



Log # TXX-93391
File # 10010

TUELECTRIC

William J. Cahill, Jr.
Group Vice President

December 17, 1993

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)
DOCKET NOS. 50-445 AND 50-446
FSAR AMENDMENT 90 DESCRIPTION

Gentlemen:

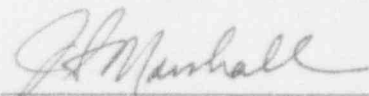
Amendment 90 to the CPSES FSAR was transmitted to you under a separate cover letter TXX-93390, dated December 17, 1993. The attachment to this letter provides line-by-line descriptions of the changes in Amendment 90. FSAR pages which do not have technical changes but are included in the amendment (because they are the opposite side of the sheet from a page that was changed, because the change shifted the existing material to another page or because only editorial changes were made on these pages) are not discussed in the attachment.

All changes contained in Amendment 90 have been reviewed under the TU Electric 10CFR50.59 process and found not to include any "unreviewed safety questions."

As originally described in TU Electric letter TXX-92286 dated May 31, 1992, Amendment 90 continued the process of incorporating into the FSAR text the responses to NRC questions contained in FSAR volumes XV, XVI and XVII.

Sincerely,

William J. Cahill, Jr.

By: 
John S. Marshall
Generic Licensing Manager

BSD
Attachment

c - Mr. J. L. Milhoan, Region IV
Resident Inspectors, CPSES (2)
Mr. T. A. Bergman, NRR

9312230076 931217
PDR ADOCK 05000445
P PDR

210107

400 N. Olive Street L.B. 81 Dallas, Texas 75201

ACB3/1

Prefix Page (as amended)	Group Description
	section. Section 1.3.1, Comparisons with Similar Facility Designs, is deleted from the FSAR due to the trivial and historical nature of its content.
Table 1.3-1	4 See Sheet No(s) :01 Deletes Table 1.3-1. Updates Table of Contents to reflect this deletion. Revision : Information contained within FSAR Table 1.3-1, Sheets 1-14 (as well as the supplemental information contained within the response to Q032.72) is historical in nature; is not related to the present and future operation of CPSES; and, is not required to be included in the updated FSAR per the Standard Review Plan (SRP). Change Request Number : SA-92-112.3 Commitment Register Number : Related SER : 1.3 SSER : SER/SSER Impact : Yes Comparison of CPSES with plants of similar design was addressed in Section 1.3 of the SER. No Supplemental SERs contained information on this section. Table 1.3-1, Comparisons with Similar Facility Designs, is deleted from the FSAR due to the trivial and historical nature of its content.
1.4-1	4 Delete identification of Texas Municipal Power Agency (TMPA) as an Owner of CPSES. Update : See Description for p. 1.1-1. Change Request Number : SA-93-145. Commitment Register Number : Related SER : 1.1 SSER :22 1.4 SER/SSER Impact : No
Table 1.6-1	4 See Sheet No(s) :18 Adds date to a listing for a Westinghouse topical report, and corrects number of the proprietary version. Editorial : Editorial correction based on information contained in Q&Rs 121.17, 121.18, 121.19, 121.20 & 121.21. Change Request Number : SA-92-315.6 Commitment Register Number : Related SER : 3.6 SSER : SER/SSER Impact : No
1A(B)-1	4 Makes reference in discussion of Reg. Guide 1.1 more specific. Editorial : Editorial enhancement for consistency and completeness. Change Request Number : SA-92-398.2

Prefix Page
(as amended)

Group Description

Commitment Register Number :
Related SER : 6.3 SSER :
SER/SSER Impact : No

1A(B)-4

3

Update the current commitment status of Regulatory Guide 1.8 rev. 2.

Revision :

Regulatory Guide 1.8 rev. 2 updated the qualification and training process to include the TMI-2 action plan requirements for the qualification and training of licensed operators and radiation protection management. All other qualification standards were incorporated into and remained consistent with the previous commitment to RG 1.8 rev. 1-R. In SSER 22, TU Electric committed to the provisions of RG 1.8 rev. 2. RG 1.8 rev. 2 also states that accredited training programs are an acceptable alternative to those prescriptive requirements of RG 1.8 rev. 2. TU Electric currently complies with an accredited systems approach to training process prescribed by 10 CFR parts 50.120, 55.31, and 55.59 which is more restrictive than the provisions of RG 1.8 rev. 2.

Change Request Number : SA-93-103.1

Commitment Register Number :

Related SER : 13.2 SSER :22 13.2

SER/SSER Impact : Yes

These changes are consistent with the commitments made in SSER 22.

1A(B)-10

4

Deletes "response to Question 372.36" as a source of information, leaving Section 2.3 as the appropriate reference for information related to the design and siting of the primary meteorological tower.

Q&R Incorporation :

Editorial correction which reflects the relocation of the Q&R response to Section 2.3.

Change Request Number : SA-92-487.2

Commitment Register Number :

Related SER : 2.3 SSER :22 2.3

SER/SSER Impact : No

1A(B)-53

2

Removes transformers T2C5-1 and T2C6-1 from the FSAR text.

Update :

Unit 2 Non-1E transformers in cable spreading room have been removed as they are no longer required. These transformers were deleted from section 8.3.1.4.1 when amendment 88 was issued but inadvertently missed in section 1A(B).

Change Request Number : SA-93-114.1

Commitment Register Number :

Related SER : 8.4.4 SSER :26 8.4.6

Prefix Page (as amended)	Group Description
	SER/SSER Impact : No
1A(B)-53	2 Deletes the description referring to transformers T1C5-1 and T1C6-1 in the cable spreading room related to RG 1.75, regulatory position C.12. Revision : Due to the installation of the new plant computer system configuration, these transformers which fed the old computer disk drive are no longer required. Change Request Number : SA-93-9.3 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
2.3-4	4 Adds Reference No. 47 to text concerning meteorological characteristics of a Probable Maximum Hurricane. Editorial : Relocation of a reference given in Q&R 371.17 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-459.2 Commitment Register Number : Related SER : 2.3.1 SSER : SER/SSER Impact : No
2.3-8	4 Adds reference within FSAR text to the additional information in Table 2.3-2A, concerning the attractive area of each building and building dimensions used in the Table's development. Editorial : Relocation of a portion of Q&R 372.21 response to text in preparation for the USAR. Change Request Number : SA-92-563.2 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-11	4 See Sheet No(s) :12 Updates information concerning the maximum seasonal snowfall in Fort Worth; the snowfall received in the 1977-1978 season surpassed any one season in the period 1898-1970, which was used in the previous analysis. This information is tied into the discussion of the 100-year return period snowpack. Adds the equivalent weight of the design load (8-inch maximum uniform depth of water) on safety-related buildings. And, notes as a clarification that "almost all" of the Probable Maximum Winter Precipitation is in the form of liquid. Update : Relocation of a portion of Q372.31 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-482.2

Prefix Page (as amended)	Group Description
	Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-17	4 See Sheet No(s) :18 Adds discussion concerning substitution of secondary delta-T measurements during periods when primary delta-T measurements were invalid, and a cross-reference to FSAR Section 2.3.2.1.7 re: atmospheric stability. Addition : Relocation of a portion of Q372.29 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-480.2 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-21	4 See Sheet No(s) :22 Adds information concerning potential influence of plant structures and fill dirt on local meteorology. Q&R Incorporation : Relocation of a portion of Q&R 372.36 response to text in preparation for the USAR. Change Request Number : SA-92-487.3 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-23	4 See Sheet No(s) :24 Adds information on the effects of the Squaw Creek Reservoir on wind speed. Also adds appropriate Q&R margin notations to identify location of Q&R incorporation. Addition : Relocation of Q&R 372.24 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-475.3 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-26	4 See Sheet No(s) :27 Adds information on the representativeness of the Dallas National Weather Service (NWS) station data used for estimating occurrences of natural fog at the CPS ₂ site. Includes Reference 34 within the added text, which is located in a listing at the end of Section 2.3; this reference includes information which is not being incorporated into the updated FSAR. Addition : Relocation of a portion of Q372.25 response to FSAR

Prefix Page (as amended)	Group Description
	text in preparation for the USAR. Change Request Number : SA-92-476.2 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-28	4 See Sheet No(s) :29 Adds information concerning cold air drainage (thermally induced flow) and flow blocking. Also adds appropriate Q&R margin notations to identify location of Q&R incorporation. Addition : Relocation of a portion of Q&R 372.35 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-475.4 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-29	4 Changes verb tense in the last paragraph of Section 2.3.2.2.3 to reflect the creation of the reservoir. Update : Update is based on information contained within the responses to Q&R 372.24 and 372.35 as well as in FSAR Section 2.3.2.2.2. Change Request Number : SA-92-475.5 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-31	4 Clarifies the phrase "one scan each minute" using criteria from Reg. Guide 1.23. Clarification : Relocation of Q372.10 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-464.5 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-31	4 Adds discussion concerning comparison of analog and digital hourly average values for meteorological data. Addition : Relocation of a portion of Q372.26 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-464.6 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-32	4 Revises sentence to read: "To assure data quality and accuracy, a comprehensive calibration of the

Prefix Page (as amended)	Group Description
	meteorological station components is performed at six month intervals." Revision : Relocation of a portion of Q&R 372.12 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-466.5 Commitment Register Number : IC-0055 Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-32	4 Adds information concerning the normal maintenance, including periodic inspections, of equipment comprising the meteorological system. Addition : Relocation of a portion of Q&R 372.27 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-466.6 Commitment Register Number : OP-0169 Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-37	4 Adds word "ambient" to "temperature at 10m". Q&R Incorporation : Clarification of information already provided in FSAR text based on information contained in the response to Q372.36. Clarification performed in preparation for the USAR. Change Request Number : SA-92-487.4 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-37	4 Adds additional information to description of the Meteorological Instrumentation Building. Q&R Incorporation : Relocation of a portion of Q&R 372.36 response to text in preparation for the USAR. Change Request Number : SA-92-487.5 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-3.	4 Revises sentence to read: "Digital output of the ERF computers are also located in the Technical Support Center (TSC) and Emergency Operation Facility (EOF), where meteorological data consistent with the requirements of NUREG-0696 (45) are displayed." Q&R Incorporation : Relocation of a portion of Q&R 372.37 response to text in preparation for the USAR. Change Request Number : SA-92-488.3 Commitment Register Number : Related SER : 2.3 SSER :22 2.3

Prefix Page (as amended)	Group Description
	SER/SSER Impact : No
2.3-39	4 Adds information concerning the measures taken to ensure acceptable data recovery of precipitation measurements for the operational program. Addition : Relocation of a portion of Q372.33 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-484.2 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-40	4 Adds references for Tables 2.3-34A and 2.3- 34B to FSAR Section 2.3.1.2 to address the relocation of meteorological instrumentation system accuracies from Q372.13 and Q372.28 responses. Addition : See Descriptions for Tables 2.3-34A and 2.3-34B. Change Request Number : SA-92-479.3 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-54	4 Adds Reference No. 45 to include listing of NUREG-0696 to the references given at the end of FSAR Section 2.3. Q&R Incorporation : Relocation of a reference given in Q&R 372.37 response to text in preparation for the USAR. Change Request Number : SA-92-488.4 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-54	4 Adds Reference No. 46 to include listing of SRP Section 2.3.3, Revision 1, to the references given at the end of FSAR Section 2.3. Q&R Incorporation : Relocation of a reference given in Q&R 372.36 response to text in preparation for the USAR. Change Request Number : SA-92-487.6 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.3-54	4 Adds Reference No. 47, concerning meteorological characteristics of a Probable Maximum Hurricane, to the list of references at the end of Section 2.3. Addition : Relocation of a reference given in Q&R 371.17 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-459.3

Prefix Page (as amended)		Group Description
		Commitment Register Number : Related SER : 2.3.1 SSER : SER/SSER Impact : No
Table 2.3-2A	4	See Sheet No(s) :02 Adds Sheet 2 to Table 2.3-2A, which is comprised of information on the attractive area of each building and the building dimensions used in the development of Table 2.3-2A, "Seasonal and Annual Estimates, Lightning Strikes to Safety-Related Structures." Addition : Relocation of a portion of Q&R 372.21 response to text in preparation for the USAR. Change Request Number : SA-92-563.3 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
Table 2.3-34A	4	Adds overall meteorological instrumentation system accuracies for various parameters, as certified by the manufacturer. Also, adds a footnote explaining that these values are based upon equipment being properly calibrated. Q&R Incorporation : Relocation of the response to Question 372.13 to FSAR Table 2.3-34A is in preparation for the USAR. Change Request Number : SA-92-467.3 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
Table 2.3-34B	4	See Sheet No(s) :01 and 02 Adds Table 2.3-34B, which provides a discussion of, and parameters for, calculation of delta temperature system accuracy. Addition : Relocation of a portion of Q372.28 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-479.2 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
Table 2.3-35	4	See Sheet No(s) :01 and 02 Adds new Table 2.3-35, which provides a comparison of analog and digital data. Also adds listing for this new table to the List of Tables which appears at the front of FSAR Chapter 2. Addition : Relocation of a portion of Q372.26 response to FSAR text in preparation for the USAR. (Though this table in the Q&R Section is numbered T372.25, it does not belong as part of the response to Q&R

Prefix Page (as amended)		Group Description
		372.25; it is referenced in, and contains information related to, Q&R 372.26.) Change Request Number : SA-92-464.7 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
2.4-31	4	See Sheet No(s) :32 & 33 Moves existing sentences around in FSAR Section 2.4.8.2.1 to more appropriate locations. For example, links sentences which are more appropriate to the discussion of the service spillway to paragraphs on the service spillway; links sentences more appropriate to the emergency spillway to paragraphs on the emergency spillway; and relocates a sentence which applies to both types of spillways to the end of the subsection on "Spillways". Editorial : The movement of sentences within FSAR Section 2.4.8.2.1 is purely editorial, and is performed not only to place sentences in their most appropriate location but provides a comparable level of detail between the discussion on the service spillway and the emergency spillway. Change Request Number : SA-92-452.2 Commitment Register Number : Related SER : 2.4 SSER :22 2.4 SER/SSER Impact : No
2.4-32	4	Adds further description of the emergency spillway design and a discussion of its capability to handle a Probable Maximum Flood discharge. Addition : Relocation of a portion of Q&R 371.5 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-452.3 Commitment Register Number : Related SER : 2.4 SSER :22 2.4 SER/SSER Impact : No
2.4-35	4	Adds a sentence which addresses the velocity through the SSI spillway. Q&R Incorporation : Relocation of a portion of Q&R 371.006 response to text in preparation for the USAR. Change Request Number : SA-92-453.2 Commitment Register Number : Related SER : 2.4 SSER :22 2.4 SER/SSER Impact : No
2.4-54	4	After "The results of packer tests are presented on Table 2.5.6-1.", adds information giving the location and cause of water loss during packer

Prefix Page (as amended)	Group Description
	tests. Addition : Relocation of a portion of Q&R 371.12 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-458.2 Commitment Register Number : Related SER : 2.4 SSER :22 2.4 SER/SSER Impact : No
2.4-56	4 See Sheet No(s) :57 Adds information concerning the maximum expected level of groundwater, and the means used to measure certain parameters which led to its estimation. Addition : Relocation of a portion of Q&R 371.12 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-458.3 Commitment Register Number : Related SER : 2.4 SSER :22 2.4 SER/SSER Impact : No
2.5-151	4 Adds information concerning excavation and backfilling of the plant site with pervious material. Addition : Relocation of a portion of Q&R 371.12 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-458.4 Commitment Register Number : Related SER : 2.5 SSER :22 2.5 SER/SSER Impact : No
3.3-1	4 Adds the following to the last paragraph of Section 3.3.1.1, Design Wind Velocity: "The adequacy of a 1.1 gust factor is confirmed by calculations in accordance with Reference 6." Q&R Incorporation : Relocation of a portion of Q&R 372.22 response to text in preparation for the USAR. Change Request Number : SA-92-473.2 Commitment Register Number : Related SER : 3.3 SSER :23 3.3 SER/SSER Impact : No
3.3-11	4 Adds ANSI A58.1-1972 to the list of references given in FSAR Section 3.3. Q&R Incorporation : Relocation of a portion of Q&R 372.22 response to text in preparation for the USAR. Change Request Number : SA-92-473.3 Commitment Register Number : Related SER : 3.3 SSER :23 3.3 SER/SSER Impact : No

Prefix Page (as amended)		Group Description
3.8-127	4	<p>Adds cross-references within text to the discussions of the level of permeability of the Glen Rose Formation (Section 2.4.13.1.3) and the onsite water table (Section 2.4.13.1.5).</p> <p>Editorial :</p> <p>Reference to certain portions of Q&R 371.12 response, which have been relocated within the FSAR text, in preparation for the USAR.</p> <p>Change Request Number : SA-92-459.5</p> <p>Commitment Register Number :</p> <p>Related SER : 3.8 SSER :22 3.8</p> <p>SER/SSER Impact : No</p>
Table 3.9N-10	3	<p>See Sheet No(s) :02</p> <p>Revises Table 3.9N-10, Sheet 2 to change solenoid operated valves 8202A/B and 8210A/B Normal Position from "open" to "N/A". Also corrects valve size (8210A/B) from 1/2" to 1".</p> <p>Revision :</p> <p>This change reflects the fact that these valves only need to be open when the PDP is in operation. The PDP is in operation only a small percentage of the overall time; a centrifugal charging pump (CCP) is in operation a majority of the time. Closing the valves and isolating the PDP suction stabilizer during CCP operation will preclude the possibility of reduce performance from and/or damage to the CCP's from an uncontrolled gas addition into the pump(s) suction. This change will not affect the performance or functions of the valves. The safety failure position of these valves remains "closed" and this change is actually conservative with respect to plant safety. Additionally valves 8210A/B are actually 1" valves.</p> <p>Change Request Number : SA-93-93.2</p> <p>Commitment Register Number :</p> <p>Related SER : 9.3 SSER :</p> <p>SER/SSER Impact : No</p>
Table 3.9B-10	3	<p>See Sheet No(s) :21</p> <p>Deletes Valves SW-388 and SW-389 from the list of active valves in Table 3.9B-10, sheet 21.</p> <p>Revision :</p> <p>These valves are no longer active and their internals have been removed. These valves serve no function in the current design and operational configuration and can be removed without impacting system operation.</p> <p>Change Request Number : SA-93-129.1</p> <p>Commitment Register Number :</p> <p>Related SER : 9.2.1 SSER :22 9.2</p> <p>SER/SSER Impact : No</p>

Prefix Page (as amended)	Group Description
3A-1-2	<p>4 Relocates a portion of the information provided in the response to Q032.107 to FSAR text. Q&R Incorporation : This information is being relocated to the FSAR text as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e). Change Request Number : SA-92-132. Commitment Register Number : Related SER : 3.11 SSER :22 3.11 SER/SSER Impact : No</p>
4.4-49	<p>4 Inserts the following as the third sentence of Section 4.4.4.5.1, Core Analysis: "The reactor core thermal design is analyzed using approved core thermal-hydraulic methods and codes." Q&R Incorporation : This is an editorial change in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. This information is being added to this Section as an editorial clarification in conjunction with the change being made to the response to Question Q221.2, which replaces the response with a note to refer to Section 4.4.4.5 and 4.4.4.7. The statement added addresses the concern of Question 221.2 by noting that the thermal-hydraulic design utilized approved methods and codes. Change Request Number : SA-92-214.2 Commitment Register Number : Related SER : 4.4.2 SSER : SER/SSER Impact : No</p>
4.4-52	<p>4 Adds the following to the sixth paragraph of Section 4.4.4.5.2, Steady State Analysis: "The exit pressure condition has been shown through sensitivity studies to have a very small DNBR effect; therefore, a uniform exit pressure distribution is specified [18]." Q&R Incorporation : This is an editorial change in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information inserted by this change into Section 4.4.4.5.2 will allow the response to Question 221.5 to be replaced with a note to refer to this Section. Change Request Number : SA-92-216.2 Commitment Register Number : Related SER : 4.4.2 SSER : SER/SSER Impact : No</p>
4.4-52	<p>4 See Sheet No(s) :77 Revises FSAR section to include information provided</p>

