September 11 2009

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

Part 2, FSAR

Update Tracking Report

Revision 5

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

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	2.4.12.2.4 2.4.12.2.5	2.4-46 through	To reflect information	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
RCOL2_ 2.4.13-1 through RCOL2_ 2.4.13-7	2.4.12.3.1 2.4.12.5 2.4.13	2.4-64	provided during 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	0

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
				below the Unit 3 power 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

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

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
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 “2006 and (-24 yr) with	1

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
				"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-08027 to NRC dated November	Additional discussion and equations to reflect what calculations and analyses were performed to demonstrate bearing capacity.	2

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
			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 discussed with the NRC to	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
			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 relationship was linearly extrapolated to account	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
				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 changed the PMF coincident wind wave.	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
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 effluent release model provided in Section	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
				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 HYDSV-30	2.4.13.3	2.4-55	Hydrology Site Safety Visit	Added a discussion that rainfall infiltration is not a contributing factor that would affect the liquid effluent release analysis.	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
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 HYDSV-30	2.4.13.7	2.4-55	Hydrology Site Safety Visit	Changed travel times for the new pathways, specified what subsection discusses the comparison of U1/2	4

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

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

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	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

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 to DCD RAI 326-2279, Question 30	Add CP COL 9.2(25) to clarify proper filling and venting procedures to prevent water hammer.	5

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

9.2 WATER SYSTEMS

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

9.2.1.2.1 General Description

CP COL 9.2(7) Replace the first sentence of the first paragraph in DCD Subsection 9.2.1.2.1 with the following.

Figure 9.2.1-1R shows the piping and instrumentation diagrams (P&IDs) of the essential service water system (ESWS).

CP COL 9.2(25) Replace the eighth paragraph in DCD 9.2.1.2.1 with the following:

DCD_09.02.01-12

DCD_09.02.01-30

Proper filling and venting procedures are followed to minimize the occurrence of water hammer and mitigate its effects. These are included in the Operating and Maintenance Procedures mentioned in Subsection 13.5.2.1

CP COL 9.2(8) Replace the sixth paragraph in DCD Subsection 9.2.1.2.1 with the following.

Chemicals are added to the basin to control corrosion, scaling, and biological growth. The water chemistry is managed through a Chemistry Control Program such as following a standard Langelier Saturation Index. The chemical injection system is described in Subsection 10.4.5.

CP COL 9.2(7) Replace the seventh paragraph in DCD Subsection 9.2.1.2.1 with the following.

DCD_09.02.01-4

The non-safety-related portion of the ESWS begins at the discharge side of the strainer and CCW heat exchangers vent and drain valves. The positions of these valves are controlled by the Operating and Maintenance Procedures mentioned in Subsection 13.5.2.1 in order to maintain water-tight conditions and prevent inadvertent draining of the ESW.

Blowdown is used to maintain acceptable water chemistry composition. This is accomplished by tapping each essential service water pump (ESWP) discharge header. Additional description about blowdown is discussed in Subsection 9.2.5.

CP COL 9.2(26) Replace the fourteenth paragraph in DCD 9.2.1.2.1 with the following:

DCD_09.02.01-17

Maintenance and test procedures (see Operating and Maintenance Procedures in Subsection 13.5.2.1) are followed to monitor and flush debris accumulated in the system.

CP COL 9.5(2) Add the following text after the last paragraph in DCD Subsection 9.2.1.2.1.

Each of the essential service water (ESW) lines in the reactor building (R/B) and in the ~~ESWP~~UHS ESW pump house is tapped to supply water to the fire protection water supply system (FSS), if required, after the safe-shutdown earthquake (SSE). Manually operated locked closed valves are provided in each of the tapped connections to draw water for the FSS. CTS-00586

9.2.1.2.2 Component Description

CP COL 9.2(6) Replace the sentence in DCD Subsection 9.2.1.2.2 with the following.

Table 9.2.1-1R shows the design parameters of the major components in the system.

9.2.1.2.2.1 ESWPs

CP COL 9.2(6) Replace the second sentence of the third paragraph in DCD Subsection 9.2.1.2.2.1 with the following.

Total dynamic head of the ESWP is 220 feet. Available net positive suction head (NPSH) with the lowest expected water level (after 30 days of accident mitigation) in the basin is approximately 40 feet.

