19.1-8 19.3-1	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 19.3(5)	0
MAP-19-002	19.2.5	19.2-1 19.3-1	Deletion of COL item. Letter MHI Ref:UAP-HF-08259, dated on Nov.7, 2008	Delete COL 19.3(6)	0
CTS-00491	ACRONYMS AND ABBREVIATIONS	19-v	Erratum	Change “Westuinghouse” to “Westinghouse”.	0
CTS-00714	19.2.5 19.2.7 19.3.3	19.2-1 19.2-4 19.3-1	Restoration of COL item. Letter MHI Ref: UAP-HF-09305 dated June10,2009	Restoration COL 19.3(6)	3
MAP-19-003	19.1.7.3	19.1-10	Consistent with DCD Rev.2	Delete entire Section 19.1.7.3	6
MAP-19-101	19.1.7.6	19.1-10	Consistent with DCD Rev.2	Replace “Luminant will update PRA and severe accident (SA) evaluation considering the site specific design before the first fuel load, and the obtained PRA insights will be provided as requested to implement the RMTS and SFCP.” With “The PRA needed for implementation of RMTS and SFCP will be available one year prior to fuel load.”	6
MAP-19-003	19.3.3	19.3-1	Consistent with DCD Rev.2	Delete COL 19.3(3)	6

CP COL 19.3(4) Add the following text after the last sentence of DCD Subsection 19.1.7.1. RCOL2_19-5 RCOL2_19-6

Site-specific key assumptions are summarized in Table 19.1-206.

~~**19.1.7.3 PRA Input to the Reactor Oversight Process**~~ MAP-19-003

~~STD COL 19.3(3) Replace the content of DCD Subsection 19.1.7.3 with the following.~~

~~PRA input is provided to evaluate mitigating systems performance indicators and to develop the significant determination process. As part of the reactor oversight process, mitigating systems performance indicators will be evaluated based on the parameters and methodologies described in NEI 99-02 (Reference 19.1-202). PRA inputs to this process are as described in Appendix G of NEI 99-02. The significance determination process will use risk insights, where appropriate, to determine the safety significance of inspection findings.~~

19.1.7.6 PRA Input to the Technical Specification

CP COL 19.3(1) Replace the last paragraph in DCD Subsection 19.1.7.6 with the following.

~~Luminant will update PRA and severe accident (SA) evaluation considering the site-specific design before the first fuel load, and the obtained PRA insights will be provided as required to implement the RMTS and SFCP.~~ The PRA needed for implementation of RMTS and SFCP will be available one year prior to fuel load. MAP-19-101

19.1.9 References

Add the following references after the last reference in DCD Subsection 19.1.9.

19.1-201 *Risk-Informed Method for Control of Surveillance Frequencies*, NEI 04-10, Rev. 1, Nuclear Energy Institute, Washington DC, April 2007.

19.1-202 *Regulatory Assessment Performance Indicator Guide*, NEI 99-02, Rev. 5, Nuclear Energy Institute, Washington DC, July 2007.

19.3 OPEN, CONFIRMATORY, AND COL ACTION ITEMS IDENTIFIED AS UNRESOLVED

This section of the referenced DCD is incorporated by reference with the following departures and/or supplements.

19.3.3 Resolution of COL Action Items

Replace the content of DCD Subsection 19.3.3 with the following.

CP COL 19.3(1) ***19.3(1)*** *Update of PRA and SA evaluation for input to RMTS*

This COL item is addressed in Subsection 19.1.7.6.

19.3(2) *Deleted from the DCD.*

~~STD COL 19.3(3)~~ ***19.3(3)*** ~~*PRA input to a reactor oversight process*~~*Deleted from the DCD.* MAP-19-003

~~*This COL item is addressed in Subsection 19.1.7.3.*~~

CP COL 19.3(4) ***19.3(4)*** *Update of PRA and SA evaluation based on site-specific information*

This COL item is addressed in Subsections 19.1.1.2.1, 19.1.4.1.2, 19.1.4.2.2, 19.1.5, 19.1.5.2.2, 19.1.5.3.2, 19.1.6.2, 19.2.6.1, 19.2.6.1.1, 19.2.6.2, 19.2.6.4, 19.2.6.5 and 19.2.6.6, Tables 19.1-201, 19.1-202, 19.1-203 and 19.2-9R, and Figure 19.1-201.

~~CP COL 19.3(5)~~ ***19.3(5)*** *Deleted from the DCD.*~~*SSC fragilities*~~ MAP-19-001

~~*This COL item is addressed in Subsection 19.1.5.1.1.*~~

CP COL 19.3(6) ***19.3(6)*** *Accident management program* CTS-00714

This COL item is addressed in Subsection 19.2.5.

~~CP COL 19.3(6)~~ ~~***19.3(6)*** *Deleted from the DCD.Accident management program~~ MAP-19-002
~~*This COL item is addressed in Subsection 19.2.5.*~~