Prefix Page (as amended)	Group Description
	<p>in Q&R 233.4 related to Westinghouse information provided to the NRC related to computer code THINC- IV.</p> <p>Q&R Incorporation : This information is being relocated to the FSAR text as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e).</p> <p>Change Request Number : SA-92-253. Commitment Register Number : Related SER : 4.4 SSER : SER/SSER Impact : No</p>
4.4-66	<p>4 See Sheet No(s) :67</p> <p>Relocates the response to NRC question Q220.1 pertaining to the loose parts monitoring system (LPMS) identifying the major source of noise and minimizing the effects of background noise. Also indicates the control room operator's role to respond to the noise alarm and retention of any plant records of LPMS.</p> <p>Change Request Number : SA-92-212.2 Commitment Register Number : Related SER : 5.4.5 SSER : SER/SSER Impact : No</p>
5.1-7	<p>4 Relocates the response to NRC question Q221.6 to FSAR section 5.1.</p> <p>Update : This change is made in preparation for deletion of Q&R section when USAR is issued.</p> <p>Change Request Number : SA-92-217.2 Commitment Register Number : Related SER : 5.0 SSER :26 5.2 SER/SSER Impact : No</p>
5.2-19	<p>4 Adds the following sentence to a discussion of fracture toughness tests: "Fracture toughness tests for RCPB components are performed in accordance with written procedures by operators qualified by training and experience."</p> <p>Addition : Relocation of the response to Q123.2 to FSAR text in preparation for the USAR.</p> <p>Change Request Number : SA-92-323.2 Commitment Register Number : Related SER : 5.2.3 SSER : SER/SSER Impact : No</p>
5.3-7	<p>4 Adds the following sentence: "The reactor vessel surveillance programs for Unit 1 and Unit 2 are detailed in WCAP-9475, "Texas Utilities Comanche Peak Unit No. 1 Reactor Vessel Radiation Surveillance Program," and WCAP-10684, "Comanche</p>

Prefix Page (as amended)	Group Description
	Peak Unit No. 2 Reactor Vessel Radiation Surveillance Program." Q&R Incorporation : Relocation of Q123.4 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-325.2 Commitment Register Number : Related SER : 5.3.1 SSER :25 5.3.1 SER/SSER Impact : No
5.3-7	4 Adds statement regarding an analysis which demonstrated that closure flange regions are less limiting than beltline regions. Q&R Incorporation : Relocation of Q121.15 response to FSAR text in preparation for the USAR. The added statement incorporates by reference an analysis into FSAR Section 5.3.1.5, which demonstrates that closure flange regions of CPSES Units 1 and 2 are less limiting than the beltline regions. Charge Request Number : SA-92-313.2 Commitment Register Number : Related SER : 5.3.1 SSER :25 5.3.1 SER/SSER Impact : No
5.3-28	4 Adds listing for a letter, which submitted Westinghouse analysis demonstrating that the closure flange regions are less limiting than beltline regions, to the references given at the end of FSAR Section 5.3. Q&R Incorporation : Relocation of a reference given in the response to Q121.15 to FSAR text in preparation for the USAR. Change Request Number : SA-92-313.3 Commitment Register Number : Related SER : 5.3.1 SSER :25 5.3.1 SER/SSER Impact : No
5.4-80	4 Adds information on Westinghouse calculation of backpressure at safety valves. Addition : Relocation of response to Q212.14 to FSAR text in preparation for the USAR. Change Request Number : SA-92-373.2 Commitment Register Number : Related SER : 5.4.4 SSER : SER/SSER Impact : No
5A-4	4 Notes that the procedures for cooling down using natural circulation were developed in accordance with applicable criteria of Regulatory Guide 1.33. Addition : Relocation of a portion of Q212.138 response to FSAR

Prefix Page
(as amended)

Group Description

- text in preparation for the USAR.
Change Request Number : SA-92-205.2
Commitment Register Number : X1-0956
Related SER : 5.4.3 SSER :22 5.4.3
SER/SSER Impact : No
- 6.1B-13 4 Adds "project specifications" to the type of instructions followed in the application of coating systems. And, adds a sentence referencing Table 17A-1 for applicable standards and guidance used in the qualification of protective coating systems for CPSES containments.
Addition :
Relocation of a portion of Q281.1 response to FSAR text in preparation for the USAR.
Change Request Number : SA-92-257.2
Commitment Register Number :
Related SER : 6.1.2 SSER :09 APP M
SER/SSER Impact : No
- 6.1B-14 4 Adds discussion on non-qualified coatings, and the related assumption used in the evaluation of the generating rate of combustible gas in containment under DBA conditions.
Addition :
Relocation of a portion of Q281.1 response to FSAR text in preparation for the USAR.
Change Request Number : SA-92-257.3
Commitment Register Number :
Related SER : 6.1.2 SSER :09 APP M
SER/SSER Impact : No
- 6.2-90a 4 See Sheet No(s) :146
Clarifies that local test connections, vent and drain valves (TVDs) located within the penetration boundary are subject to the same local leak rate testing requirements as the their associated GDC 55, 56 or 57 penetrations, with the exception that TVDs which are locked closed, capped and under administrative controls, do not require local leak rate testing.
Clarification :
The above clarification is necessary because the previous wording could be interpreted to mean that all TVDs associated with GDC 55, 56 and 57 lines, including those located outside the penetration boundary, are required to be locked closed, capped and under administrative control. The original wording was intended to apply only to those TVDs which are containment isolation valves (i.e., only those TVDs located inside the penetration boundary) and which were subject to leak test requirements. The change provides a clear definition of which TVDs

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are containment isolation valves. The above clarification is consistent with SSER 22 which indicated that local leak rate testing of TVDs (which are part of the containment system barrier) is not required as long as the barrier configurations are maintained (locked closed and capped) using an administrative control program. The change also adds isolation by blind flange as an acceptable alternative to capping. A further clarification included within this change is that exceptions to leak rate testing which already apply to the other valves in the penetration also apply to their associate TVDs. Also TVDs which are local leak rate tested, do not require capping. Thus capping is only required for TVDs defined as containment isolation valves and require leak rate testing, but are not local leak rate tested. Except as noted above, all other use of caps for TVDs is optional.

Change Request Number : SA-93-137.
Commitment Register Number :
Related SER : 6.2 SSER :22 6.2
SER/SSER Impact : No

- 6.2-109 4 Adds "and monitored by the wattmeter" to a sentence discussing the control of the recombination process.
Addition :
Relocation of a portion of Q&R 032.85 response to FSAR text in preparation for the USAK.
Change Request Number : SA-92-117.2
Commitment Register Number :
Related SER : 6.2.4 SSER :22 6.2.4
SER/SSER Impact : No
- 6.2-110 4 Elaborates on the information provided in Reference [12] to Section 6.2.5, and notes that acceptance for the prototype and production models of the electric hydrogen recombiners is documented in References [15] & [16] to the same Section.
Addition :
Relocation of a portion of Q&R 032.85 response to FSAR text in preparation for the USAR.
Change Request Number : SA-92-117.3
Commitment Register Number :
Related SER : 6.2.4 SSER :22 6.2.4
SER/SSER Impact : No
- 6.2-126 4 Adds listings for two letters to the references given at the end of FSAR Section 6.2.5. These letters document acceptance for the prototype and production models of the electric hydrogen recombiners.
Addition :

Prefix Page (as amended)	Group Description
	Relocation of references given in Q&R 032.85 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-117.4 Commitment Register Number : Related SER : 6.2.4 SSER :22 6.2.4 SER/SSER Impact : No
6.2-130	4 Adds information on assumptions used in hydrogen generation calculations. Addition : Relocation of a portion of Q281.1 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-257.4 Commitment Register Number : Related SER : 6.1.2 SSER :09 APP M SER/SSER Impact : No
Table 6.2.4-2	4 See Sheet No(s) :17 Revises Note 8 to clarify the capping requirements and leak rate testing requirements of test connections, vent and drain valves (TVDs) defined as containment isolation valves. Clarification : See justification provided for the change to page 6.2-91. Also, the words "pressure boundary" have been corrected to be "penetration boundary". The word "pressure" was inadvertently substituted for "penetration" when this note was previously revised in Amendment 76. Change Request Number : SA-93-137. Commitment Register Number : Related SER : 6.2 SSER :22 6.2 SER/SSER Impact : No
6.3-2	4 Incorporating response to Q&R 212.60 and adding margin notation for this Q&R to identify its incorporation location. Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR. Change Request Number : SA-92-411. Commitment Register Number : Related SER : 6.3 SSER : SER/SSER Impact : No
6.3-3	4 Adds response to RESAR-3 question (6.2) (part of NRC question Q032.1) to the FSAR text. Q&R Incorporation : This information is being relocated to the FSAR text as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e). Change Request Number : SA-92-77. Commitment Register Number :

Prefix Page (as amended)	Group Description
	Related SER : 15.4 SSER : SER/SSER Impact : No
6.3-4	4 Clarifies the basis, and the assumptions used, for the development of Figure 6.3-2 and Table 6.3-1. Clarification : Relocation of a portion of Q212.49 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-400.2 Commitment Register Number : Related SER : 6.3.2 SSER : SER/SSER Impact : No
6.3-4	4 Adds the following sentence to a general discussion on ECCS design: "All ECCS equipment has been designed to perform its design function for at least one year without any periodic maintenance." Addition : Relocation of a portion of Q&R 212.57 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-408.2 Commitment Register Number : Related SER : 6.3.2 SSER : SER/SSER Impact : No
6.3-11	4 Adds information on the "hammer blow" feature which is provided on ECCS motor operated valves. Addition : Relocation of Q&R 212.56 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-407.2 Commitment Register Number : Related SER : 6.3.2 SSER : SER/SSER Impact : No
6.3-14	4 Clarifies the assumptions used in the development of Table 6.3-1, concerning the available and required net positive suction head for ECCS charging and safety injection pumps. Clarification : Relocation of a portion of Q&R 212.49 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-400.3 Commitment Register Number : Related SER : 6.3.2 SSER : SER/SSER Impact : No
6.3-15	4 Adds the following sentence to a discussion of the required net positive suction head for ECCS pumps: "ECCS pump specifications include a specified maximum required NPSH which the pump is required to meet." Addition :

Prefix Page (as amended)	Group Description
	Relocation of a portion of Q212.47 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-398.3 Commitment Register Number : Related SER : 6.3 SSER : SER/SSER Impact : No
6.3-23	4 Adds further discussion on provisions for maintenance of ECCS components outside containment during recovery from a LOCA. Addition : Relocation of a portion of Q&R 212.57 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-408.3 Commitment Register Number : Related SER : 6.3.2 SSER : SER/SSER Impact : No
Figure 6.3-2	4 See Sheet No(s) :05, 06, 07 & 08 Adds footnote to the Notes for Figure 6.3-2, which states that the pressure given provides adequate NPSH to the charging and safety injection pumps, and references Table 6.3-1 for actual minimum available NPSH based on the actual layout and using conservative assumptions. Also, makes editorial enhancements to the identification of footnotes within the Notes to the Figure. Addition : Relocation of a portion of Q&R 212.49 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-400.4 Commitment Register Number : Related SER : 6.3.2 SSER : SER/SSER Impact : No
6.4-3	3 Relocates applicable portions of the response to NRC question Q312.7 to FSAR text section 6.4.1.3. Correction : Response to the NRC question is revised to refer to the FSAR text section. Change Request Number : SA-92-269.1 Commitment Register Number : Related SER : 6.4 SSER :22 6.4 SER/SSER Impact : No
6.4-6	4 Adds sentence referencing the FSAR Figure location of the ventilation discharge stacks, and notes (as the Q&R response noted) that these stacks represent potential radiation release locations. Editorial : Relocation of Q&R 312.24 response to FSAR text in preparation for the USAR. Change Request Number : SA-92-275.2

Prefix Page (as amended)	Group Description
	Commitment Register Number : Related SER : 6.4 SSER : SER/SSER Impact : No
6.6-2	4 Updates commitment to provide an inservice inspection program to reflect that an inservice inspection program has been submitted for each unit. Update : Inservice Inspection Program for Unit 1 was submitted via TXX-90543 dated 10/15/90. Inservice Inspection Program for Unit 2 was submitted via TXX-93344 dated 10/6/93. Change Request Number : SA-92-307.2 Commitment Register Number : X1-0901 Related SER : 5.2.4 SSER : 6.6 SER/SSER Impact : No
7.1-48	3 FSAR change adds description of white noise analysis techniques for determining sensor response time. Addition : White noise analysis can be used as an indicator of time response degradation in a sensor. A comparison or correlation of the hydraulic based time response is made to the white noise method. The hydraulic time response is used as a baseline measurement from which the sensor response is obtained . On subsequent measurements the white noise test is performed and the results are compared to the baseline. If degradation is seen it is indicative of a problem and further action may be appropriate. A description of the white noise analysis techniques is added to the FSAR which explains how white noise to is used to determine response times for pressure sensors. Change Request Number : SA-93-65. Commitment Register Number : Related SER : SSER : SER/SSER Impact : No
7.2-6	4 See Sheet No(s) :7, 8 & 9 Relocates information provided in the response to Q032.77 to FSAR text. Q&R Incorporation : This information is being relocated to the FSAR text as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e). Change Request Number : SA-92-114. Commitment Register Number : Related SER : 7.2 SSER : SER/SSER Impact : No
Table 7.5-7A	2 See Sheet No(s) :01

Prefix Page (as amended)	Group Description
	<p>Deletes reference to note 4 and adds ERFCS under the column "CR Displays" and also changes from "NO" to "YES" under the column "TSC/EOF", corresponding to control rod position indication.</p> <p>Revision :</p> <p>The new plant computer system configuration provides this information at these locations.</p> <p>Change Request Number : SA-93-9.1</p> <p>Commitment Register Number :</p> <p>Related SER : 7.5 SSER :22 7.5</p> <p>SER/SSER Impact : No</p>
Table 7.5-7C	<p>2 See Sheet No(s) :01</p> <p>Deletes note 4 which stated that the control rod position do not exist for input to the ERF Computer.</p> <p>Revision :</p> <p>The new plant computer system provides the additional information at these locations.</p> <p>Change Request Number : SA-93-9.2</p> <p>Commitment Register Number :</p> <p>Related SER : 7.5 SSER :22 7.5</p> <p>SER/SSER Impact : No</p>
7.6-3	<p>4 See Sheet No(s) :4 thru 7</p> <p>Adds new Section 7.6.1.3 discussing control system failures.</p> <p>Q&R Incorporation :</p> <p>The information in this section is relocated from the response to Q032.108 and is part of the process for converting the FSAR into an "updated FSAR" per 10CFR50.71(e).</p> <p>Change Request Number : SA-92-133.</p> <p>Commitment Register Number :</p> <p>Related SER : 7.6 SSER :</p> <p>SER/SSER Impact : No</p>
Table 7.6-1	<p>4 See Sheet No(s) :01 thru 12</p> <p>Adds new Table 7.6-1.</p> <p>Q&R Incorporation :</p> <p>Table 7.6-1 contains the information relocated from Table 032.108-1. The relocation is part of the process of converting the FSAR into an "updated FSAR" per 10CFR50.71(e).</p> <p>Change Request Number : SA-92-133.</p> <p>Commitment Register Number :</p> <p>Related SER : 7.6 SSER :</p> <p>SER/SSER Impact : No</p>
Table 7.6-2	<p>4 Adds new Table 7.6-2.</p> <p>Q&R Incorporation :</p> <p>The information in Table 7.6-2 is relocated from Table 032-108-6 as part of the process to convert the FSAR into an "updated FSAR" as required by</p>

Prefix Page (as amended)		Group Description
		10CFR50.71(e). Change Request Number : SA-92-133. Commitment Register Number : Related SER : 7.6 SSER : SER/SSER Impact : No
Table 7.6-3	4	Adds new Table 7.6-3. Q&R Incorporation : The information in Table 7.6-3 is relocated from Q&R Table 032-108-7 as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e). Change Request Number : SA-92-133. Commitment Register Number : Related SER : 7.6 SSER : SER/SSER Impact : No
Table 7.6-4	4	Adds new Table 7.6-4. Q&R Incorporation : The information in Table 7.6-4 is relocated from Q&R Table 032-108-8 as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e). Change Request Number : SA-92-133. Commitment Register Number : Related SER : 7.6 SSER : SER/SSER Impact : No
Table 7.6-5	4	Adds new Table 7.6-5. Q&R Incorporation : The information in Table 7.6-5 is relocated from Q&R Table 032-108-9 as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e). Change Request Number : SA-92-133. Commitment Register Number : Related SER : 7.6 SSER : SER/SSER Impact : No
Table 7.6-6	4	Adds new Table 7.6-6. Q&R Incorporation : The information in Table 7.6-6 is relocated from Q&R Table 032-108-14 as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e). Change Request Number : SA-92-133. Commitment Register Number : Related SER : 7.6 SSER : SER/SSER Impact : No
8.3-18	4	Adds discussion regarding the configuration of the on-site and off-site power sources during power operations testing of the on-site emergency diesel

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generators. Included in this discussion is information on the impact of a single failure on separation of redundant portions of standby power system from preferred power system when required, and availability of both preferred and redundant onsite power sources.

Addition :

Relocation of Q&R 040.59 response to FSAR text in preparation for the USAR.

Change Request Number : SA-92-161.1

Commitment Register Number :

Related SER : 8.3.1 SSER :22 8.3.1

SER/SSER Impact : No

8.3-33

- 2 Deletes the reference to "one (UPS) for the plant computer", from the description under "118-V Uninterruptible AC Power".

Revision :

The UPS was feeding the old computer which has been replaced by new plant computer system that is powered from 25KVA inverters IV1C5 and IV1C6.

Change Request Number : SA-93-9.4

Commitment Register Number :

Related SER : 8.3 SSER :22 8.3

SER/SSER Impact : No

8.3-43

- 4 Adds information on the non-applicability of individual penetration circuit conductors to an existing discussion.

Addition :

Relocation of a portion of Q040.13 response to FSAR text in preparation for the USAR.

Change Request Number : SA-92-141.2

Commitment Register Number :

Related SER : 8.4 SSER :22 8.4

SER/SSER Impact : No

8.3-44

- 4 Adds information on testing of protective devices.

Addition :

Relocation of a portion of Q040.13 response to FSAR text in preparation for the USAR.

Change Request Number : SA-92-141.3

Commitment Register Number : RE-0224

Related SER : 8.4 SSER :22 8.4

SER/SSER Impact : No

8.3-65

- 2 Deletes description of Non-Class 1E transformers T1C5-1 and T1C6-1 located in the cable spreading room.

Revision :

Due to the new plant computer system configuration, the transformers which were feeding the computer disk drive are no longer required.

Prefix Page (as amended)	Group Description
	Change Request Number : SA-93-9.5 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
8.3-67	2 Adds description to reflect the permanent retention of the Data Acquisition System (DAS) soft run cables (cables not in raceways) inside the Unit 1 Containment Building. Revision : Non-class 1E Data Acquisition System (DAS) cables inside and outside containment were originally installed for temporary use to provide inputs from temperature and thermal sensors to the Plant Process Computer System. These cables intended for temporary use were not installed in raceways. The Plant Process Computer is being upgraded to make it similar to the new Unit 2 design when the temporary cables outside the Unit 1 containment are replaced. However, the DAS soft run cables inside the containment are to remain intact to minimize the creation of contaminated waste and maintain personnel exposure ALARA. These cables which meet IEEE 383 requirements are not prone to physical damage or essential for plant safe shutdown. The cables are also supported in order to meet the Seismic Category II requirements. The revised FSAR page for this change was inadvertently incorporated in Amendment 89 but without an accompanying description/justification. The description of the change is therefore provided in this amendment. No FSAR page is provided. Change Request Number : SA-92-855.1 Commitment Register Number : Related SER : 8.4.4 SSER :22 8.4.4 SER/SSER Impact : No
Table 8.3-2	2 See Sheet No(s) :02 Removes computer inverter IV1C1, from the Emergency Electrical Loading Requirement for Loss of Offsite Power(Blackout) Conditions. Revision : This inverter is no longer used because the new computer is fed from the 25KVA inverters IV1C5 and IV1C6. Change Request Number : SA-93-9.6 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Table 8.3-9	3 See Sheet No(s) :2 Changes the number of MCCs powered from the buses 1B4/2B4 from "6" to "4".