9.2.1.3 Safety Evaluation

CP COL 9.2(1) Replace the eleventh paragraph in DCD Subsection 9.2.1.3 with the following.

Design of the basin provides adequate submergence of the pumps to assure the NPSH for the pumps. The basin is divided into two levels. One is approximately 12 feet lower than the other, and directly above it is installed the ESWP. The ESWP is designed to operate with the lowest expected water level (after 30 days of accident mitigation). The basins have sufficient water inventory to assure adequate cooling and NPSH for 30 days without makeup. This is discussed further in Subsection 9.2.5.

Recovery procedures contained in the Operating and Maintenance Procedures (see Subsection 13.5.2.1) are implemented if the UHS approaches low water level. DCD_09.02.01-30

CP COL 9.2(2) Replace the twelfth paragraph in DCD Subsection 9.2.1.3 with the following.

The lowest ambient temperature anticipated at the site does not result in the freezing of the ESW in the basin or the piping for the following reasons:

Manholes, handholes, inspection ports, ladder, and platforms are provided, as required, for periodic inspection of system components.

9.2.5.5 Instrumentation Requirements

CP COL 9.2(24) Replace the sentence in DCD Subsection 9.2.5.5 with the following.

Water level in each of the basins is controlled by level instrumentation that opens or closes the automatic valves in the makeup lines.

Two level transmitters and associated signal processors are provided for each basin to indicate water level in the basin and annunciate in the MCR for both the high and low water levels in the basin.

A water level signal at six inches below the normal water level causes the makeup water control valve to open. A signal at normal water level then causes the makeup control valve to close. A low level alarm annunciates in the MCR whenever the water level falls one foot below the normal water level.

During accident condition, level indications from the operating basins are used to alert the MCR operator to start the UHS transfer pump to transfer water from the idle basin to the operating basins.

Blowdown rate is controlled manually. The blowdown control valves close automatically upon receipt of a low water level signal or emergency core cooling system actuation signal. The valve is designed to fail in the close position. Failure of the valve to close is indicated in the MCR.

The conductivity cells are provided at the ESW pump discharge line and conductivity are indicated in the MCR.

Temperature elements are provided in each basin and temperatures are indicated in the MCR.

Local flow rate and pressure indicators located in each UHS transfer pump discharge header are used for pump performance testing.

The cooling tower fan is equipped with vibration sensors that alarm in the control room in the event of high vibration.

9.2.10 Combined License Information

Replace the content of DCD Subsection 9.2.10 with the following.

CP COL9.2(1) ***9.2(1)*** *The evaluation of ESWP at the lowest probable water level of the UHS and the recovery procedures when UHS approaches low water level* DCD_09.01.02-30

This COL item is addressed in Subsection 9.2.1.3.

CP COL 9.2(2) ***9.2(2)*** *The protection against adverse environmental, operating and accident condition that can occur such as freezing, thermal over pressurization*

This COL item is addressed in Subsection 9.2.1.3.

CP COL 9.2(3) ***9.2(3)*** *Source and location of the UHS*

This COL item is addressed in Subsection 9.2.5.2.

CP COL 9.2(4) ***9.2(4)*** *The location and design of the ESW intake structure*

This COL item is addressed in Subsection 9.2.5.2.

CP COL 9.2(5) ***9.2(5)*** *The location and the design of the discharge structure*

This COL item is addressed in Subsection 9.2.5.2.

CP COL 9.2(6) ***9.2(6)*** *The ESWP design details – required total dynamic head, NPSH available*

This COL item is addressed in Subsection 9.2.1.2.2, 9.2.1.2.2.1 and Table 9.2.1-1R.

CP COL 9.2(7) ***9.2(7)*** *The design of ESWS related with the site specific UHS*

This COL item is addressed in Subsections 9.2.1.2.1, 9.2.1.3, 9.2.1.5.4 and Figure 9.2.1-1R.

CP COL 9.2(8) ***9.2(8)*** *The ESW specific chemistry requirements* | DCD_09.02.01-30

This COL item is addressed in Subsection 9.2.1.2.1.

CP COL 9.2(9) ***9.2(9)*** *The storage capacity and usage of the potable water*

This COL item is addressed in Subsections 9.2.4.1, 9.2.4.2.2.1, 9.2.4.2.2.2 and 9.2.4.2.2.3.