Prefix Page (as amended)	Group Description
	<p>Revision :</p> <p>The Administration Building MCC XB4-2 and the Maintenance Building XB4-3 are modified in order to be powered from 25KV plant support power. This change results in reduction to the plant electrical load and reduces congestion in feeder manholes as well as improve the voltage at the plant MCC bus.</p> <p>Change Request Number : SA-90-172.1 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No</p>
Table 8.3-11	<p>2 See Sheet No(s) :02 Removes TBX-ASELIV-01 (computer power supply inverter IV1C1), from the list of "Non-class 1E Equipment Connected to Safety Related Power Circuits".</p> <p>Revision :</p> <p>This inverter is no longer used because the new computer is fed from the 25KVA inverters IV1C5 and IV1C6.</p> <p>Change Request Number : SA-93-9.7 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No</p>
Table 8.3-11	<p>3 See Sheet No(s) :03, 06 and 07 Change the following equipment ID numbers from: 1-RE-5502/03/66 to 1-REK-5502/03/66 (Sheet 3) X-RE-5568/75/67A to X-REK-5567A/68A/75A (Sheet 6) X-RE-5568/75/67B to X-REK-5567B/68B/75B (Sheet 7)</p> <p>Update :</p> <p>The changes to the equipment ID numbers are necessary to reflect the removal of the Roots AF-22 blowers, which have become obsolete, and the installation of the Thomas Industries' blowers.</p> <p>Change Request Number : SA-92-804.4 Commitment Register Number : Related SER : 8.3.1 SSER :22 8.3.1 SER/SSER Impact : No</p>
Table 8.3-11	<p>2 See Sheet No(s) :12 Changes the table to reflect the relocation of non class 1E transformer CPX-ELTRET-08 power supply from MCC XEB4-2 cubicle 4BL to 6A.</p> <p>Correction :</p> <p>The cubicle 4BL/4BR is replaced with 4B to provide the power supply for Primary ant ESF heater CPX-VAFUPK-16. This activity aliq the power source of the ESF heater to the associated fan CPX-VAFNCB-22. This will allow the fan and heater to be available to auto start in the event of a LOCA on either Unit with the other Unit in an outage condition.</p>

Prefix Page (as amended)	Group Description
	Change Request Number : SA-93-99.1 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Figure 8.3-1	3 Removes the power supply of Non-Class 1E MCCs XB4-2 and XB4-3 from plant power switchgear 1B4. Revision : The Administration Building MCC XB4-2 and the Maintenance Building MCC XB4-3 are modified in order to be powered from 25KV plant support power. This change results in reduction to the plant electrical load and reduces congestion in feeder manholes as well as improve the voltage at the plant MCC bus. Change Request Number : SA-90-172.2 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Figure 8.3-7	3 See Sheet No(s) :2 Deletes the Non-Class 1E MCCs XB4-2 and XB4-3 and the associated cables from the plant power switchgear 1B4. Revision : The Administration Building MCC XB4-2 and the Maintenance Building MCC XB4-3 are modified in order to be powered from 25KV plant support power. This change results in reduction to the plant electrical load and reduces congestion in feeder manholes as well as improve the voltage at the plant MCC bus. Change Request Number : SA-90-172.3 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Figure 8.3-9	2 See Sheet No(s) :01 Revises the figure to reflect the sparing of the 1EB1-1 cubicle 5F with 100AF breaker. Correction : The Primary Plant ESF heater CPX-VAFUPK -15 and the 225AF breaker bucket power supply is relocated to XEB3-2 cubicle 7J and the spare 100AF breaker bucket at cubicle 7J moved to 1EB1-1 cubicle 5F. Change Request Number : SA-93-99.2 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Figure 8.3-9	2 See Sheet No(s) :01 Deletes the cable connection to the 7.5KVA computer inverter IVIC1 from MCC 1EB1-1 breaker position 1BR and spares the existing breaker. Revision :

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This inverter is no longer used because the new computer is fed from the 25KVA inverters IV1C5 and IV1C6.

Change Request Number : SA-93-9.8
Commitment Register Number :
Related SER : 8.3 SSER :22 8.3
SER/SSER Impact : No

Figure 8.3-9

3

See Sheet No(s) :03

Updates the figure to identify replacement of one 3 phase, 480-volt pump for the Radiation Monitor Skid with dual, single phase 120 volt pumps, which are supplied by a 480/120 volt transformer. This change also re-labelled the tag number for the Radiation Monitor Skid as 1-REK-5502/03/66.

Update :

Unit 1 and Common Radiation Monitoring System had used a Roots AF-22 blower. The Roots AF-22 blower, which is obsolete, has been replaced with Thomas Industries pumps. (The Thomas Industries' pump is actually a blower.) The obsolete blower is no longer supported by the vendor. The Thomas Industries' pump meets the same qualification/installation requirements as the Roots AF-22 blower and is powered from the same power source. The utilization of the Thomas Industries' pumps is supported by Safety Evaluation No. 92-153.

Change Request Number : SA-92-804.1
Commitment Register Number :
Related SER : 8.3.1 SSER :22 8.3.1
SER/SSER Impact : No

Figure 8.3-9

2

See Sheet No(s) :03

Revises the figure to reflect the sparing of 1EB2-1 cubicle 5M with the 225AF breaker.

Correction :

The Primary Plant ESF heater CPX-VAFUPK-16 power supply is relocated to XEB4-2 cubicle 4B supplied by 225AF breaker bucket.

Change Request Number : SA-93-99.3
Commitment Register Number :
Related SER : 8.3 SSER :22 8.3
SER/SSER Impact : No

Figure 8.3-11

3

See Sheet No(s) :02

Updates the figure to identify replacement of one 3 phase, 480-volt pump for the Radiation Monitor Skids with dual, single-phase 120-volt pumps, which are supplied by a 480/120 volt transformer. The change also re-labels the tag numbers for the Radiation Monitor skids as X-REK-5895A and X-REK-5896B.

Update :

Unit 1 and Common Radiation Monitoring System use Roots AF-22 blowers. The Roots AF-22 blowers, which

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are obsolete, have been replaced with Thomas Industries' pumps. (The Thomas Industries' pumps are actually blowers.) The obsolete pumps are no longer supported by the vendor. The Thomas Industries' pumps meet the same qualification/installation requirements as the Roots AF-22 blowers and are powered from the same power sources. The utilization of the Thomas Industries' pumps is supported by Safety Evaluation No. 92-153.

Change Request Number : SA-92-804.3
Commitment Register Number :
Related SER : 8.3.1 SSER :22 8.3.1
SER/SSER Impact : No

Figure 8.3-11

3

See Sheet No(s) :03

Updates the figure to identify replacement of one, 3 phase, 480-volt pump for the Radiation Monitor Skids with dual, single-phase 120 volt pumps, which are supplied by a 480/120 volt transformer. This change also relabelled the tag numbers for the Radiation Monitor Skids as X-REK-5567A/68A/75A and X-REK-5567B/68B/75B.

Update :

Unit 1 and Common Radiation Monitoring System used Roots AF-22 blowers. The Roots AF-22 blowers, which are obsolete, have been replaced with Thomas Industries' pumps. (The Thomas Industries' pumps are actually blowers.) The obsolete blowers are no longer supported by the vendor. The Thomas Industries' pumps meet the same qualification/installation requirements as the Roots AF-22 blowers, and are powered from the same power sources. The utilization of the Thomas Industries' pumps is supported by Safety Evaluation No. 92-153.

Change Request Number : SA-92-804.2
Commitment Register Number :
Related SER : 8.3.1 SSER :22 8.3.1
SER/SSER Impact : No

Figure 8.3-11

2

See Sheet No(s) :03

Revises the figure to reflect the relocation of power supply for the Primary Plant ESF heater CPX-VAFUPK-15 to XEB3-2 cubicle 7J and deletion of space 7D from XEB3-2.

Correction :

This aligns the power source of the ESF heater to the associated fan CPX-VAFNCB-21. This allows the fan and the heater to be available to auto start in the event of a LOCA on either Unit with the other Unit in an outage condition. Relocation of the 225AF breaker bucket to cubicle 7J elimination of the space 7D.

Change Request Number : SA-93-99.4

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		Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Figure 8.3-11	2	See Sheet No(s) :03 Revises the figure to identify the relocation of the power supply to the Primary Plant ESF heater CPX-VAFUPK-16 to XEB4-2 breaker cubicle 4B via 225AF breaker bucket and the relocation of the power supply to the Lighting Transformer CPX-ELTRET-08 to XEB4-2 breaker cubicle 6A. Correction : The cubicle 4BL/4BR is renamed as 4B as the two 100AF breaker buckets not in use are removed. The relocation of the power supply aligns the power source of the ESF heater to the associated fan CPX-VAFNCB-22. This allows the fan and the heater to be available to auto start in the event of a LOCA on either Unit with the other Unit in an outage condition. Change Request Number : SA-93-99.5 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Figure 8.3-13	2	See Sheet No(s) :01 Deletes the power supply from panels 1C5 and 1C6 to the transformers T1C5-1 and T1C6-1 as well as the transformers including the loads fed by the transformers ie. panels 1C5-1 and 1C6-1 and computer disk drive. Also deletes the cable connection to the computer inverter from panel 1C1. Revision : These devices are not used for the new plant computer system configuration. Change Request Number : SA-93-9.9 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Figure 8.3-14A	2	See Sheet No(s) :01 Deletes cables connecting to the static inverter IV1C1 from the breaker position 2-11 of DC switchboard 1D2 and spares the breaker. Revision : This inverter is no longer used because the new computer is fed from the 25KVA inverters IV1C5 and IV1C6. Change Request Number : SA-93-9.10 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No

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- Figure 8.3-15B 2 See Sheet No(s) :01
Revises the description of the cabinets and the cable fed from the breaker position 1 of the panelboard 1EC5 to show "Plant Computer MUX CAB CP1-PCDACP-07A&B". Deletes cable and the connection to "ERF MUX CAB" from breaker position 2 of the panelboard and spares this breaker.
Revision :
 The cabinets are renamed to match with Unit 2 designations. Also the new plant computer system requires only one feed to energize the components located in the cabinets.
Change Request Number : SA-93-9.11
Commitment Register Number :
Related SER : 8.3 SSER :22 8.3
SER/SSER Impact : No
- Figure 8.3-15B 2 See Sheet No(s) :02
Revises the description of the cabinets and the cable fed from the breaker position 1 of the panelboard 1EC6 to show "Plant Computer MUX CAB CP1-PCDACP-08A&B". Deletes the cable connecting to the "ERF MUX CAB" from the breaker position 2 of the panelboard and spares the breaker.
Revision :
 The cabinets are renamed to match with the Unit 2 plant designations. Also the new plant computer system requires only one feed to energize the components located in the cabinets.
Change Request Number : SA-93-9.12
Commitment Register Number :
Related SER : 8.3 SSER :22 8.3
SER/SSER Impact : No
- Figure 8.3-15C 2 Revises the circuit schedule for the breaker positions 1,2,3,4,6,9,10,11,12 of the Distribution panel 1C5 to show the feed to the new plant computer system. Deletes the cable and the connections from breaker position 8 of the panel including the panel 1C5-1 and the connections to the Disk Drive. Changes the breaker size for the circuits 2,4 and 6 of panel 1C5, from "15A, 25A and 40A" respectively to " 25A, 15A and 45A".
Revision :
 F2500 computer is replaced with the new plant computer which is an upgraded system. Also for the breaker position 8, the equipment connected are no longer required being part of the old computer system. The breaker sizes for the circuits are changed to provide the proper rating based on the new loads.
Change Request Number : SA-93-9.13
Commitment Register Number :

Prefix Page (as amended)	Group Description
	Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Figure 8.3-15C	2 Revises the circuit schedule for the breaker positions 1,2,4,5,6,7,9,10,11,12 of the Distribution panel 1C6-1 to show feed to the new Plant Computer System. Deletes the cable and the loads connected from the breaker position 8 of the panel including the transformer T1C6-1 and connection to the Disk drive. Changes the breaker size for circuit 6 of the panel from 40A to 45A . Revision : P2500 computer is replaced with the new plant computer which is an upgraded system. Also for the breaker position 8, the equipment connected are no longer required being part of the old computer system. The breaker size for circuit 6 is changed to provide the proper rating for the new load. Change Request Number : SA-93-9.14 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Figure 8.3-15C	2 Deletes the feed to TB for Data Acquisition System from the breaker position 1 of Distribution panel XC5-1 and spares the breaker. Revises the circuit 6 to identify the new computer tag. Revision : Data Acquisition System is not part of the new computer system and is not required. The new computer component is fed from circuit 6. Change Request Number : SA-93-9.15 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Figure 8.3-15C	2 Deletes the cables and connections to TB for ERF at positions 3 and 4 of Distribution panel XC6-1 and spares the breakers. Revises the circuit 6 of the panel to identify the new computer component Revision : These circuits 3 and 4 are not required for the new plant computer. Also the new computer component is fed from circuit 6. Change Request Number : SA-93-9.16 Commitment Register Number : Related SER : 8.3 SSER :22 8.3 SER/SSER Impact : No
Table 9.1-3	3 See Sheet No(s) :03 Changes Table 9.1-3, sheet 3 to revise acceptable micron ratings in the Spent Fuel Pool Cleaning System filters.

Prefix Page
(as amended)

Group Description

Revision :

This change reflects specification of finer size filters currently available in the industry which will further reduce the particulate matter in the various system, subsystems, or process piping; thereby reducing radiation contamination, equipment wear, and pump seal degradation. The systems' performance and functions are not adversely affected. Specifying the micron ratings in absolute values instead of nominal values will allow an easy comparison of filters manufactured by different manufacturers. Absolute filter ratings identify the largest hard spherical particle that will pass through the filter. The nominal filter ratings currently specified are arbitrary values provided by filter manufacturers.

Change Request Number : SA-93-70.1
Commitment Register Number :
Related SER : 9.1 SSER :
SER/SSER Impact : No

Table 9.2-1

3

See Sheet No(s) :02
Revises Table 9.2-1, sheet 2 to change the second comment (b) for the Auxiliary feedwater (AF) isolation valve to delete the discussion of the use of check valves to prevent backflow from auxiliary feedwater and inserts a statement which indicates the required minimum flow and sufficient NPSH required are available to AF pumps.

Revision :

The check valves were not required to perform an isolation function under any system operating mode. There are no credible operating scenarios under which these valves are required to perform a "closed" safety function.

Change Request Number : SA-93-129.2
Commitment Register Number :
Related SER : 9.2.1 SSER :22 9.2
SER/SSER Impact : No

Figure 9.2-1

3

See Sheet No(s) :03
Adds Note 5 to Figure 9.2-1, sheet 3 to indicate the internals of check valves 1SW-0388 (Zone F1) and 1SW-0389 (Zone F6) were removed.

Revision :

There are no operating scenarios under which these valves are required to be closed. Removal of the valve internals will not affect system operation.

Change Request Number : SA-93-129.3
Commitment Register Number :
Related SER : 9.2.1 SSER :22 9.2
SER/SSER Impact : No

Prefix Page (as amended)		Group Description
Figure 9.2-1	3	<p>See Sheet No(s) :03 Adds Note 6 to Figure 9.2-1, sheet 3 to indicate the internals of check valves 2SW-0388 (Zone F1) and 2SW-0389 (Zone F6) were removed.</p> <p>Revision :</p> <p>The check valves were not required to perform an isolation function under any system operating mode. There are no credible operating scenarios under which these valves are required to perform a "closed" safety function. Removal of the valve internals will not affect system operation.</p> <p>Change Request Number : SA-93-133.1 Commitment Register Number : Related SER : 9.2.1 SSER :22 9.2 SER/SSER Impact : No</p>
9.3-42	4	<p>Adds the following sentence concerning heat tracing: "Heat tracing is utilized inside the plant on 4% boric acid solution lines where potential freezing poses a recrystallization problem."</p> <p>Addition :</p> <p>Relocation of a portion of Q372.6 response to the FSAR text in preparation for the USAR. Note that reference to 12% boric acid solution lines has been removed, since these lines are no longer used.</p> <p>Change Request Number : SA-92-462.2 Commitment Register Number : Related SER : 9.4 SSER :22 9.4 SER/SSER Impact : No</p>
Table 9.3-7	3	<p>See Sheet No(s) :11 & 12 Changes Table 9.3-7, sheets 11 and 12 to revise acceptable micron ratings in the Chemical and Volume Control System filters.</p> <p>Revision :</p> <p>Refer to the justification for Table 9.1-3, sheet 3 Change Request Number SA-93-70.1. Change Request Number : SA-93-70.2 Commitment Register Number : Related SER : 9.3 SSER : SER/SSER Impact : No</p>
Table 9.3-8	3	<p>See Sheet No(s) :02 & 03 Changes Table 9.3-8, sheets 2 and 3 to revise acceptable micron rating in the Boron Recycle System filters.</p> <p>Revision :</p> <p>Refer to the justification for Table 9.1-3, sheet 3 Change Request Number SA-93-70.1. Change Request Number : SA-93-70.3 Commitment Register Number : Related SER : 9.3 SSER : SER/SSER Impact : No</p>

Prefix Page
(as amended)

Group Description

- Figure 9.3-10 3 See Sheet No(s) :03
Change Figure 9.3-10, Sheet 3 to show solenoid operated valves 8202A/B and 8210A/B as "normally closed" and add a note explaining that these valves are maintained in the "normally closed" position, except when the positive displacement pump (PDP) is in operation, when they are opened.
Revision :
The valves only need to be open when the PDP is in operation. The PDP is in operation only a small percentage of the overall time; a centrifugal charging pump (CCP) is in operation a majority of the time. Closing the valves and isolating the PDP suction stabilizer during CCP operation will preclude the possibility of reduced performance from and/or damage to the CCP's from an uncontrolled gas addition into the pump(s) suction. This change will not affect the performance or functions of the valves. The safety failure position of these valves remains "closed" and this change is conservative with respect to plant safety.
Change Request Number : SA-93-93.1
Commitment Register Number :
Related SER : 9.3 SSER :
SER/SSER Impact : No
- 9.4-2 4 Incorporating response to Q&R 372.23 and adding margin notation for the Q&R to identify its incorporation location.
Q&R Incorporation :
Q&R relocation is being performed to prepare the FSAR for the USAR.
Change Request Number : SA-92-474.
Commitment Register Number :
Related SER : 9.4 SSER :
SER/SSER Impact : No
- Table 9.4-2 4 See Sheet No(s) :1 thru 4
Adds a footnote (with the appropriate number of asterisks) to Table 9.4-2 regarding the minimum design basis temperature in non-air conditioned areas. As an editorial enhancement to this table, all three footnotes to Table 9.4-2 are now located on the last sheet of the Table.
Addition :
Relocation of a portion of Q372.6 response to the FSAR text in preparation for the USAR.
Change Request Number : SA-92-462.3
Commitment Register Number :
Related SER : 9.4 SSER :22 9.4
SER/SSER Impact : No

Prefix Page (as amended)	Group Description
9.4C-6	<p>4 Adds the following sentence to the section on the electrical area ventilation system to connect this section with Table 9.4-2: "The design indoor conditions during normal plant conditions can be found in Table 9.4-2."</p> <p>Addition :</p> <p>Relocation of connection, as stated within the Q372.6 response, between the electrical area ventilation system and Table 9.4-2 in preparation for the USAR.</p> <p>Change Request Number : SA-92-462.4 Commitment Register Number : Related SER : 9.4 SSER :22 9.4 SER/SSER Impact : No</p>
9.5-27	<p>4 Clarifies application of ANSI N101.2 & N512 to protective coating systems.</p> <p>Clarification :</p> <p>Makes text consistent with information presented in FSAR Section 6.1B.2 and Table 17A-1.</p> <p>Change Request Number : SA-92-257.5 Commitment Register Number : Related SER : 6.1.2 SSER :09 APP M SER/SSER Impact : No</p>
Figure 9.5-43	<p>3 Removes from the figure, diesel engine driven fire pump fuel oil tank and the Locked Closed (LC) designation from the associated two valves for the tank. Updates the figure to show the addition of caps for pipes disconnected from the tank.</p> <p>Update :</p> <p>The fuel oil tank was abandoned in place and is not in service. The tank is being removed per DM 93-035 to comply with Texas Water Commission requirements for underground storage tank not in service. The two valves with the LC designation are in lines being abandoned in place and capped and can be deleted from the LC program for valves.</p> <p>Change Request Number : SA-93-81.1 Commitment Register Number : Related SER : 9.5.1 SSER :27 9.5.1 SER/SSER Impact : No</p>
Figure 9.5-56	<p>4 See Sheet No(s) :01 and 02 Relocate the Unit 1 diesel generator drip system lube oil supply point.</p> <p>Clarification :</p> <p>The relocation of the Unit 1 lube oil supply point is necessary to make the design consistent with Unit 2. The new branch connection will provide oil at a higher pressure which will ensure better flow during shutdown conditions. Since the new tubing run will exceed the existing manufacturer's installation</p>

Prefix Page (as amended)	Group Description
	specification, there is no potential safety impact. Change Request Number : SA-93-57.1 Commitment Register Number : Related SER : 9.5.7 SSER :22 9.5.7 SER/SSER Impact : No
10.2-18	4 Changes Section 10.2.2.7.7 discussion to update the high pressure (HP) stop and control valve closure time to "less than 500 millisecond" and the low pressure (LP) stop and control valve closure time to "less than 1500 millisecond". Update : This change is an update of information to which makes the discussion in Section 10.2.2.7.7 consistent with related descriptions the FSAR text and the Technical Specifications. This change does not reflect a change to the facility, procedures, or commitments. Change Request Number : SA-93-123.1 Commitment Register Number : Related SER : 10.2 SSER : SER/SSER Impact : No
10.2-21	4 Relocates the first paragraph of Section 10.2.2.7.8, Item 2 "High-pressure and low-pressure stop and control valves" to follow Item 1 "Turbine mechanical trip devices...". Inserts the discussion that turbine mechanical trip devices are normally tested "at least once every two weeks". Correction : This change reformats text to distinguish the discussion of Section 10.2.2.7.8 Item 1, "Turbine mechanical trip devices..." from Item 2 "High-pressure and low-pressure stop and control valves". The inserted text also clarifies the differences in testing frequency between Item 1 and Item 2. Change Request Number : SA-93-123.2 Commitment Register Number : OP-0029 Related SER : 10.2 SSER : SER/SSER Impact : No
10.2-37	4 Adds "or manual test" to the discussion of the stop and control valves tests in the second paragraph on page 10.2-37 (Section 10.2.3.6). Clarification : This change makes the discussion consistent with the description of the tests discussed in Subsection 10.2.2.7.8 and the Technical Specifications. Change Request Number : SA-93-123.3 Commitment Register Number : OP-0029 Related SER : 10.2 SSER : SER/SSER Impact : No

Prefix Page (as amended)		Group Description
10.3-22	3	<p>See Sheet No(s) :23</p> <p>Adds Item 7 to the list of Section 10.3.5, "Maintain Steam Generator tube integrity". Includes editorial changes to text (i.e., verb changes from future to past and present tense) to reflect current system design and chemistry control program status. In Section 10.3.5 deletes specific reference to the use of Hydrazine for oxygen control to provide the flexibility necessary to permit use of alternate amine chemicals as determined by the continued application and improvements to the secondary Water Chemistry Control Program. Deletes the reference to the chemical addition system components not being shared between units.</p> <p>Revision :</p> <p>The deleted reference to the chemical addition system components not being shared between units is intended to clarify the actual design configuration since both the Condensate and Feedwater chemical feed supply piping contain cross-connect valves capable of supplying feed to points in either unit from any of the pumps or tanks. Only the Steam Generator recirc chemical feed subsystem is completely separated between units. The secondary chemistry program has been developed to provide the flexibility needed to permit continuous refinement of the program throughout the life of the plant. This is consistent with the requirements described in SER Section 5.4.2.3 which allows appropriate responses to the various secondary chemistry conditions experienced without unnecessarily impacting plant operations. The deletion of specific reference to use of Hydrazine for oxygen control will allow eventual use of alternate amine chemicals the chemistry program has identified to exhibit desirable chemistry control characteristics.</p> <p>Change Request Number : SA-93-66.1 Commitment Register Number : Related SER : 10.3 SSER : SER/SSER Impact : No</p>
Figure 10.3-1	4	<p>See Sheet No(s) :02</p> <p>Adds a note to FSAR Figure 10.3-1, sheet 2 to indicate a locked closed and capped containment isolation valve (Zone B1) is included in Unit 1 only. Also shows a cap on the valve outlet.</p> <p>Correction :</p> <p>A corresponding Unit 2 valve does not exist for the Unit 1 valve described. This correction clarifies the Containment Isolation configuration and updates the FSAR figure to reflect the FSAR text, Technical Requirements Manual, and Technical Specifications.</p> <p>Change Request Number : SA-93-111.1</p>

Prefix Page (as amended)	Group Description
10.4-76	<p>3</p> <p>Commitment Register Number : Related SER : 10.3 SSER : SER/SSER Impact : No</p> <p>Changes the text description of the Steam Generator Blowdown demineralizers to remove a specific reference to either the two cation or two mixed bed ion demineralizers.</p> <p>Revision :</p> <p>These changes revises FSAR Section 8.4.8.2.1, part 1 to incorporate flexibility in the system description which reflects alternate operating modes presently under consideration for the demineralizer units. Operating experience has shown that operation of the Cation demineralizer with 100% cation resin loads provides no substantial advantage in blowdown water treatment as opposed to use of a mixed bed resin load. By using the Cation demineralizer with a mixed bed load operating costs are lowered by reducing the amount of new cation resin required and subsequent disposal of used resin. The main objective of the SGBLDN system, to inhibit steam generator tube degradation, does not change and will continue to be guided by the Secondary Water Chemistry Control Program.</p> <p>Change Request Number : SA-93-102.1 Commitment Register Number : Related SER : 10.4.8 SSER :22 10.4.8 SER/SSER Impact : No</p>
10.4-124	<p>3</p> <p>See Sheet No(s) :126</p> <p>Deletes the discussion of the condensate polisher analyzers and bottle storage system from Section 10.4.15.1.2.</p> <p>Revision :</p> <p>An upgrade to the to the Condensate Polishing System Conductivity Rack included the replacement of these analyzers with more efficient and reliable equipment.</p> <p>Change Request Number : SA-93-32.1 Commitment Register Number : Related SER : SSER : SER/SSER Impact : No</p>
Table 10.4-6	<p>3</p> <p>See Sheet No(s) :03 & 04</p> <p>Changes Table 10.4-6, sheets 3 and 4 to revise acceptable micron ratings in the Steam Generator Blowdown System filters.</p> <p>Revision :</p> <p>Refer to the justification for Table 9.1-3, sheet 3</p> <p>Change Request Number SP-93-70.1. Change Request Number : SA-93-70.4 Commitment Register Number :</p>

Prefix Page (as amended)		Group Description
		Related SER : 10.4 SSER : SER/SSER Impact : No
Table 10.4-6	3	See Sheet No(s) :05 & 06 Changes Table 10.4-6 by combining the design criteria of the Cation Demineralizers (old Sheet 5) and Mixed Bed Demineralizers (old Sheet 6) into one table (new Sheet 5) "Steam Generator Blowdown System Demineralizers". Deletes reference to resins by manufacturers name and type. Revision : These changes revise the FSAR table criteria to reflect the alternate operating modes presently under consideration for the demineralizer units. Refer to the justification for Page 10.4-76, change request number SA-93-102.1. This changes also deletes reference to resin types by manufacturers name and type, as resin suppliers may vary or other available resins are determined to be more suitable for use. Change Request Number : SA-93-102.2 Commitment Register Number : Related SER : 10.4.8 SSER :22 10.4.8 SER/SSER Impact : No
Table 10.4-16	3	See Sheet No(s) :02 Deletes the Condenser polisher analyzer from the list of components on Sheet 2 of Table 10.4-16. Revision : Refer to the justification for Page 10.4-124/126, Change Request Number 93-32.2. Change Request Number : SA-93-32.2 Commitment Register Number : Related SER : SSER : SER/SSER Impact : No
Figure 10.4-4	3	See Sheet No(s) :01 Adds the diagram of a loop seal in the gland steam condenser exhaust header drain line to Figure 10.4-4, Sh. 1 (zone E5). Revision : A loop seal is being provided to allow continuous draining of the gland steam condenser exhaust header drain line and eliminate the need for frequent operator action. This activity is non-safety related and will not affect any safety related systems, structures, or components. Change Request Number : SA-93-69.1 Commitment Register Number : Related SER : SSER : SER/SSER Impact : No
Figure 10.4-4	3	See Sheet No(s) :01

Prefix Page (as amended)	Group Description
	<p>Changes Figure 10.4-4. sheet 1 (Zone F6) to delete the words "1 INCH ANTI-SIPHON TELL-TALE CONNECTION" from the Main Gland Steam Condenser Drain Loop Seal and shows the connection with a pipe nipple and cap.</p> <p>Revision :</p> <p>There are no requirements to have the anti-siphon connection. Deleting the connection by capping it also permits the operators to fill all three loop seals simultaneously from the one condensate fill connection (see Figure Zone F5). This change has no safety impact.</p> <p>Change Request Number : SA-93-136.1 Commitment Register Number : Related SER : 10.4 SSER : SER/SSER Impact : No</p>
Figure 10.4-5	<p>4 See Sheet No(s) :01 Change FSAR Figure 10.4-5, sheet 1 to reflect the addition of second valve to the anti-scalant chemical injection equipment (zone G-5).</p> <p>Addition :</p> <p>This additional valve was needed in order to install Anti-Scalant Injection equipment while the Circulating Water System was in service. This equipment addition was described in the Figure update provided in Amendment 89. The additional valve was inadvertently omitted in change request number SA-93-76.</p> <p>Change Request Number : SA-93-122.1 Commitment Register Number : Related SER : 10.4 SSER : SER/SSER Impact : No</p>
Figure 10.4-7	<p>3 See Sheet No(s) :03 Deletes the diagram of the Cation Column Condensate Analyzers and Carbon Dioxide Scrubbing Column from the System Conductivity Rack Module as shown on Sheet 3 of Figure 10.4-7.</p> <p>Revision :</p> <p>Refer to the justification for Page 10.4-124/126, Change Request Number 93-32.2.</p> <p>Change Request Number : SA-93-32.3 Commitment Register Number : Related SER : SSER : SER/SSER Impact : No</p>
Figure 10.4-7	<p>3 See Sheet No(s) :04, 05, and 05A Changes Figure 10.4-7 to add an isolation valve to the Backwash Recovery Tank A (Sheet 4, zone D6) and reroute piping (Sheet 4, zone F6; Sheet 5, zone C5; and Sheet 5A, zone C6).</p> <p>Revision :</p> <p>The piping reroute and isolation valve addition is</p>

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(as amended)

Group Description

an enhancement to the current configuration and will
1) allow the use of either spent powdex pump for
fluid transfer to the Unit Phase Separator Tank; 2)
allow measure of the flow from the spent powdex
pumps and the Phase Separator Pump to the Unit Phase
Separator Tank; and 3) facilitate the flushing of
the suction line by allowing isolation of flow back
to the tank during flushing with demineralized water
through valve 1-HV-6492. The piping relocation is
does not change the design or operability of this
non-safety system. These changes will aid the
operator in resin transfer and better isolate the
condensate polishing system.

Change Request Number : SA-93-55.1
Commitment Register Number :
Related SER : SSER :
SER/SSER Impact : No

Figure 10.4-8

3

See Sheet No(s) :01
Changes Figure 10.4-8, Sheet 1 (zone C2) to remove
pressure switches 1-PS-2222A and 2-PS-2222A,
associated tubing to root valve, close valve and cap
line.

Revision :
A minor modification was implemented removing the
Main Control Room annunciation for Condensate
Polisher to condenser Header Pressure Low. This
change removes a nuisance alarm. Its removal does
not affect the ability of the operators to monitor
Condenser vacuum as a predecessor of a Turbine trip.
The Condensate system is non-safety and the hardware
changes affect nonsafety-related components.

Change Request Number : SA-93-60.1
Commitment Register Number :
Related SER : 10.4 SSER :
SER/SSER Impact : No

Figure 10.4-8

3

See Sheet No(s) :01
Adds diagrams of the routing of a nitrogen supply
line to the main condenser (zones B5 and E5).

Revision :
These lines will supply nitrogen to the condenser to
reduce dissolved oxygen content. This is a non
safety system and the addition of these lines will
not affect the operation or the safe shutdown of the
plant.

Change Request Number : SA-93-95.1
Commitment Register Number :
Related SER : 10.4 SSER :
SER/SSER Impact : No

Figure 10.4-17

4

See Sheet No(s) :02
Change Figure 10.4-017, Sheet 2 to show the DWS

Prefix Page (as amended)		Group Description
		Isolation Valve to the Oil Purification Centrifuge 1 as a Unit 1 valve only. Correction : A field walkdown revealed that there is no valve installed at the 2-01 centrifuge as there is on the 1-01 and 1-02 centrifuges. There is no potential impact on safety nor is there any impact on system operation or function. There are no physical changes required on this non-safety related system. Change Request Number : SA-93-107.1 Commitment Register Number : Related SER : 10.4 SSER : SER/SSER Impact : No
Figure 10.4-18	3	See Sheet No(s) :01 Changes the Pressure Reducing Station diagram to remove the continued reference flags to the Condensate Polishing Analyzers and indicates closed valves with caps. Deletes the diagram showing use of the nitrogen bottles and indicates that the station is abandoned in place. Revision : Refer to the justification for Page 10.4-124/126, Changes Request Number 93-32.2. Change Request Number : SA-93-32.4 Commitment Register Number : Related SER : SSER : SER/SSER Impact : No
Figure 10.4-18	3	See Sheet No(s) :01 Adds diagrams to show the routing of nitrogen supply lines to the main condensers and atmospheric drain tanks (zones C4 and E2). Revision : These lines will supply nitrogen to the condenser to reduce dissolved oxygen content. This is a non safety system and the addition of these new supply lines will not affect the operation or the safe shutdown of the plant. Change Request Number : SA-93-95.2 Commitment Register Number : Related SER : 10.4 SSER : SER/SSER Impact : No
Table 11.2-3	3	See Sheet No(s) :21 through 26 Changes Table 11.2-3, sheets 21 through 26 to revise acceptable micron ratings in the Liquid Waste Processing System filters. Revision : Refer to the justification for Table 9.1-3, sheet 3 Changes Request Number SA-93-70.1. Change Request Number : SA-93-70.5 Commitment Register Number :

Prefix Page (as amended)	Group Description
	Related SER : 11.2 SSER : SER/SSER Impact : No
Figure 11.2-4	3 See Sheet No(s) :1 Revise figure to remove locked valve requirements for selected valves in the Liquid Waste Processing System Drain Channel B. Revision : A Minor Modification (MM 93-228) was performed to remove Locked Valve requirements for valves XWP-7416B, XWP-0215 and XWP-0305 to bring normal valve lineup into compliance with preferred Liquid Waste Processing System operating practices. These changes reduce operator radiation exposure during normal work activities and during system surveillances, reduce the number of unnecessarily locked valves, and allow operations flexibility. Also, for valve XWP-7421B, this change brings the subject FSAR figure into consistency with the relevant flow diagram. Unlocking the 1" Floor Drain Tank #2 recirculation valve XWP-7416B and leaving it normally fully open provides adequate recirculation for pump minimum flow protection while the small size does not introduce problems with pump runout. Unlocking valves XWP-0215 and XWP-0305 on the discharge of the Waste Monitor Tank Pumps and changing positions to normally closed is justified by administrative control of isolation valves on both sides of related drain points. Monitoring these valves as part of the Operations Work Instruction Log on a regular basis satisfies the need to identify any telltale leakage into piping from either Unit 1 or Unit 2 Condensate Storage Tanks or from the Liquid Waste Processing System. Valve XWP-7421B is normally closed on flow diagram M1-0266 and in Radioactive Waste Operations procedures. This valve is closed to prevent tank discharge prior to adequate recirculation and sampling. Change Request Number : SA-93-108.1 Commitment Register Number : Related SER : 11.2 SSER : SER/SSER Impact : No
11.3-7	3 Revise description of catalytic recombiners for the Gaseous Waste Processing System. Revision : A plant Design Modification (DM 93-017) was implemented to replace the old Bendix H2 and O2 gas analyzers with new Orbisphere gas analyzers. The new analyzers provide similiar functions and processes as the replaced analysers, in a compact, state-of-the-art microprocessor unit. Normal operating

Prefix Page (as amended)	Group Description
	<p>parameters, control and alarm setpoints were retained.</p> <p>Change Request Number : SA-93-71.1 Commitment Register Number : Related SER : 11.3 SSER : SER/SSER Impact : No</p>
Figure 11.3-1	<p>3 See Sheet No(s) :2 Revise figure to reflect installation of new O2 and H2 gas analyzers for catalytic recombiners of Gaseous Waste Processing System.</p> <p>Revision : A plant Design Modification was implemented to replace the subject analyzers for the catalytic recombiners. See justification for item SA-93-071.1.</p> <p>Change Request Number : SA-93-71.2 Commitment Register Number : Related SER : 11.3 SSER : SER/SSER Impact : No</p>
11.4-9	<p>3 Revise general description of area to be used for interim storage, staging and/or handling of low-level radioactive waste and/or radioactive material.</p> <p>Revision : There is currently insufficient space within the plant to handle and stage the amount of radioactive material and radwaste generated. Accordingly, additional area onsite is required. Due to the expected unavailability of a licensed burial facility offsite, interim storage of low-level radioactive wastes onsite may soon be required. It should be noted that programs to minimize the volume of radioactive waste generated are in progress.</p> <p>Change Request Number : SA-93-144.1 Commitment Register Number : Related SER : 11.2.3 SSER :22 11.2.3 SER/SSER Impact : No</p>
11.4-10	<p>3 Revise description of safety evaluation for the Radioactive Waste Solidification System (RWSS).</p> <p>Revision : The revision deletes unnecessary detail and a reference to ATCOR Topical Report ATC-132A. The reference to the ATCOR report is inappropriate as it does not address personnel exposure and the current method of resin handling/disposal (i.e., transfer to a High Integrity Container (HIC) and dewatering). An Engineering Calculation (ME-CA-0000-3327, Rev.0) documents the resultant offsite exposure with respect to a credible accident/failure of the RWSS. Results show that offsite exposure consequences are very low compared to the values set forth in 10 CFR 100.</p>

Prefix Page (as amended)	Group Description
	Change Request Number : SA-93-139.1 Commitment Register Number : Related SER : 11.2.3 SSER :22 11.2.3 SER/SSER Impact : No
11.5-18	4 Relocates the response to NRC question Q320.5 to FSAR text section 11.5.2.5.5. Update : This change is made in preparation for deletion of Q&R from the USAR. Change Request Number : SA-92-279.2 Commitment Register Number : Related SER : 11.3 SSER :22 11.3 SER/SSER Impact : No
13.2-1	3 See Sheet No(s) :2, 3, 5 & 6 Change training programs from a prescriptive basis to an accredited systems approach to training basis as allowed by 10 CFR 55.31, 55.59, 50.120, and Generic Letter 87-07. This change condenses the training commitments to only reflect compliance with the rulemaking. Revision : 58 FR 21904 states that a systems approach to training program (as defined in part 55.4) and a certified simulator is an acceptable alternative to the prescriptive requirements of part 55. Regulatory Guide 1.8, rev. 2 states that its prescriptive requirements only apply to operating plants training programs which have not yet been accredited. 58 FR 21904 states that an accredited training program is an acceptable means for complying with the provisions of part 50.120. Change Request Number : SA-93-103.2 Commitment Register Number : Related SER : 13.2 SSER :22 13.2 SER/SSER Impact : Yes These changes are consistent with the commitment made in the SER and supplement 22 to comply with the requirements of Regulatory Guide 1.8, rev. 2 pending INPO accreditation.
15.2-33	4 See Sheet No(s) :34 Relocates information related to pressurizer safety water relief during a feed line break, provided in the response to Q212.75, to the FSAR text. Q&R Incorporation : This information is being relocated to the FSAR text as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e). Change Request Number : SA-92-26. Commitment Register Number : Related SER : 15.2 SSER :

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	SER/SSER Impact : No
TMI I.A-2	3 See Sheet No(s) :6, 7, 8 & 10 Incorporate TMI-2 action plan requirements which apply to training activities into the FSAR training section 13.2. Revision : Generic Letter 87-07 and 52 FR 9453 state that the 3/25/87 revision to part 55 incorporated the TMI-2 action plan requirements for licensed personnel. NUREG-1262 further clarifies that the training requirements specified by the H.R. Denton letter (dated 3/28/80) are superseded by the current rule, where the current rule is more restrictive. The current rule in combination with the current INPO accreditation process is more restrictive than the requirements of the TMI-2 action plan. Change Request Number : SA-93-103.3 Commitment Register Number : Related SER : 22.2 SSER :23 22.2 SER/SSER Impact : Yes These changes are consistent with 10 CFR 55 rulemaking issued after the TMI-2 incident.
TMI I.G-2	3 Incorporate TMI-2 action plan requirements which apply to training activities into the FSAR training section 13.2. Revision : Generic Letter 87-07 and 52 FR 9453 state that the 3/25/87 revision to part 55 incorporated the TMI-2 action plan requirements for licensed personnel. NUREG-1262 further clarifies that the training requirements specified by the H.R. Denton letter (dated 3/28/80) are superseded by the current rule, where the current rule is more restrictive. The current rule in combination with the current INPO accreditation process is more restrictive than the requirements of the TMI-2 action plan. Change Request Number : SA-93-103.4 Commitment Register Number : Related SER : 22.2 SSER : SER/SSER Impact : Yes These changes are consistent with 10 CFR 55 rulemaking issued after the TMI-2 incident.
TMI II.B-29	3 Incorporate TMI-2 action plan requirements which apply to training activities into the FSAR training section 13.2. Revision : Generic Letter 87-07 and 52 FR 9453 state that the 3/25/87 revision to part 55 incorporated the TMI-2 action plan requirements for licensed personnel. NUREG-1262 further clarifies that the training requirements specified by the H.R. Denton letter (dated 3/28/80) are superseded by the current rule,

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where the current rule is more restrictive. The current rule in combination with the current INPO accreditation process is more restrictive than the requirements of the TMI-2 action plan.