CP COL 9.2(10) ***9.2(10)*** *State and Local Department of Health ~~of Natural Resources~~and Environmental Protection Standards* | DCD_09.02.04-1

This COL item is addressed in Subsection 9.2.4.1.

CP COL 9.2(11) ***9.2(11)*** *Source of potable water to the site and the necessary required treatment*

This COL item is addressed in Subsections 9.2.4.1, 9.2.4.2.1 and Figure 9.2.4-1R.

CP COL 9.2(23) ***9.2(23)*** *The test and inspection requirements of the UHS*

This COL item is addressed in Subsection 9.2.5.4.

CP COL 9.2(24) ***9.2(24)*** *The required alarms, instrumentation and controls of the UHS system*

This COL item is addressed in Subsection 9.2.5.5.

CP COL 9.2(25) ***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.

DCD_09.02.01-12,13,14,30

CP COL 9.2(26) ***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.

DCD_09.02.01-17

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 retirement.	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
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-	11.2-25	NRC information need at HP Safety	Revised the figure to use dotted line for	4

Change ID No.	Section	FSAR Rev. 0 Page	Reason for change	Change Summary	Rev. of FSAR T/R
	201(Sheet 9 of 9)		Site Visit (June 23 and 24,2009)	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. "CPNPP currently has a radiological	5

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

11.4.3.2 Process Control Program

CP COL 11.4(3) Replace the content of DCD Subsection 11.4.3.2 with the following.

This subsection adopts NEI 07-10, which is currently under review by the NRC staff. The Process Control Program (PCP) describes the administrative and operational controls used for the solidification of liquid or wet solid waste and the dewatering of wet solid waste. The purpose of the PCP is to provide the necessary controls such that the final disposal waste product meets applicable federal regulations (10 CFR Parts 20, 50, 61, 71, and 49 CFR Part 173), state regulations, and disposal site waste form requirements for burial at a low level waste disposal site that is licensed in accordance with 10 CFR Part 61. Waste processing (solidification and/or dewatering) equipment and services may be provided by third-party vendors. The process used in the existing design meets the applicable requirements of the PCP. Table 13.4-201 provides the milestone for PCP implementation.

Additional onsite radioactive solid waste storage is provided and is discussed in Subsection 11.4.2.3.

11.4.4.5 Mobile De-watering System

CP COL 11.4(4) Replace the last sentence in DCD Subsection 11.4.4.5 with the following.

CP COL 11.4(7)

The mobile de-watering station is vendor supplied and operated within the specific requirements and layout based on vendor specifications. The mobile system includes the necessary connections and fittings to the interface with the plant piping. The connectors are uniquely designed to prevent inadvertent cross connection between the radioactive and non-radioactive plant piping. The piping also includes backflow inhibitors. ~~Operating procedures will be developed and implemented with PCP so that the guidance and information in IE Bulletin 80-10 (Reference 11.4-29) is followed. The milestone for procedure implementation is listed in Table 13.4-201.~~Liquid effluent from the mobile de-watering station is routed to the Liquid Waste Management System and the non-condensables are vented to the A/B ventilation system. An operating procedure will be provided prior to fuel load to ensure proper operation of the mobile de-watering station to prevent the contamination of non-radioactive piping or uncontrolled releases of radioactivity into the environment. CTS-00806

11.5 PROCESS EFFLUENT RADIATION MONITORING AND SAMPLING SYSTEMS

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

CP SUP 11.5(1) Add the following text to the end of the last paragraph in DCD Section 11.5.

Essential service water(ESW) pipe tunnel structure at elevation 793'-1'' has been changed in site-specific layout. However, the location of process effluent radiation monitors in DCD Chapter 11 is not affected by the modification of ESW pipe tunnel structure, and Figures 11.5-2 can be used except for the structure of ESW pipe tunnel remains valid. The structure of ESW pipe tunnel is shown on Figure 1.2-2R.

11.5.2.6 Reliability and Quality Assurance

CP COL 11.5(4) Replace the first sentence in the third paragraph in DCD Subsection 11.5.2.6 with the following.