Change Request Number : SA-93-103.5

Commitment Register Number :

Related SER : 22.2 SSER :23 22.2

SER/SSER Impact : Yes

These changes are consistent with 10 CFR 55 rulemaking issued after the TMI-2 incident.

TMI II.E-27

- 3 Incorporate TMI-2 action plan requirements which apply to training activities into the FSAR training section 13.2.
Revision :

Generic Letter 87-07 and 52 FR 9453 state that the 3/25/87 revision to part 55 incorporated the TMI-2 action plan requirements for licensed personnel. NUREG-1262 further clarifies that the training requirements specified by the H.R. Denton letter (dated 3/28/80) are superseded by the current rule, where the current rule is more restrictive. The current rule in combination with the current INPO accreditation process is more restrictive than the requirements of the TMI-2 action plan.

Change Request Number : SA-93-103.6

Commitment Register Number :

Related SER : 22.2 SSER :22 22.2

SER/SSER Impact : Yes

These changes are consistent with 10 CFR 55 rulemaking issued after the TMI-2 incident.

Q&R 010-32

- 4 See Sheet No(s) :33 & 34
Replaces response to Question Q010.24 with a note to see Sections 7.4.1.3.1, 7.4.1.3.2 and 7.4.2.1, and to refer to Fire Protection Report, Section III for additional information.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information in this response, which concerned design details of the Hot Shutdown Panel circuits, is adequately addressed by information presented in the FSAR Sections referenced and the Fire Safe Shutdown Analysis Section of the Fire Protection Report. Thus, the response may be replaced with the references indicated.

Change Request Number : SA-92-32.1

Commitment Register Number :

Related SER : 7.4.2 SSER :22 7.4.2

SER/SSER Impact : No

Q&R 010-54

- 4 Adds a note to the response to Question Q010.25

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(as amended)

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stating that the information in the response will not be incorporated into the updated FSAR (USAR) text. A reference to see FSAR Section 9.5.1 and Fire Protection Report, Sections II and III for additional information is also provided.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information in the response, which concerned design requirements for associated circuits, is adequately addressed by combined information presented in FSAR Section 9.5.1 and (more extensively) in the Fire Protection Report, Sections II and III. A considerable portion of information pertaining to Fire Protection that previously existed in the FSAR was relocated to the Fire Protection Report per Generic Letters 86-10 and 88-12. Thus, the information in this response does not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-33.1
Commitment Register Number :
Related SER : 9.5.1.5 SSER :26 9.5.1.5
SER/SSER Impact : No

Q&R 010-57

4

Adds a note to the response to Question Q010.27 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text. A reference to refer to Fire Protection Report, Section III for additional information is also provided.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information in the response, which concerned design requirements for associated circuits, is adequately addressed by information presented in the Fire Protection Report Section III, Fire Safe Shutdown Analysis. A considerable amount of information pertaining to Fire Protection that previously existed in the FSAR was relocated to the Fire Protection Report per Generic Letters 86-10 and 88-12. Thus, the information in this response does not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-33.2
Commitment Register Number :
Related SER : 9.5.1.5 SSER :26 9.5.1.5
SER/SSER Impact : No

Q&R 010-59

4

Adds a note to the response to Question Q010.28 stating that the information in the response will not be incorporated into the updated FSAR (USAR)

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(as amended)

Group Description

text. A reference to refer to Fire Protection Report, Section III for additional information is also provided.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information in the response, which concerned design requirements for associated circuits, is adequately addressed by information presented in the Fire Protection Report Section III, Fire Safe Shutdown Analysis. A considerable amount of information pertaining to Fire Protection that previously existed in the FSAR was relocated to the Fire Protection Report per Generic Letters 86-10 and 88-12. Thus, the information in this response does not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-33.3

Commitment Register Number :

Related SER : 9.5.1.5 SSER :26 9.5.1.5

SER/SSER Impact : No

Q&R 032-1e

4

Adds note indicating that the response to the RESAR-3 question Q31.8.2 (part of NRC question Q032.1) will not be incorporated into the FSAR text for the updated FSAR.

Q&R Incorporation :

The original RESAR-3 question related to the single failure criteria of steamline differential pressure sensors during plant operations with a coolant loop isolated (N-1 operations). CPSES does not permit operations with a loop isolated. Therefore the question is not relevant and the response need not be incorporated into the updated FSAR.

Change Request Number : SA-92-77.

Commitment Register Number :

Related SER : 9.5.4 SSER :

SER/SSEF Impact : No

Q&R 032-1e

4

Deletes portions of the response to RESAR-3 question Q31.10 (part of NRC question Q032.1) and replaces it with a reference to where the information is located in the FSAR text.

Q&R Incorporation :

This information is being revised as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e).

Change Request Number : SA-92-77.

Commitment Register Number :

Related SER : 15.4 SSER :

SER/SSER Impact : No

Q&R 032-1f

4

Deletes a portion of the response to RESAR-3

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	<p>question Q31.10 (part of NRC question Q032.1) and retains only the reference to where the information is located in the FSAR text.</p> <p>Q&R Incorporation : This information is revised as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e).</p> <p>Change Request Number : SA-92-77. Commitment Register Number : Related SER : 15.4 SSER : SER/SSER Impact : No</p>
Q&R 032-1p	<p>4 Deletes response to RESAR-3 question (6.2) (part of NRC question Q032.1) and replaces it with a reference to where the information has been relocated in the FSAR text.</p> <p>Q&R Incorporation : This information is being relocated to the FSAR text as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e).</p> <p>Change Request Number : SA-92-77. Commitment Register Number : Related SER : 15.4 SSER : SER/SSER Impact : No</p>
Q&R 032-1s	<p>4 Adds note indicating that the response to RESAR-3 question 15.0.2 (part of NRC question Q032.1) would not be incorporated into the FSAR text.</p> <p>Q&R Incorporation : This NRC question relates to RESAR-3 (15.0.2) which describes a potential boron dilution scenario at power. In the response to this question it was indicated that a boron dilution event would not occur at CPSES for the conditions provided in the scenario. Since this is not a credible CPSES boron dilution scenario, the information provided is considered unnecessary detail and not appropriate for inclusion in the updated FSAR.</p> <p>Change Request Number : SA-92-77. Commitment Register Number : Related SER : 15.4 SSER : SER/SSER Impact : No</p>
Q&R 032-7a	<p>4 Replaces a portion of the response to Q032.7 with references to FSAR Sections 3.11N & 3.11B, and adds a note stating that the remaining information will not be incorporated into the updated FSAR text. Also adds appropriate Q&R margin notations to identify location of incorporation.</p> <p>Q&R Incorporation : This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. Information in the first</p>

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sentence of the second paragraph of the response to Q032.7 is adequately addressed in FSAR Section 3.11N. The remainder of the response references Tables 3.11N-3 and 7.3-4, and a TUGCO letter to the NRC dated 4/18/78. Neither of the tables currently exist in the FSAR. Table 3.11N-3 was replaced with a note to see Appendix 3A, Table 4-1; Table 4-1 has also been deleted and replaced with a note to see control documents (EEQSPs, EQML, DBDs) for specific environmental details. Table 7.3-4 was replaced with a table entitled, "Safety Injection Actuated Equipment List." In addition, information in the TUGCO letter, re: "additional supporting qualification documentation", has been updated since 1978. Currently, the FSAR Sections 3.11N and 3.11B refer to equipment qualification data packages for specific information on both NSSS and BOP equipment qualification; it is, therefore, appropriate to reference these two sections rather than the outdated and superceded information currently contained in the response.

Change Request Number : SA-92-82.1
Commitment Register Number :
Related SER : 3.11 SSER : 6 3.11.3.3
SER/SSER Impact : No

Q&R 032-81

4

See Sheet No(s) : 4 82

Replaces a portion of the response to Q032.72 with a note stating that information, concerning the five systems listed (for McGuire) which do not exist at CPSES, had already been incorporated into FSAR Table 1.3-1 via Amendment 11. The note also states that the remaining information will not be incorporated into the updated FSAR text, due to the deletion of this Table.

Q&R Incorporation :

The portion of the response to Q032.72 related to the five systems listed for the McGuire plant which do not exist at CPSES was adequately addressed by FSAR Table 1.3-1 prior to the Table's deletion; this information may be deleted from the Q&R response, but cannot be replaced with a reference due to the Table's deletion. The remaining information in the Q&R response specifically related to material located in Table 1.3-1. Due to the deletion of this Table and the historical nature of the information, this material will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-112.1
Commitment Register Number :
Related SER : 1.3 SSER :
SER/SSER Impact : No

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Q&R 032-87	4	<p>See Sheet No(s) :88 Deletes response to Q032.77 and replaces it with references to where the information has been relocated in the FSAR text. Q&R Incorporation : This information is being relocated to the FSAR text as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e). Change Request Number : SA-92-114. Commitment Register Number : Related SER : 7.2 SSER : SER/SSER Impact : No</p>
Q&R 032-97	4	<p>See Sheet No(s) :98 Replaces a portion of the response to Q032.85 with a reference to FSAR Section 6.2.5.2.1 and the References provided at the end of Section 6.2.5. Adds a note stating that the remaining information will not be incorporated into the updated FSAR text. Also adds appropriate Q&R margin notations to identify location of Q&R incorporation. Q&R Incorporation : This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. The response to Q032.85 is divided into three parts. Information in Q032.85 response (1) re: table reference for hydrogen recombiner design parameters; (2) re: thermocouple readout provisions and its relationship with the recombiner; and, (3) re: related topical reports, is adequately addressed in FSAR Section 6.2.5.2.1. A portion of the response to Q032.85 (2) & (3) is incorporated in Section 6.2.5.2.1 and the References for Section 6.2.5 to allow part of this response to be replaced with references to these areas. Information in this response re: monitoring of the correct power input by the wattmeter and additional references noting acceptance of the related topical reports, is now adequately addressed by revised Section 6.2.5.2.1 and the References for Section 6.2.5. The remainder of the response in (2) & (3) was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information in the response will not need to be incorporated into the updated FSAR text. Change Request Number : SA-92-117.1 Commitment Register Number : Related SER : 6.2.4 SSER :22 6.2.4 SER/SSER Impact : No</p>
Q&R 032-110	4	<p>Adds note indicating that the response to the NRC question would not be incorporated into the FSAR</p>

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text.

Q&R Incorporation :

The N-16 power measurement system is unique to CPSES. At the time it was first introduced the NRC had no experience with the design and requested detailed (but now historical) information as to its equivalence to other measuring systems. Since that time, the system has been accepted by the NRC and has been demonstrated to be acceptable in actual plant operations. The level of detail in the response is beyond the level that is appropriate for an FSAR description of the system.

Change Request Number : SA-92-123.

Commitment Register Number :

Related SER : 7.7 SSER :

SER/SSER Impact : No

Q&R 032-157 1

4

Relocates a part of the response to Q032.107 into the updated FSAR and adds a note indicating that the remaining part of the response would not be incorporated.

Q&R Incorporation :

NRC question Q032.107 addressed a concern raised by IE Information Notice 79-22, regarding the environmental qualification of certain non-safety grade equipment subjected to a high energy line break that could impact the performance of safety grade equipment. In the response to this question TU Electric evaluated specific scenerios and concluded that the subject equipment (SG PORV control system, excore detectors, pressurizer PORV control system, and the feedwater control system) were susceptible to the postulated HELB environmental failure. As a result TU Electric upgraded the systems to be environmentally qualified for the postulated environment. The commitment to to environmentally qualify (or relocate out of the environment) is incorporated into the updated FSAR. General information related to the postulation of environmental conditions and interaction of HELBs with equipment can be found in FSAR Section 3.6B. Information related to the performance of the Environmental Qualification Program can be found in FSAR Section 3.11N and 3.11B. FSAR Section 3.11 and Appendix 3A at one time also contained detailed information related to component qualification such as provided in this response. However, in Amendment 7B, detailed information regarding specific component qualification was removed from the FSAR, and instead referenced controlled documents such as Design Basis Documents (DBDs) and Environmental Equipment Qualification Summary Packages (EEQSPs). The NRC reviewed the removal of this information

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from the FSAR in SSER 22 and found it to be acceptable. The information related to the qualification of components addressed in this response is contained in those documents. Therefore, it is not appropriate to add the detailed portion of this response into the updated FSAR.

Change Request Number : SA-92-132.
Commitment Register Number :
Related SER : 3.11 SSER :22 3.11
SER/SSER Impact : No

Q&R 032-162

4

See Sheet No(s) :163 thru 167
Deletes response to Q032.108 and replaces it with a reference to the section where the information is relocated.

Q&R Incorporation :

This information is being relocated to the FSAR text as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e).

Change Request Number : SA-92-133.
Commitment Register Number :
Related SER : 7.6 SSER :
SER/SSER Impact : No

Q&R Table 032.108-1

4

Deletes Table 032.108-1.

Q&R Incorporation :

Table 032-108-1 has been relocated to Table 7.6-1 as part of the process of converting the FSAR into an "updated FSAR" per 10CFR50.71(e).

Change Request Number : SA-92-133.
Commitment Register Number :
Related SER : 7.6 SSER :
SER/SSER Impact : No

Q&R Table 032.108-6

4

Deletes Table 032.108-6.

Q&R Incorporation :

Table 032.108-6 has been relocated to Table 7.6-2 as part of the process of converting the FSAR to an "updated FSAR" per 10CFR50.71(e).

Change Request Number : SA-92-133.
Commitment Register Number :
Related SER : 7.6 SSER :
SER/SSER Impact : No

Q&R Table 032.108-7

4

Deletes Table 032.108-7.

Q&R Incorporation :

Table 032.108-7 has been relocated to Table 7.6-3 as part of the process to convert the FSAR to an "updated FSAR" per 10CFR50.71(e).

Change Request Number : SA-92-133.
Commitment Register Number :
Related SER : 7.6 SSER :
SER/SSER Impact : No

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Q&R Table 032.108-8	4	<p>Deletes Table 032.108-8.</p> <p>Q&R Incorporation : Table 032.108-8 has been relocated to Table 7.6-4 as part of the process to convert the FSAR to an "updated FSAR" per 10CFR50.71(e).</p> <p>Change Request Number : SA-92-133. Commitment Register Number : Related SER : 7.6 SSER : SER/SSER Impact : No</p>
Q&R Table 032.108-9	4	<p>Deletes Table 032.108-9.</p> <p>Q&R Incorporation : Table 032.108-9 is relocated to Table 7.6-5 as part of the process to convert the FSAR to the "updated FSAR" per 10CFR50.71(e).</p> <p>Change Request Number : SA-92-133. Commitment Register Number : Related SER : 7.6 SSER : SER/SSER Impact : No</p>
Q&R Table 032.108-14	4	<p>Deletes Table 032.108-14.</p> <p>Q&R Incorporation : Table 032.108-14 is relocated to Table 7.6-6 as part of the process to convert the FSAR to an "updated FSAR" per 10CFR50.71(e).</p> <p>Change Request Number : SA-92-133. Commitment Register Number : Related SER : 7.6 SSER : SER/SSER Impact : No</p>
Q&R Figure 032.96-1	4	<p>Deletes Figure 032.96-1.</p> <p>Q&R Incorporation : See justification provided for page 032-110.</p> <p>Change Request Number : SA-92-123. Commitment Register Number : Related SER : 7.7 SSER : SER/SSER Impact : No</p>
Q&R 040-23	4	<p>See Sheet No(s) :24</p> <p>Replaces a portion of the response to Q040.13, concerning electric penetration assembly design and its compliance with Reg. Guide 1.63 and IEEE 279, with a reference to FSAR Section 8.3.1.2.1.6, and adds a note stating that the remaining information will not be incorporated into the updated FSAR text. Also adds appropriate Q&R margin notations to identify location of Q&R incorporation.</p> <p>Q&R Incorporation : This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. Information in the first two sentences of the first paragraph and the first</p>

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sentence of the second paragraph of this response is adequately incorporated in FSAR Section 8.3.1.2.1.6. Additional parts of the response to Q040.13 is incorporated in Section 8.3.1.2.1.6 to allow these parts of this response to be replaced with a reference to this Section. Information in this response, concerning electric penetration assembly design and its compliance with Reg. Guide 1.63 and IEEE 279, is now adequately addressed in Section 8.3.1.2.1.6. The remainder of the response was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information in the response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-141.1
Commitment Register Number : RE-0224
Related SER : 8.4 SSER :22 8.4
SER/SSER Impact : No

Q&R 040-64a

4

Adds a note stating that information in the response to Q040.41 will not be incorporated into the updated FSAR text, and for information on equipment qualification, see Environmental Equipment Qualification Summary Packages which are referenced in FSAR Section 3.11B. Also adds appropriate Q&R margin notation to identify location of Q&R-related information.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. The response to Q040.41 provided detailed equipment qualification information based on the initial environmental and seismic qualification plans submitted to the NRC in 1978. Currently, detailed and updated equipment qualification and seismic analysis documentation is maintained in controlled documents (Environmental Equipment Qualification Packages, DEDs, etc.), and not in the FSAR (per changes made in FSAR Amendment 78). Location of such information is provided in FSAR Section 3.11B. Thus, the information in this response will not need to be incorporated into the updated FSAR text, and a reference to FSAR Section 3.11B is added. The disposition of this response in preparation for the updated FSAR adequately addresses the location of the subject matter.

Change Request Number : SA-92-153.1
Commitment Register Number :
Related SER : 3.11 SSER :6 3.11.3.3
SER/SSER Impact : No

Q&R 040-89

4

Replaces response to Q040.59 with a reference to

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		<p>FSAR Section 8.3.1.1.8. Also transfers a margin notation for "Q040.110" from the Q&R response to an appropriate location within FSAR text.</p> <p>Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR.</p> <p>Change Request Number : SA-92-161.2 Commitment Register Number : Related SER : 8.3.1 SSER :22 8.3.1 SER/SSER Impact : No</p>
Q&R 040-97	4	<p>Adds a note to the response to Q040.67, concerning the applicability of, and compliance with, BTP RSB 5-1, stating that this information will not be incorporated into the updated FSAR, and for further information see Appendix 5A.</p> <p>Q&R Incorporation : This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. This response was a point-in-time response, clarifying TU Electric's position on the extent of applicability of BTP RSB 5-1 to CPSES as a Class 2 plant, and is beyond the level of detail which is appropriate for the FSAR. Thus, the information in this response will not need to be incorporated into the updated FSAR text.</p> <p>Change Request Number : SA-92-163.1 Commitment Register Number : Related SER : 5.4.3 SSER :22 5.4.3 SER/SSER Impact : No</p>
Q&R 040-155	4	<p>See Sheet No(s) :156 thru 158 Incorporate responses to NRC questions into the FSAR training section 13.2.</p> <p>Q&R Incorporation : The referenced Q&R deals with CPSES as a near term operating plant (NTOL). The subsequent training program accreditation and operating license provisions are more restrictive, therefore, the referenced response is generic and the prescriptive commitment requirements are embedded within the current training program contents.</p> <p>Change Request Number : SA-93-103.7 Commitment Register Number : Related SER : SSER : SER/SSER Impact : No</p>
Q&R 040-161	4	<p>Adds a note stating that information in the response to Q040.119 will not be incorporated into the updated FSAR text, and for the most current information on circuit protection, see FSAR Section 8.3.1.2.1.6. Also adds appropriate Q&R margin notations to identify location of Q&R related</p>

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information.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. The response to Q040.119 provided information on circuit protection which has either been significantly revised within the FSAR, is too detailed, or provided a point-in-time response to facilitate the staff's review of this issue. FSAR Amendments 66 & 68 revised Section 8.3.1.2.1.6 and deleted Figures 8.3-19 & 8.3-20 from the FSAR. See LDCR SA-88-045 (TUS-88132) in particular. The information currently contained within FSAR Section 8.3.1.2.1.6 is the most up-to-date, and it is therefore inappropriate to replace this information with that from the Q&R response. The first sentence in the first paragraph as well as the entirety of the second paragraph of the response were point-in-time replies, re: applicability of Reg. Guide 1.63, designed to facilitate the staff's review, and are beyond the level of detail which is appropriate for the FSAR. Thus, the information in this response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-183.1
Commitment Register Number :
Related SER : 8.4 SSER :22 8.4
SER/SSER Impact : No

Q&R 121-15

4

Adds a note to the response to Q121.9, concerning preservice and inservice inspection plans, stating that this information will not be incorporated into the updated FSAR text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. This response contains specific submittal information on the preservice inspection plan, which was a point-in-time response to facilitate the staff's review and is beyond the level of detail appropriate for the FSAR. It also contains a commitment to submit an inservice inspection plan (the commitment also appears in FSAR Section 6.6.5); the inservice inspection plan for both units has been submitted via TXX-90543 & TXX-93344. Thus, information in this response need not be incorporated into the updated FSAR text. Section 6.6.5 is being updated to reflect the submittal of the inservice inspection plan for each unit.

Change Request Number : SA-92-307.1
Commitment Register Number : X1-0901
Related SER : 5.2.4 SSER : 6.6
SER/SSER Impact : No

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Q&R 121-29	4	<p>Replaces response to Q121.15 with a reference to FSAR Section 5.3.1.5.</p> <p>Q&R Incorporation :</p> <p>Q&R relocation is being performed to prepare the FSAR for the USAR.</p> <p>Change Request Number : SA-92-313.1</p> <p>Commitment Register Number :</p> <p>Related SER : 5.3.1 SSER :25 5.3.1</p> <p>SER/SSER Impact : No</p>
Q&R 121-31	4	<p>Replaces a portion of the response to Q121.17, concerning WCAP-10527 & WCAP-10528, with references to FSAR Section 3.6B.2.1.1, the listing of references at the end of Section 3.6B, and Table 1.6-1. Adds a note to this response stating that the remaining information will not be incorporated into the updated FSAR text. Also adds an appropriate Q&R margin notation to identify location of incorporation.</p> <p>Q&R Incorporation :</p> <p>This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. Information on, and reference to, WCAP-10527 & WCAP-10528 is already adequately addressed within FSAR text. The remaining, unincorporated portions of this response contain outdated information on Westinghouse Topical Reports MT-SME-3135 & MT-SME-3136; these reports were superceded by WCAP-10527 & WCAP-10528. Thus, it is inappropriate to incorporate the remainder into the updated FSAR text.</p> <p>Change Request Number : SA-92-315.1</p> <p>Commitment Register Number :</p> <p>Related SER : 3.6 SSER :22 3.6</p> <p>SER/SSER Impact : No</p>
Q&R 121-32	4	<p>Replaces a portion of the response to Q121.18, concerning WCAP-10527 & WCAP-10528, with references to FSAR Section 3.6B.2.1.1, the listing of references at the end of Section 3.6B, and Table 1.6-1. Adds a note to these responses stating that the remaining information will not be incorporated into the updated FSAR text. Also adds an appropriate Q&R margin notation to identify location of incorporation.</p> <p>Q&R Incorporation :</p> <p>This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. Information on, and reference to, WCAP-10527 & WCAP-10528 is already adequately addressed within FSAR text. The remaining, unincorporated portions of this response</p>

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contain outdated information on Westinghouse Topical Reports MT-SME-3135 & MT-SME-3136; these reports were superceded by WCAP-10527 & WCAP-10528. Thus, it is inappropriate to incorporate the remainder into the updated FSAR text.

Change Request Number : SA-92-315.2
Commitment Register Number :
Related SER : 3.6 SSER :22 3.6
SER/SSER Impact : No

Q&R 121-33

- 4 Replaces a portion of the response to Q121.19, concerning WCAP-10527 & WCAP-10528, with references to FSAR Section 3.6B.2.1.1, the listing of references at the end of Section 3.6B, and Table 1.6-1. Adds a note to these responses stating that the remaining information will not be incorporated into the updated FSAR text. Also adds an appropriate Q&R margin notation to identify location of Q&R incorporation.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. Information on, and reference to, WCAP-10527 & WCAP-10528 is already adequately addressed within FSAR text. The remaining, unincorporated portions of this response contain outdated information on Westinghouse Topical Reports MT-SME-3135 & MT-SME-3136; these reports were superceded by WCAP-10527 & WCAP-10528. Thus, it is inappropriate to incorporate the remainder into the updated FSAR text.

Change Request Number : SA-92-315.3
Commitment Register Number :
Related SER : 3.6 SSER :22 3.6
SER/SSER Impact : No

Q&R 121-34

- 4 Replaces a portion of the response to Q121.20, concerning WCAP-10527 & WCAP-10528, with references to FSAR Section 3.6B.2.1.1, the listing of references at the end of Section 3.6B, and Table 1.6-1. Adds a note to these responses stating that the remaining information will not be incorporated into the updated FSAR text. Also adds an appropriate Q&R margin notation to identify location of incorporation.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. Information on, and reference to, WCAP-10527 & WCAP-10528 is already adequately addressed within FSAR text. The remaining, unincorporated portions of this response contain outdated information on Westinghouse Topical

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Reports MT-SME-3135 & MT-SME-3136; these reports were superceded by WCAP-10527 & WCAP-10528. Thus, it is inappropriate to incorporate the remainder into the updated FSAR text.

Change Request Number : SA-92-315.4
Commitment Register Number :
Related SER : 3.6 SSER :22 3.6
SER/SSER Impact : No

Q&R 121-35

4

See Sheet No(s) :36

Replaces a portion of the response to Q121.21, concerning WCAP-10527 & WCAP-10528, with references to FSAR Section 3.6B.2.1.1, the listing of references at the end of Section 3.6B, and Table 1.6-1. Adds a note to these responses stating that the remaining information will not be incorporated into the updated FSAR text. Also adds an appropriate Q&R margin notation to identify location of incorporation.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. Information on, and reference to, WCAP-10527 & WCAP-10528 is already adequately addressed within FSAR text. The remaining, unincorporated portions of this response contain outdated information on Westinghouse Topical Reports MT-SME-3135 & MT-SME-3136; these reports were superceded by WCAP-10527 & WCAP-10528. Thus, it is inappropriate to incorporate the remainder into the updated FSAR text.

Change Request Number : SA-92-315.5
Commitment Register Number :
Related SER : 3.6 SSER :22 3.6
SER/SSER Impact : No

Q&R 123-2

4

Replaces response to Q123.2 with a reference to FSAR Section 5.2.3.3.1.

Q&R Incorporation :

Q&R relocation is being performed to prepare the FSAR for the USAR.

Change Request Number : SA-92-323.1
Commitment Register Number :
Related SER : 5.2.3 SSER :
SER/SSER Impact : No

Q&R 123-6

4

Replaces response to Q123.4, concerning reactor vessel surveillance programs for Unit 1 and Unit 2, with a reference to FSAR Section 5.3.1.6.

Q&R Incorporation :

Q&R relocation is being performed to prepare the FSAR for the USAR.

Change Request Number : SA-92-325.1

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	Commitment Register Number : Related SER : 5.3.1 SSER :25 5.3.1 SER/SSER Impact : No
Q&R 123-15	4 Adds a note to the response to Q123.10 stating that the information in the response will not be incorporated into the updated FSAR text. Q&R Incorporation : This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. TXX-3319 dated 5/18/81 was a point-in-time response providing NRC staff with detailed information on the fracture toughness of materials of the reactor containment pressure boundary. Information contained within this letter facilitated the staff's review, but is beyond the level of detail which is appropriate for the FSAR. Thus, this docketed information will not need to be incorporated into the updated FSAR text. Change Request Number : SA-92-329.1 Commitment Register Number : Related SER : 5.2 SSER : SER/SSER Impact : No
Q&R 150-1	4 See Sheet No(s) :2 Replaces the response to Question Q150.1 with a note to see Sections 3.7N, 3.7B, 3.7B.2, 3.7B.3, 3.9N, 3.9B, 3.10N and 3.10B. Q&R Incorporation : This is an editorial change to this response in preparation for deletion of the Q&R Section when the Updated FSAR (USAR) is prepared. The information requested by this question, which concerned the CPSES qualification program for seismic and dynamic loads, is adequately addressed by information presented within the referenced Sections. Thus, the response may be replaced with a note to refer to those Sections. Change Request Number : SA-92-359.1 Commitment Register Number : Related SER : 3.10 SSER :24 3.10 SER/SSER Impact : No
Q&R 150-3	4 Replaces the response to Question 150.2 with a note to see Tables 3.9N-10, 3.9B-10 and 17A-1. Q&R Incorporation : This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. This question requested a list of all safety related structures, systems and components. Table 17A-1 provides a list of all quality related systems, structures and components, which encompasses those which are safety

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related. Table 3.9N-9 provides specific details on active pumps and Tables 3.9N-10 and 3.9B-10 provide specific details on active valves. The portion of the response concerning additional information that is maintained in the Master Equipment List, seismic equipment qualification summary packages and in drawings in the CPSES Document Control Center was intended as a point-in-time response to facilitate the staff's review and site visit of the NRC Seismic Qualification Review Team which was planned to occur at that time. Thus, the response may be replaced with a note to refer to the above referenced Tables.

Change Request Number : SA-92-360.1
Commitment Register Number :
Related SER : 3.10 SSER :24 3.10
SER/SSER Impact : No

Q&R 150-6

- 4 Adds a note to the response to Question 150.3 stating that the information in this response will not be incorporated into the updated FSAR (USAR) text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information provided in the answer to this question was a point-in-time response in order to facilitate the staff's review and site visit of the Seismic Qualification Review Team (SQRT) which was planned to occur at that time. The information requested by the question, in large part, involved specific seismic equipment qualification details that are maintained on site in the Seismic Qualification Summary Packages and are referenced in the Master Equipment List. It is beyond the level of detail which is appropriate for the FSAR. SSER 24, Section 3.10 states that the detailed SQRT audit of equipment installations and seismic qualification assumptions, calculations, tests, analysis methods and procedures concluded that the implementation of applicable criteria and the CPSES Seismic Qualification program for Category I equipment is acceptable. Thus, the information in this response will not need to be incorporated into the updated FSAR (USAR) text.

Change Request Number : SA-92-361.1
Commitment Register Number :
Related SER : 3.10 SSER :24 3.10
SER/SSER Impact : No

Q&R 150-8

- 4 Replaces the response to Question Q150.5 with a note to see Section 3.9B.2 and Table 14.2-2, Sheet 57.

Q&R Incorporation :

This is an editorial change to this response in

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preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information provided in this response is adequately addressed by information presented within Section 3.9B.2 and Table 14.2-2, Sheet 57. Thus, the response may be replaced with a note to refer to this Section and Table.

Change Request Number : SA-92-363.1
Commitment Register Number :
Related SER : 3.10 SSER :24 3.10
SER/SSER Impact : No

Q&R 150-9

- 4 Adds a note to the response to Question 150.6 stating that the information in this response will not be incorporated into the updated FSAR (USAR) text.

Q&R Incorporation :
See the justification provided for Change Request Number SA-92-361.1.
Change Request Number : SA-92-361.2
Commitment Register Number :
Related SER : 3.10 SSER :24 3.10
SER/SSER Impact : No

Q&R 212-21

- 4 Replaces response to Q212.14, concerning backpressure at safety valves, with a reference to FSAR Section 5.4.11.3.

Q&R Incorporation :
Q&R relocation is being performed to prepare the FSAR for the USAR.
Change Request Number : SA-92-373.1
Commitment Register Number :
Related SER : 5.4.4 SSER :
SER/SSER Impact : No

Q&R 212-37

- 4 Replaces response with a note to see FSAR Section 5.2.5.6 and Technical Specification Section 4.4.5.1.

Q&R Incorporation :
This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information requested by this question, which concerns the provisions for testing operability and calibration of leakage detection equipment, is adequately addressed by information presented within the respective Sections of the FSAR and Technical Specifications referenced. Thus, the response may be replaced with a note to refer to those Sections.
Change Request Number : SA-92-378.1
Commitment Register Number :
Related SER : 5.2.5 SSER :25 5.2.5
SER/SSER Impact : No

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Q&R 212-38	4	<p>Replaces response to Question 212.23 with a note to see relevant subsections of Sections 5.2.5 and 5.4.1.3.</p> <p>Q&R Incorporation :</p> <p>This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information in this response, which concerns the capabilities of monitoring identified and controlled leakage rates, is adequately addressed by information presented within subsections of Sections 5.2.5 and 5.4.1.3. Thus, the response may be replaced with a note to refer to these Sections.</p> <p>Change Request Number : SA-92-379.1 Commitment Register Number : Related SER : 5.2.5 SSER :25 5.2.5 SER/SSER Impact : No</p>
Q&R 212-83	4	<p>See Sheet No(s) :84 thru 87 Deletes response to Q212.45 and replaces it with references to where the information is already located in the FSAR text.</p> <p>Q&R Incorporation :</p> <p>The information in this response is of a very general nature discussing the basic descriptions and functions of the component cooling water system, station service water system and standby power system and how those systems support ECCS equipment. This information is now replaced with references to locations in the FSAR text where that information already exists. This incorporation of NRC questions is part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e).</p> <p>Change Request Number : SA-92-396. Commitment Register Number : Related SER : 6.3 SSER : SER/SSER Impact : No</p>
Q&R 212-89	4	<p>Replaces a portion of the response to Q212.47, concerning inclusion of specified maximum required NPSH within ECCS pump specifications, with a reference to FSAR Section 6.3.2.2.10; adds appropriate FSAR references for information concerning NPSH calculations and compliance with Reg. Guide 1.1; and, adds a note stating that the remaining information will not be incorporated into the updated FSAR text. Also adds appropriate Q&R margin notations to identify location of Q&R incorporation.</p> <p>Q&R Incorporation :</p> <p>This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. A portion of the response</p>

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	<p>is incorporated into FSAR Section 6.3.2.2.10 to allow part of the response to be replaced with a reference to this Section. The addition of appropriate related references is an editorial enhancement for completeness. The remaining information was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information in this response will not need to be incorporated into the updated FSAR text.</p> <p>Change Request Number : SA-92-398.1 Commitment Register Number : Related SER : 6.3 SSER : SER/SSER Impact : No</p>
Q&R 212-92	<p>4 Replaces response to Q212.49 with references to revised FSAR Sections 6.3.2.1 and 6.3.2.2.10, and Notes to Figure 6.3-2 (Sheets 5 through 8). Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR.</p> <p>Change Request Number : SA-92-400.1 Commitment Register Number : Related SER : 6.3.2 SSER : SER/SSER Impact : No</p>
Q&R 212-104	<p>4 Replaces response to Q212.56, concerning the "hammer blow" feature which is provided on ECCS motor operated valves, with a reference to FSAR Section 6.3.2.2.9.1. Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR.</p> <p>Change Request Number : SA-92-407.1 Commitment Register Number : Related SER : 6.3.2 SSER : SER/SSER Impact : No</p>
Q&R 212-105	<p>4 Replaces response to Q212.57, concerning provisions for maintenance of ECCS components outside containment during recovery from a LOCA, with references to FSAR Sections 6.3.2 and 6.3.2.5.1. Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR.</p> <p>Change Request Number : SA-92-408.1 Commitment Register Number : Related SER : 6.3.2 SSER : SER/SSER Impact : No</p>
Q&R 212-108	<p>4 Deletes response to Q&R 212.060 and references the FSAR text section where the response may be found.</p>

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	<p>Also adds Q&R margin notations in the appropriate section to identify location.</p> <p>Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR.</p> <p>Change Request Number : SA-92-411. Commitment Register Number : Related SER : 6.3 SSER : SER/SSER Impact : No</p>
Q&R 212-139	<p>4 Deletes the response to Q212.75 and replaces it with a references to FSAR text where the information is already located or has been relocated.</p> <p>Q&R Incorporation : This information is being relocated to the FSAR text (or references added to show where information is already located) as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e).</p> <p>Change Request Number : SA-92-26. Commitment Register Number : Related SER : 15.2 SSER : SER/SSER Impact : No</p>
Q&R 212-150	<p>4 Replaces the response to Q212.85 with a note to see FSAR Section 3.5.1.2.1. Adds appropriate Q&R margin notations to identify location of Q&R incorporation.</p> <p>Q&R Incorporation : This is an editorial change in preparation for the USAR.</p> <p>Change Request Number : SA-92-52.1 Commitment Register Number : Related SER : 3.5.1 SSER :01 3.5.1 SER/SSER Impact : No</p>
Q&R 212-211	<p>4 Replaces response to Q212.138 with references to Appendices 1A(B) and 5A. Adds appropriate Q&R margin notations to identify location of incorporation.</p> <p>Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR.</p> <p>Change Request Number : SA-92-205.1 Commitment Register Number : X1-0956 Related SER : 5.4.3 SSER :22 5.4.3 SER/SSER Impact : No</p>
Q&R 212-215	<p>4 Adds note indicating that the response to the NRC question Q212.142 would not be incorporated into the updated FSAR text.</p> <p>Q&R Incorporation : The information in this response provides a range of auxiliary feedwater temperatures used in accident</p>

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	<p>analyses. As pointed out in the response, auxiliary feedwater temperature does not have a significant effect on the results of accident analyses and is thus considered to be below the level of detail appropriate for incorporation into the updated FSAR.</p> <p>Change Request Number : SA-92-208. Commitment Register Number : Related SER : 10.4 SSER : SER/SSER Impact : No</p>
Q&R 212-223	<p>4 Adds note indicating that the response to NRC question Q212.145 will not be incorporated into the updated FSAR text.</p> <p>Q&R Incorporation :</p> <p>The question indicates that the reactor coolant pump locked rotor analysis and reactor coolant pump sheared shaft analysis should be performed assuming a turbine trip coincident with a loss of offsite power. The response provides the basis for not assuming a loss of offsite power in the analyses. The response provides only negative information (i.e., why some thing is not done) and is not appropriate for inclusion into the FSAR (which generally describes what is done).</p> <p>Change Request Number : SA-92-211. Commitment Register Number : Related SER : 15.3 SSER : SER/SSER Impact : No</p>
Q&R 220-1	<p>4 See Sheet No(s) :2</p> <p>Revises the response to NRC question Q220.1 to refer to section 4.4.6.4 containing the response.</p> <p>Update :</p> <p>Response is relocated to the FSAR text section in preparation for deletion of Q & R section when USAR is issued.</p> <p>Change Request Number : SA-92-212.1 Commitment Register Number : Related SER : 5.4.5 SSER : SER/SSER Impact : No</p>
Q&R 221-1	<p>4 Revises the response to NRC question Q221.1 to refer to FSAR text section containing the response.</p> <p>Update :</p> <p>The FSAR text section already contains the response to the NRC question.</p> <p>Change Request Number : SA-92-213.1 Commitment Register Number : Related SER : 4.4 SSER :26 4.4 SER/SSER Impact : No</p>
Q&R 221-2	<p>4 Replaces response to Question Q221.2 with a note to see Sections 4.4.4.5 and 4.4.4.7.</p>

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Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. This response indicates that the information on thermal-hydraulic design codes is located in Chapter 4 of the FSAR. Thus, this response can be replaced with a note to refer to those specific Sections in Chapter 4 where this information can be found.

Change Request Number : SA-92-214.1
Commitment Register Number :
Related SER : 4.4.2 SSER :
SER/SSER Impact : No

Q&R 221-7

4

See Sheet No(s) :8

Replaces the response to Question Q221.5 with a note to see revised Section 4.4.4.5.2.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. Section 4.4.4.5.2 has been revised in order to allow this response to be replaced with a reference to see that Section. The information in this response, which involves the effect of the core exit pressure condition on DNBR, is now adequately addressed by the revised Section 4.4.4.5.2 along with information contained in Reference 18 (which is referred to in the sentence added to this Section).