CP COL 11.5(5)

The procedures for acquiring and evaluating samples of radioactive effluents, as well as procedures for inspection, calibration, and maintenance of the monitoring and sampling equipment are developed in accordance with RG 1.21 and RG 4.15. The procedures for the radioactive waste systems are developed in accordance with RG 1.33. The analytical procedures are developed in accordance with RG 1.21. These procedures, described in Subsection 13.5.2, are prepared and implemented under the quality assurance program referenced in Chapter 17. CTS-00766

11.5.2.7 Determination of Instrumentation Alarm Setpoints for Effluents

---

CP COL 11.5(2) Replace the second sentence in DCD Subsection 11.5.2.7 with the following.

The methodology for the calculation of the alarm setpoints is part of the ODCM described in Subsection 11.5.2.9.

11.5.2.8 Compliance with Effluent Release Requirements

CP COL 11.5(4)
CP COL 11.5(5)

Replace the last sentence in DCD Subsection 11.5.2.8 with the following.

Site-specific procedures on equipment inspection, calibration, maintenance, and regulated record keeping, which meet the requirements of 10 CFR 20.1301, 10 CFR 20.1302, and 10 CFR 50 Appendix I, are prepared and implemented under the quality assurance program referenced in Chapter 17.

11.5.2.9 Offsite Dose Calculation Manual

Replace the first sentence in DCD Subection 11.5.2.9 with the following.

CP COL 11.5(2)
CP COL 11.5(1)

Fulfillment of the 10 CFR 50 Appendix I guidelines requires effluent monitor data. A description of the monitor controls and the calculation of the monitor setpoints are part of the ODCM. The ODCM also provides the rationale for compliance with the radiological effluent Technical Specifications and for the calculation of appropriate setpoints for effluent monitors. The ODCM follows the guidance of NEI 07-09. The ODCM and radiological effluent Technical Specifications, which reflect the new reactor units, are implemented in accordance with the milestone listed in Table 13.4-201. ~~CPNPP has already had an existing ODCM (Reference 11.5-201) that is to reflect the new reactor units.~~ The ODCM will be re-written to apply to all four CPNPP units and to conform with the NEI template before receipt of radioactive material in Unit 3 in accordance with FSAR Table 13.4-201. CTS-00783 HPSV-10

11.5.2.10 Radiological Environmental Monitoring Program

CP COL 11.5(3)

Replace the content of DCD Subsection 11.5.2.10 with the following.

~~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.~~ The program for CPNPP Units 3 and 4 is going to be described in the plant Technical Specification of CPNPP Units 3 and 4 and the ODCM, which reflect the new reactor units, is implemented in accordance with the milestone listed in Table 13.4-201. This program measures direct radiation using thermoluminescent dosimeters as well as analyses of samples of the air, water, vegetation, and fauna in the surrounding area. The guidance outlined in NUREG-1301 (Reference 11.5-21) and NUREG-0133 (Reference 11.5-18) is to be used when developing the radiological environmental monitoring program. The CTS-00765 CTS-00765

radiological environmental monitoring program for CPNPP Units 3 and 4 follows the guidance of NEI 07-09. CTS-00765

11.5.2.11 Site-Specific Cost-Benefit Analysis

CP COL 11.5(6) Replace the content of DCD Subsection 11.5.2.11 with the following.

The results of site-specific cost-benefit analysis are described in Subsections 11.2.1.5 and 11.3.1.5.

11.5.5 Combined License Information

Replace the content of DCD Subsection 11.5.5 with the following.

CP COL 11.5(1) ***11.5(1)*** *Site-specific aspects*

This COL item is addressed in Subsection 11.5.2.9.

CP COL 11.5(2) ***11.5(2)*** *Offsite dose calculation manual*

This COL item is addressed in Subsection 11.5.2.7 and 11.5.2.9.

CP COL 11.5(3) ***11.5(3)*** *Radiological and environmental monitoring program*

This COL item is addressed in Subsection 11.5.2.10.

CP COL 11.5(4) ***11.5(4)*** *Inspection, decontamination, and replacement*

This COL item is addressed in Subsections 11.5.2.6 and 11.5.2.8.

CP COL 11.5(5) ***11.5(5)*** *Analytical procedures*

This COL item is addressed in Subsections 11.5.2.6 and 11.5.2.8.

CP COL 11.5(6) ***11.5(6)*** *The site-specific cost benefit analysis*

This COL item is addressed in Subsection 11.5.2.11.

11.5.6 References

Add the following reference after the last reference in DCD Subsection 11.5.6.

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

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