Change Request Number : SA-92-216.1
Commitment Register Number :
Related SER : 4.4.2 SSER :
SER/SSER Impact : No

Q&R 221-10

4

Revises the response to NRC question Q221.6 to refer to the FSAR text section containing the response.

Update :

The response is relocated to the FSAR section 5.1 .

Change Request Number : SA-92-217.1
Commitment Register Number :
Related SER : 5.0 SSER :26 5.2
SER/SSER Impact : No

Q&R 222-12

4

Adds statement indicating response to Q222.8 would not be incorporated into the FSAR text.

Q&R Incorporation :

At the time NRC question Q223.8 was issued, the NRC was in the process of generically reviewing the Westinghouse LOFTAN computer code. The code was subsequently approved by the NRC. The information provided in response to this question is beyond the level of detail provided in the FSAR for computer codes. Also the question is no longer relevant

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since the code has since been approved. Therefore it is not necessary to incorporate the response into the FSAR as part of the "updated FSAR".

Change Request Number : SA-92-223.
Commitment Register Number :
Related SER : 15.2 SSER :
SER/SSER Impact : No

Q&R 222-17

4

Adds a note to the response to Question Q222.9 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. This was a point-in-time response indicating that the information requested by this question is not supplied by Westinghouse on any docket, although available for audit by the staff. Thus, the information will not need to be incorporated into the updated FSAR.

Change Request Number : SA-92-224.1
Commitment Register Number :
Related SER : SSER :
SER/SSER Impact : No

Q&R 231-3

4

Replaces response to Q231.3 with a note to see FSAR Section 4.2.3.3. Also adds appropriate Q&R margin notations to identify location of incorporation within FSAR text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information in this response, concerning fuel rod internal pressure criterion, is a summary of information now contained within FSAR Section 4.2.3.3. Thus, the information in the response may be replaced with a note to refer to this Section. In addition, the topical report referenced (WCAP-8720) is listed in FSAR Table 1.6-1, and NRC approval of the fuel rod model contained within the report is contained in Supplemental SER #3.

Change Request Number : SA-92-228.
Commitment Register Number :
Related SER : 4.2 SSER :3 4.2.2
SER/SSER Impact : No

Q&R 231-5

4

Adds a note to the response to Q231.4 stating that the information in the response will not be incorporated into the updated FSAR text. Also, adds references to FSAR Sections 3.9N.2.5 & Figures 3.9N-12 & -13 where information supporting an updated

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analysis may be found.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. The response to Q231.4 and Figure 231.4-1 were superceded by information incorporated into FSAR Section 3.9N.2.5 and Figures 3.9N-12 & -13 via Amendment 20. Amendment 20 added updated information to the Section & Figures concerning transverse loading on the upper core components as the fluid exits the hot leg model, and referenced approved WCAP-8708. The outdated information in the Q&R response need not be incorporated into the updated FSAR.

Change Request Number : SA-92-229.1

Commitment Register Number :

Related SER : 3.9 SSER :23 3.9

SER/SSER Impact : No

Q&R 231-7

- 4 Adds a note to the response to Question Q231.5 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text.

Q&R Incorporation :

This is an editorial change to this response in preparation for the deletion of the Q&R Section when the updated Safety Analysis Report (USAR) is prepared. This question requested information on plans for a surveillance program if B4C absorber rods are utilized at CPSES. However, as noted in FSAR Section 4.2.1.6.2 (as revised by Amendment 84) and Section 5.3.2 of the Technical Specifications, CPSES presently utilizes silver-indium-cadmium type control rods. Thus, incorporation of information into the FSAR text that concerns an alternate absorber rod material which is not being utilized or presently licensed by the Technical Specifications is not necessary.

Change Request Number : SA-92-234.1

Commitment Register Number :

Related SER : 4.2.1 SSER :26 4.2.1

SER/SSER Impact : No

Q&R 231-10

- 4 Replaces response to Question Q231.8 with a note to see Section 4.4.2.2.5.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. Since Amendment 84 added updated information to FSAR Section 4.4.2.2.5 concerning the generic margin in DNB analysis which offsets fuel rod bow penalties, the response to Q&R 231.8 (which concerned rod bow penalties) may be

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		replaced with a note to see FSAR Section 4.4.2.2.5. Change Request Number : SA-92-232.1 Commitment Register Number : Related SER : 4.2.3 SSER :23 4.2.3 SER/SSER Impact : No
Q&R Figure 231.4-1	4	Deletes Figure 231.4-1 in support of the note added to the response to Q231.4 stating that the information in the response will not be incorporated into the updated FSAR text. Q&R Incorporation : See Description for p. Q&R 231-4. Change Request Number : SA-92-229.2 Commitment Register Number : Related SER : 3.9 SSER :23 3.9 SER/SSER Impact : No
Q&R 232-4	4	Deletes response to Q232.4 and replaces it with a reference to where the information is already located in the FSAR text. Q&R Incorporation : The information contained in this response is already contained in the referenced FSAR section. These changes are being made as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e). Change Request Number : SA-92-274. Commitment Register Number : Related SER : 7.7 SSER : SER/SSER Impact : No
Q&R 232-7	4	Adds a note to the response to Q232.7 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text. Q&R Incorporation : This is an editorial change to this response in preparation for the deletion of the Q&R Section when the updated Safety Analysis Report (USAR) is prepared. This question requested an estimate of the uncertainty in the calculation of the flux at the inner boundary of the pressure vessel, and the manner in which the azimuthal peaking factor was obtained. The response provided was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is practical for inclusion in the FSAR. Thus, incorporation of this information into the FSAR text is not necessary. Change Request Number : SA-92-245. Commitment Register Number : Related SER : SSER : SER/SSER Impact : No
Q&R 233-2	4	Incorporate responses to NRC questions into the FSAR

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training section 13.2.

Q&R Incorporation :

The referenced Q&R deals with CPSES as a near term operating plant (NTOL). The prescriptive requirements for preop testing of the LPMS has been completed per the CPSES Startup Report (TXX-93325). The training on LPMS is embedded in the accredited systems approach to training process described in FSAR section 13.2.

Change Request Number : 3A-93-103.8

Commitment Register Number :

Related SER : SSER :

SER/SSER Impact : No

Q&R 233-5

4

Deletes response to Q233.4 and replaces it with a reference to where the information has been relocated in the FSAR text.

Q&R Incorporation :

This information is being relocated to the FSAR text as part of the process to convert the FSAR into an "updated FSAR" as required by 10CFR50.71(e).

Change Request Number : SA-92-253.

Commitment Register Number :

Related SER : SSER :

SER/SSER Impact : No

Q&R 281-1

4

See Sheet No(s) :02

Replaces response to Q281.1, concerning protective coating systems, with references to FSAR Sections 6.1B.2, 6.2.2.3.3, 6.2.5A.2, 9.5.1.5.3, Appendix 1A(B) and Table 17A-1. Also adds appropriate Q&R margin notations to identify location of incorporation.

Q&R Incorporation :

Q&R relocation is being performed to prepare the FSAR for the USAR.

Change Request Number : SA-92-257.1

Commitment Register Number :

Related SER : 6.1.2 SSER :09 APP M

SER/SSER Impact : No

Q&R 312-6

4

See Sheet No(s) :7

Replaces part of response to Q312.6, concerning loads and loading combinations, including tornado missiles, for the condensate, the reactor makeup water and the refueling water storage tanks, with a reference to FSAR Section 3.8.4.3, and adds a note stating that the remaining information will not be incorporated into the updated FSAR text. Also adds an appropriate Q&R margin notation to identify the location of incorporation.

Q&R Incorporation :

This is an editorial change to this response in

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preparation for deletion of the Q&R Section when the updated FSAR is prepared. Part of the response to Q312.6, concerning loads and loading combinations, including tornado missiles, for the condensate, the reactor makeup water and the refueling water storage tanks, is already adequately addressed in FSAR Section 3.8.4.3 and may be replaced with a reference to this Section. The remaining information was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-268.1
Commitment Register Number :
Related SER : 3.8 SSER :22 3.8
SER/SSER Impact : No

Q&R 312-8

3

Changes the response to refer to FSAR section being revised to incorporate the response as applicable. Deletes the portion of the response pertaining to toxic gas conditions which no longer applies.

Correction :

This change is made in preparation for deletion of Q&R from the USAR. Part of the response with respect to toxic gas conditions is not incorporated due to analysis of potential offsite chlorine hazards and deletion of onsite chlorine use in the circulating water system as documented in FSAR Amendment 76 and in SSER 22.

Change Request Number : SA-92-269.2
Commitment Register Number : EF-0027-004
Related SER : 6.4 SSER :22 6.4
SER/SSER Impact : No

Q&R 312-23

3

See Sheet No(s) :24
Deletes the response to Q312.21 and replaces it with a reference in the FSAR text where the information is located.

Q&R Incorporation :

The information related to this response can be found in FSAR Section 15.6.5.4.6. That section was revised in Amendment 87 based on a Unit 2 reanalysis of this event. That analysis demonstrated that the previous FSAR description (based only on Unit 1) was overly conservative. The description was revised to make the Unit 1 analysis consistent with the analysis performed for Unit 2. The reference to the Unit 1 assumed release rate (38.1 seconds based on a 3" line break) was replaced with a general reference to a spectrum of analyzed breaks. This is because the Unit 2 analysis found a 2" break to be limiting. Thus the portion of the response to Q312.21

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	<p>discussing release time is expanded to include Unit 2 by reference to Table 15.6-1 which provides small break LOCA trip signal times for the spectrum of breaks analyzed.</p> <p>Change Request Number : SA-92-242. Commitment Register Number : Related SER : 15.6 SSER : SER/SSER Impact : No</p>
Q&R 312-27	<p>4 Replaces response to Q312.24, concerning location of Control Room outside air inlets and ventilation discharge stacks, with references to FSAR Section 6.4.2.2, and Figures 1.2-2 and 6.4-3. Adds appropriate Q&R margin notation to identify prior location of Q&R 312.9 incorporation.</p> <p>Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR. Q&R margin notation replacement is made to correct an inadvertent editorial error made in a prior FSAR Amendment.</p> <p>Change Request Number : SA-92-275.1 Commitment Register Number : Related SER : 6.4 SSER : SER/SSER Impact : No</p>
Q&R 320-6	<p>4 Changes the response to NRC question Q320.5 to refer to the FSAR text section 11.5.2.5.5 which is being revised to incorporate the response.</p> <p>Update : This change is made in preparation for deletion of Q&R from the USAR.</p> <p>Change Request Number : SA-92-279.1 Commitment Register Number : Related SER : 11.3 SSER :22 11.3 SER/SSER Impact : No</p>
Q&R 320-11	<p>4 Replaces a portion of the response to Q320.9, concerning catalyst used in the design of recombiners, with a reference to FSAR Section 11.3.2.1, and adds a note to the response stating that the remaining information will not be incorporated into the updated FSAR text. Also, adds appropriate Q&R margin notations to identify location of Q&R incorporation.</p> <p>Q&R Incorporation : This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. Information in the third and fourth paragraphs comprising the response to Q320.9 is adequately addressed in FSAR Section 11.3.2.1. The remainder of the response was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is</p>

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	<p>appropriate for the FSAR. Thus, the remaining information in this response will not need to be incorporated into the updated FSAR text.</p> <p>Change Request Number : SA-92-280.1 Commitment Register Number : Related SER : 11.3 SSER : SER/SSER Impact : No</p>
Q&R 331-23	<p>4 Changes the response to NRC question Q331.13 to reference FSAR text section.</p> <p>Update :</p> <p>FSAR section 12.5.1 already contains the response to the NRC question.</p> <p>Change Request Number : SA-92-288.1 Commitment Register Number : Related SER : 12.5 SSER : SER/SSER Impact : No</p>
Q&R 331-26	<p>4 Replaces response to Question Q331.16 with a note to see Sections 12.5.1, 13.4.1.1.1 and Figure 13.1-3.</p> <p>Q&R Incorporation :</p> <p>This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information in this response, concerning the position of Radiation Protection Manager, is adequately addressed by information in the referenced Sections and Figure. The independence of the Chemistry and Radiation Protection groups can be seen in the referenced Figure. Thus, the information in the response may be replaced with a note to refer to these Sections and Figure.</p> <p>Change Request Number : SA-92-415.1 Commitment Register Number : Related SER : 13.1 SSER : 27 13.1.2 SER/SSER Impact : No</p>
Q&R 361-13	<p>4 Corrects the Q&R number referenced in the response.</p> <p>Editorial :</p> <p>Provides an correction of an editorial mistake on the Q&R number referenced in the response. This response was previously updated in Amendment 87 in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared.</p> <p>Change Request Number : SA-92-434. Commitment Register Number : Related SER : 2.1.2 SSER : SER/SSER Impact : No</p>
Q&R 361-18	<p>4 Adds a note to the response to Question Q361.18 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text.</p>

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Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. This question requested an interpretation of specific geological subsurface structural information depicted in Figure 2.5.1-30. Since the time that this question was asked, a number of the area geological subsurface structure maps in the FSAR were revised (and several added) based on additional data which was not available for the initial filing of the FSAR. The text in Section 2.5.1.2.4 was also revised by several amendments. The existing text provides a thorough discussion and interpretation of information depicted on structure maps in Figures 2.5.1-23, 23A, 24, 24A, 26, 28, 30, 31, 32, 34, and 35, and describes how some of the Figures interrelate (the response to Q361.18 noted that Figure 2.5.1-28 must also be examined to address the question on Figure 2.5.1-30). Since the information in this response would not materially further enhance the content of the text in Section 2.5.1.2.4, the information will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-430.1
Commitment Register Number :
Related SER : 2.5.1 SSER :22 2.5.1
SER/SSER Impact : No

Q&R 361-19

4

Adds a note to the response to Question Q361.19 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. This question requested an interpretation of specific geological subsurface structural information depicted on Figure 2.5.1-30. See justification provided for Q&R 361-18.

Change Request Number : SA-92-430.2
Commitment Register Number :
Related SER : 2.5.1 SSER :22 2.5.1
SER/SSER Impact : No

Q&R 361-20

4

Adds a note to the response to Question Q361.20 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the

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updated FSAR (USAR) is prepared. This question requested an interpretation of specific geological subsurface structural information depicted in Figure 2.5.1-24. Since the time that this question was asked, a number of the area geological subsurface structure maps in the FSAR were revised (and several added) based on additional data which was not available for the initial filing of the FSAR. The text in Section 2.5.1.2.4 was also revised by several amendments. The existing text provides a thorough discussion and interpretation of information depicted on structure maps in Figures 2.5.1-23, 23A, 24, 24A, 26, 28, 30, 31, 32, 34, and 35, and describes how some of these Figures interrelate. Since the information in this response would not materially further enhance the content of the text in Section 2.5.1.2.4, the information will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-430.3
Commitment Register Number :
Related SER : 2.5.1 SSER :22 2.5.1
SER/SSER Impact : No

Q&R 361-23

- 4 Adds a note to the response to Question Q361.23 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) text is prepared. Although the response to this question provides slightly more detail (than existing FSAR text) as to why the hydrocarbon production within the 5 mile radius of the site is from stratigraphic versus structural traps, the conclusion is contained in, and adequately supported by, information presented within Section 2.5.1.2.6, Subsection 3.1.2.2 and the Figures referenced therein. Incorporation of the information in this response would not materially enhance the content of the text in this Section. Therefore, the response does not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-434.1
Commitment Register Number :
Related SER : 2.5.1 SSER :
SER/SSER Impact : No

Q&R 361-28

- 4 Adds a note to the response to Question 361.27 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text.

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Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. Question 361.27 requested specific interpretive information on the geological subsurface structure characteristics depicted in Figure 2.5.1-28. The response, in effect, described why the existing information and interpretations provided in the FSAR text (Section 2.5.1) and the associated Figures referenced therein are acceptable. The information in the response was provided to facilitate the review of existing information in Section 2.5.1 and would not materially enhance the existing FSAR text if incorporated. Thus, it does not need to be incorporated into the updated FSAR.

Change Request Number : SA-92-436.1
Commitment Register Number :
Related SER : 2.5.1 SSER :22 2.5.1
SER/SSER Impact : No

Q&R 361-31

4

Adds the following note after the response to Question Q361.29: "The information in this response will not be incorporated into the updated FSAR (USAR) text. Refer to Section 2.5.1.1.4, Subsection 2.1 - Gravity Survey for additional information."

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. This question requested that CPSES consider the feasibility of revising land gravity data in Figure 2.5.1-8 and associated text information, based on NOAA gravity data that was obtained by the Defense Mapping Agency. The response provided the justification as to why the NOAA data, which had not been reduced or contoured, and was at a lower spacing density than the data utilized by CPSES, would not enhance the existing gravity data or structural interpretations provided in the FSAR. Thus, the information in this response will not need to be incorporated into the updated FSAR.

Change Request Number : SA-92-438.1
Commitment Register Number :
Related SER : 2.5.1 SSER :23 2.5.1
SER/SSER Impact : No

Q&R 362-12

4

Replaces response to Question Q362.12 with a note to see Section 2.5.4.10.2.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. The information in this

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response, which addressed the swell potential of claystone beds in the area of Category I piping and associated excavation requirements, is adequately addressed by information presented within Section 2.5.4.10.2. Thus, the response may be replaced with a note to refer to this Section.

Change Request Number : SA-92-443.1
Commitment Register Number :
Related SER : 2.5.4.3 SSER :1 2.5.4.3
SER/SSER Impact : No

Q&R 362-13

4

See Sheet No(s) :14

Replaces the response to Question 362.13 with a note to see Sections 2.5.4.5, 2.5.4.7 and 2.5.4.8.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information in this response, which concerned the geological characteristics of the plant foundation and backfill materials, is adequately addressed by information presented within these subsections of Section 2.5.4, Stability of Subsurface Materials & Foundations. Thus, the response may be replaced with a note to refer to these subsections of the FSAR text.

Change Request Number : SA-92-444.1
Commitment Register Number :
Related SER : 2.5.4 SSER :22 2.5.4
SER/SSER Impact : No

Q&R 362-16

4

Adds a note to the response to Question Q362.15 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. This question requested information on what documentation was available to verify that grouting operations were appropriately performed. The response identified the applicable documentation and provided a very brief general statement on grouting. The response is considered to be historical information that was provided in the course of the staff's review which would not materially enhance the content of the FSAR text if incorporated.

Change Request Number : SA-92-445.1
Commitment Register Number :
Related SER : SSER :
SER/SSER Impact : No

Q&R 362-18

4

Replaces the response to Question 362.17 with a note

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to see Section 2.5.6.4.4.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. This question requested an explanation of Figure 2.5.6-20, which is part of a series (Figures 2.5.6-18 through 24) that depicts the results of field observations and compaction tests for the SSI Dam test embankment as discussed in Section 2.5.6.4.4. This Section adequately describes the steps which were involved in the construction and testing of the test embankment and discusses the results obtained. The text in this Section, combined with the axis and curve notations provided in Figures 2.5.6-18 through 24, provides an adequate explanation as to the development and meaning of these Figures. Thus, the response may be replaced with a note to refer to Section 2.5.6.4.4.

Change Request Number : SA-92-446.1
Commitment Register Number :
Related SER : 2.5.6.5 SSER :
SER/SSER Impact : No

Q&R 371-3

4

Adds a note to the response to Q371.3 stating that the information in the response will not be incorporated into the Updated FSAR (USAR) text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R section when the Updated FSAR (USAR) is prepared. This was a point in time response which proved to the reviewer that his concern was adequately addressed by the data provided in the FSAR. Therefore this information will not need to be incorporated into the USAR.

Change Request Number : SA-92-450.1
Commitment Register Number :
Related SER : SSER :
SER/SSER Impact : No

Q&R 371-7

4

Adds note to the response to Q371.4 stating that the information in the response will not be incorporated into the updated FSAR text.

Q&R Incorporation :

This is an editorial change to this response in preparation for the deletion of the Q&R Section when the updated FSAR is prepared. The information provided in the response to Q371.4 concerned specific questions designed to support TU Electric's position that the service spillway would not fail during a Probable Maximum Flood. Most of the information provided in this response was transmitted to the staff by TXX-2941 dated 1/31/79

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	<p>in the form of drawings. This response was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Thus, the information in this response will not need to be incorporated into the updated FSAR text.</p> <p>Change Request Number : SA-92-451. Commitment Register Number : Related SER : 2.5 SSER :22 2.5 SER/SSER Impact : No</p>
Q&R 371-8	<p>4 See Sheet No(s) :9 Replaces a portion of the response to Q371.5 concerning a description of the emergency spillway design and its capability to handle a Probable Maximum Flood discharge with a reference to FSAR Section 2.4.8.2.1. Adds a note stating that the remaining information will not be incorporated into the updated FSAR text.</p> <p>Q&R Incorporation : This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. Q371.5 response (2) through (5) are incorporated in FSAR Section 2.4.8.2.1 to allow these portions of the response to be replaced with a reference to this Section. (1) and (6) of the response were a point-in-time response to facilitate the staff's review, and are beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information in this response will not need to be incorporated into the updated FSAR text.</p> <p>Change Request Number : SA-92-452.1 Commitment Register Number : Related SER : 2.4 SSER :22 2.4 SER/SSER Impact : No</p>
Q&R 371-10	<p>4 Deletes response to Q371.006 and references FSAR Section 2.4.8.2.2 where the response can be found. Also adds an appropriate Q&R margin notation to identify location of incorporation.</p> <p>Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR.</p> <p>Change Request Number : SA-92-453.1 Commitment Register Number : Related SER : 2.4 SSER :22 2.4 SER/SSER Impact : No</p>
Q&R 371-13	<p>4 See Sheet No(s) :14 Replaces responses to Questions (1) thru (7), (10), (11) & (14) with a note indicating the appropriate FSAR section reference(s). Replaces responses to</p>

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Questions (8) & (9) with a note stating that the responses, as incorporated into the FSAR text, have been superceded. And, replaces a portion of the response to Questions (12) & (13) with a note which indicates the appropriate FSAR section references, and states that the remaining information will not be incorporated into the updated FSAR (USAR) text.

Q&R Incorporation :

The concern of Questions (1) thru (7), (10), (11) & (14) are adequately addressed by the information presented within the referenced FSAR sections. Thus, these responses may be replaced with notes to refer to this information. The responses to Questions (8) & (9) were incorporated into FSAR Section 2.4.8.2.2 in Amendment 4, and the specific information provided was superceded by a reference to a document containing this information in Amendment 26. Therefore, these responses may be replaced with a note explaining that the information has been superceded, along with a reference to the appropriate FSAR section. With regard to the response to Questions (12) & (13), the portions of the response concerning the blockage and reinstallation of the piezometer in Boring P-9 and the piezometer level as measured by Boring P-10 are adequately addressed by the referenced FSAR sections. Thus, those portions of the response may be replaced with a note to refer to those sections. The remaining information provided in the answer to this question was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Therefore, this information will not need to be incorporated into the updated FSAR (USAR) text.

Change Request Number : SA-92-454.

Commitment Register Number :

Related SER : 2.4 SSER :22 2.4

SER/SSER Impact : No

Q&R 371-18

4

Adds a note to the response to Q371.11 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. This question requested the basis for a statement made in FSAR Section 2.4.13.3.3 concerning the conservativeness of the porosity level provided. Since the time that this question was asked, a revised analysis was incorporated into the FSAR text. This revised analysis incorporated information provided in response to Q371.14; the FSAR text was revised in

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Amendment 9. The existing text provides a thorough discussion of the "Selection of Parameters" used. Since the information in the response to Q371.11 would not materially enhance, or be appropriate to, the content of the text in Section 2.4.13.3.3, the information will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-457.
Commitment Register Number :
Related SER : 2.4 SSEK :22 2.4
SER/SSER Impact : No

Q&R 371-19

- 4 Replaces response to Q371.12 with a note to see (1) revised FSAR Sections 2.4.13.1.5 & 3.8.5.1.5 re: expected maximum elevation of groundwater; (2) revised Section 2.4.13.1.3 re: permeability of the Glen Rose Formation; (3) revised Section 2.5.4.14 re: excavation and backfilling of the plant site; and, (4) Sections 2.5.4.13 and 2.4.13.1.5 re: an established field monitoring program for groundwater conditions. Also, adds appropriate Q&R margin notations to identify the location of response incorporation within the FSAR.

Q&R Incorporation :
Q&R relocation is being performed to prepare the FSAR for the USAR.
Change Request Number : SA-92-458.1
Commitment Register Number :
Related SER : 2.5 SSER :22 2.5
SER/SSER Impact : No

Q&R 371-25

- 4 Replaces portions of Q371.17 response concerning (1) wind speed used for a Probable Maximum Hurricane, (2) probable maximum winds, and (3) wind speed used in certain analyses with references to FSAR Sections 2.3.1.2.2 (as revised), 2.4.5.1, and 2.4.8.2.2, respectively. Adds a note stating that the remaining information will not be incorporated into the updated FSAR text. Also, adds appropriate Q&R margin notations to identify specific locations of Q&R incorporation.

Q&R Incorporation :
This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. (1) The part of the Q371.17 response concerning probable maximum winds is adequately addressed in FSAR Section 2.4.5.1; Section 2.4, Reference 23 contains the information presented in the response for this area. (2) The part of the Q371.17 response concerning wind speed used in analyses was incorporated into FSAR Section 2.4.8.2.2 in Amendment 14; the context of the incorporation, not the specific words from the

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Q371.17 response, was revised in Amendment 26. Even as revised, this part of the response is adequately addressed in FSAR Section 2.4.8.2.2. (3) The part of the Q371.17 response, re: wind speed used for a Probable Maximum Hurricane is incorporated by reference in FSAR Sections 2.3.1.2.2 to allow this portion of the response to be replaced with a reference to this Section.

The remaining information in the response is included in specific references which have already been added to these FSAR Sections, and is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information in this response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-459.1
Commitment Register Number :
Related SER : 2.4 SSER :22 2.4
SER/SSER Impact : No

Q&R 371-26

- 4 Adds a note to the response to Q371.18 stating that the information in this response will not be incorporated into the updated FSAR text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. The information provided in the response to Q371.18 concerns the basis for determination of an adequate stilling basin design and variables used in the momentum equation. This response was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Thus, the information in this response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-460.
Commitment Register Number :
Related SER : 2.5 SSER :22 2.5
SER/SSER Impact : No

Q&R Figure 371-4

- 4 Deletes Figure 371.4 in support of the note added to the response to Q371.4 stating that the information in the response will not be incorporated into the updated FSAR text.

Q&R Incorporation :

See Description for p. Q&R 371-7.

Change Request Number : SA-92-451.
Commitment Register Number :
Related SER : 2.5 SSER :22 2.5
SER/SSER Impact : No

Q&R 372-6

- 4 Replaces response to Q372.6 with references to revised FSAR Section 9.3.4.1.2.3 and Table 9.4-2,

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and FSAR Section 9.3.4.1.3.7 and Table 9.4-1 (unrevised). Also adds appropriate Q&R margin notations to identify location of Q&R incorporation.
Q&R Incorporation :

Q&R relocation is being performed to prepare the FSAR for the USAR. Note that reference to 12% boric acid solution lines is not incorporated, since these lines are no longer used.

Change Request Number : SA-92-462.1
Commitment Register Number :
Related SER : 9.4 SSER :22 9.4
SER/SSER Impact : No

Q&R 372-10

- 4 Replaces response to Q372.10, concerning Reg. Guide 1.23 criteria for averaging wind, temperature and humidity data, with a reference to FSAR Section 2.3.3.1.1. Also adds appropriate Q&R margin notations to identify location of incorporation.

Q&R Incorporation :

Q&R relocation is being performed to prepare the FSAR for the USAR.

Change Request Number : SA-92-464.1
Commitment Register Number :
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-11a

- 4 Adds a note to the response to Q372.11, regarding the fraction of meteorological data recorded digitally that were lost and supplemented by strip chart records over a 4-year period, stating that this historical information will not be incorporated into the updated FSAR text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. This response contains historical information (5/72-5/76) which was assembled to support a point-in-time response to facilitate the staff's review and is beyond the level of detail which is appropriate for the FSAR. Thus, the information in this response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-464.2
Commitment Register Number :
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-12

- 4 Replaces a portion of the response to Q372.12, concerning semi-annual calibration of meteorological station components, with a reference to FSAR Section 2.3.3.1.2. Adds a note stating that the remaining information will not be incorporated into the updated FSAR text.

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Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. A portion of the response to Q372.12 is incorporated in FSAR Section 2.3.3.1.2 to allow this part of the response to be replaced with a reference to this Section. The remaining information in the response is specific, historical information (checking, reading and adjusting equipment), which provided a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information in this response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-466.1
Commitment Register Number : X1-0971
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-13

- 4 Replaces response to Q372.13 with a reference to FSAR Table 2.3-34A.

Q&R Incorporation :

Q&R relocation is being performed in preparation for the USAR.

Change Request Number : SA-92-467.1
Commitment Register Number :
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-15

- 4 Adds a note to the response to Q372.15, regarding Table 372.15-1, stating that this historical information will not be incorporated into the updated FSAR text.

Q&R Incorporation :

This is an editorial change to this response in preparation for the deletion of the Q&R Section when the updated FSAR is prepared. This response refers to a table which contains historical information assembled to support a point-in-time response to facilitate the staff's review. The information in this table is beyond the level of detail which is appropriate for the FSAR. Thus, the information in this response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-466.2
Commitment Register Number :
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-29

- 4 Replaces response to Q372.21 with a reference to FSAR Section 2.3.1.2.5 and Table 2.3-2A, where the response can be found.

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	Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR. Change Request Number : SA-92-563.1 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
Q&R 372-30	4 Replaces the response to Question Q372.22 with a note to see FSAR Section 3.3. Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR. Change Request Number : SA-92-473.1 Commitment Register Number : Related SER : 3.3 SSER :23 3.3 SER/SSER Impact : No
Q&R 372-31	4 Deletes response to Q&R 372.23 and references the FSAR section where the response may be found. Also adds Q&R margin notations in the appropriate section to identify location. Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR. Change Request Number : SA-92-474. Commitment Register Number : Related SER : 9.4 SSER : SER/SSER Impact : No
Q&R 372-32	4 See Sheet No(s) :33 & 34 Replaces response to Q372.24 with a reference to revised FSAR Section 2.3.2.2.2. Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR. Change Request Number : SA-92-475.1 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No
Q&R 372-35	4 See Sheet No(s) :36 Replaces a portion of the response to Q372.25, concerning the representativeness of the Dallas National Weather Service (NWS) station data used for estimating occurrences of natural fog at the CPSES site, with a reference to FSAR Section 2.3.2.2.2.2. Adds a note stating that the remaining information will not be incorporated into the updated FSAR text. Q&R Incorporation : This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. A portion of this

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response is incorporated into FSAR Section 2.3.2.2.2.2 to allow part of the response to be replaced with a reference to this Section. The remaining information is contained within a reference already provided at the end of Section 2.3, and is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information in this response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-476.1
Commitment Register Number :
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-37

4 See Sheet No(s) :38

Replaces a portion of the response to Q372.26, concerning a comparison of analog and digital hourly average values, with a reference to FSAR Section 2.3.3.1.1, and adds a note stating that the remaining information will not be incorporated into the updated FSAR text. Also adds appropriate Q&R margin notations to identify location of incorporation.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. A portion of the response is incorporated into FSAR Section 2.3.3.1.1 to allow this portion of the response to be replaced with a reference to this Section. The remaining information was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information in this response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-464.3
Commitment Register Number :
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-39

4 See Sheet No(s) :41

Replaces a portion of the response to Q372.27, concerning normal maintenance and inspection of the meteorological system, with a reference to FSAR Section 2.3.3.1.2. Adds a note stating that the remaining information will not be incorporated into the updated FSAR text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. A portion of the response is incorporated into FSAR Section 2.3.3.1.2 to allow

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this part of the response to be replaced with a reference to this Section. The remaining information contains specific, historical information (equipment adjustments made during maintenance and qualification of personnel performing these adjustments from 5/72 to 12/77), which provided a point-in-time response to facilitate the staff's review. This information is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information in this response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-466.4
Commitment Register Number : OP-0169
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-42

4

See Sheet No(s) :43 & 44
Replaces response to Q372.28, concerning calculation of delta temperature accuracy and the degree of accuracy for delta temperature and wind speed, with a reference to revised FSAR Tables 2.3-34A and 2.3-34B.

Q&R Incorporation :

Q&R relocation is being performed to prepare the FSAR for the USAR.

Change Request Number : SA-92-479.1
Commitment Register Number :
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-45

4

See Sheet No(s) :46 & 47
Replaces a portion of Q372.29 response, concerning substitution of secondary delta-T measurements during periods when primary delta-T measurements were invalid, with a reference to FSAR Section 2.3.2.1.3, and adds a note stating that the remaining information will not be incorporated into the updated FSAR text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. A portion of the response is incorporated into FSAR Section 2.3.2.1.3 to allow part of the response to be replaced with a reference to this Section. The remaining information was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-480.1
Commitment Register Number :

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(as amended)

Group Description

Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-48

4

Replaces part of the response to Question 372.30 with a note to see FSAR Section 2.3.3.2, and adds a note stating that the remaining information will not be incorporated into the updated FSAR (USAR) text. Also, corrects a typographical error made to a section reference within the response.

Q&R Incorporation :

This is an editorial change in preparation for the deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The additional information requested by Question 372.30, concerning level of measurement and display of meteorological parameters in the Control Room, was incorporated into FSAR Section 2.3.3.2 in Amendment 4, and significantly revised in FSAR Amendments 47, 72 & 83. (References within the response to FSAR Section 2.3.3.3 are typographical errors, and should have read "2.3.3.2".) Currently, the question is adequately addressed by information presented within FSAR Section 2.3.3.2. Thus, the response may be replaced with a note to refer to this section. The remaining information provided in answer to Q372.30 was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is practical for inclusion in the FSAR. Therefore, this portion of the response will not need to be incorporated into the updated FSAR (USAR) text.

Change Request Number : SA-92-481.
Commitment Register Number : NL-0141
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-49

4

Replaces a portion of the response to Q372.31, concerning (1) the maximum seasonal snowfall in Fort Worth, (2) equivalent weight of design load (8-inch maximum uniform depth of water) on safety-related buildings, & (3) the form of the Probable Maximum Winter Precipitation (PMWP), with a reference to FSAR Section 2.3.1.2.8. Adds a note stating that the remaining information will not be incorporated into the updated FSAR text. Also adds appropriate Q&R margin notations to identify location of Q&R incorporation.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. Information in the first two sentences of the response, re: estimated weight of 100-year return period snowpack and estimation of 48-hour PMWP, is adequately addressed in FSAR

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Section 2.3.1.2.8. A portion of the response to Q372.31 is incorporated into FSAR Section 2.3.1.2.8 to allow this part of the response to be replaced with a reference to FSAR Section 2.3.1.2.8. The remaining information was a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information in this response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-482.1
Commitment Register Number :
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-51

4

Replaces a portion of the response to Q372.33, concerning measures to ensure acceptable data recovery of the precipitation measurements for the operational program, with a reference to FSAR Section 2.3.3.2, and adds a note stating that the remaining information will not be incorporated into the updated FSAR text. Also adds appropriate Q&R margin notations to identify location of Q&R incorporation.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR is prepared. A portion of the response is incorporated into FSAR Section 2.3.3.2 to allow this part of the response to be replaced with a reference to this Section. The remaining information is historical information which provided a point-in-time response to facilitate the staff's review, and is beyond the level of detail which is appropriate for the FSAR. Thus, the remaining information in this response will not need to be incorporated into the updated FSAR text.

Change Request Number : SA-92-484.1
Commitment Register Number :
Related SER : 2.3 SSER :22 2.3
SER/SSER Impact : No

Q&R 372-52

4

Replaces response to Question Q372.34 with a note to see Section 2.3.2.1.9 and Tables 2.3-25 and 2.3-27, Sheet 26.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information provided in this response, which concerned the representativeness of onsite meteorological data, is adequately addressed by information presented within the Section and Tables referenced. Thus, the

Prefix Page (as amended)	Group Description
	<p>response may be replaced with a note to refer to that information.</p> <p>Change Request Number : SA-92-485.1 Commitment Register Number : Related SER : 2.3.3 SSER :22 2.3.3 SER/SSER Impact : No</p>
Q&R 372-53	<p>4 Replaces response to Q372.35 with references to revised FSAR Sections 2.3.2.2.2 and 2.3.2.2.3.</p> <p>Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR.</p> <p>Change Request Number : SA-92-475.2 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No</p>
Q&R 372-54	<p>4 See Sheet No(s) :55 & 56</p> <p>Deletes response to Q372.36, and references FSAR Sections 2.3.2.2, 2.3.3.2, References for Section 2.3, and Appendix 1A(B). Also adds appropriate Q&R margin notations to identify locations of incorporation.</p> <p>Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR.</p> <p>Change Request Number : SA-92-487.1 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No</p>
Q&R 372-57	<p>4 Deletes response to Q372.37 and references FSAR Section 2.3.3.2 where the response can be found. Also adds appropriate Q&R margin notations to identify location.</p> <p>Q&R Incorporation : Q&R relocation is being performed to prepare the FSAR for the USAR.</p> <p>Change Request Number : SA-92-488.1 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No</p>
Q&R 372-59	<p>4 Replaces response to Q372.38 with a reference to the location of the required information within the FSAR text (Section 2.3.3.2).</p> <p>Q&R Incorporation : Preparation for the required Updated Safety Analysis Report (USAR).</p> <p>Change Request Number : SA-92-488.2 Commitment Register Number : Related SER : 2.3 SSER :22 2.3 SER/SSER Impact : No</p>

Prefix Page (as amended)		Group Description
Q&R Table 372-25	4	<p>This table is part of the response found in Q&R 372.26. (Though numbered within the Q&R Section as T372.25, it is not related to the response found in Q&R 372.25; it is referenced in, and contains information related to, the response to Q&R 372.26.) As part of the incorporation of the Q372.26 response into the FSAR, this Table is being deleted and the information relocated from the Q&R Section and added as new Table 2.3-35 (Sheets 1 and 2).</p> <p>Q&R Incorporation :</p> <p>Relocation of a portion of Q372.26 response as a new FSAR table in preparation for the USAR.</p> <p>Change Request Number : SA-92-464.4</p> <p>Commitment Register Number :</p> <p>Related SER : 2.3 SSER :22 2.3</p> <p>SER/SSER Impact : No</p>
Q&R Table 372-13-1	4	<p>Replaces table with a note indicating that this page has been intentionally left blank.</p> <p>Q&R Incorporation :</p> <p>Q&R relocation is being performed in preparation for the USAR.</p> <p>Change Request Number : SA-92-467.2</p> <p>Commitment Register Number :</p> <p>Related SER : 2.3 SSER :22 2.3</p> <p>SER/SSER Impact : No</p>
Q&R Table 372-15-1	4	<p>Deletes table, re: meteorological instrumentation system outages from 5/72 to 5/78. See note added to Q&R 372.15.</p> <p>Q&R Incorporation :</p> <p>This table served as a point-in-time response to facilitate the staff's review, and contains specific, historical information. This information is beyond the level of detail which is appropriate for the FSAR. Thus, the information will not need to be incorporated into the updated FSAR text.</p> <p>Change Request Number : SA-92-466.3</p> <p>Commitment Register Number :</p> <p>Related SER : 2.3 SSER :22 2.3</p> <p>SER/SSER Impact : No</p>
Q&R 423-2	4	<p>See Sheet No(s) :3 and 4</p> <p>Incorporate test related NRC Q&Rs into text of section 14.2 to be consistent with the final Startup Report submitted to the NRC staff.</p> <p>Q&R Incorporation :</p> <p>With the submittal of the final Startup Report on 09/15/93, all initial startup test activities described in chapter 14 of the FSAR were completed and the related Q&Rs are hereby incorporated into the text of the FSAR for historical reference.</p>

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Change Request Number : SA-92-533.1
Commitment Register Number :
Related SER : 14.1 SSER :23 14.1
SER/SSER Impact : Yes
This incorporation is consistent with the requirements outlined in SER section 14.0 and SSERs 23/24.

Q&R 423-13

- 4 See Sheet No(##) :14, 15 and 16
Incorporate test related NRC Q&Rs into text of section 14.2 to be consistent with the final Startup Report submitted to the NRC staff.

Q&R Incorporation :

With the submittal of the final Startup Report on 09/15/93, all initial startup test activities described in chapter 14 of the FSAR were completed and the related Q&Rs are hereby incorporated into the text of the FSAR for historical reference.

Change Request Number : SA-92-533.2
Commitment Register Number :
Related SER : 14.1 SSER :23 14.1
SER/SSER Impact : Yes

This incorporation is consistent with the requirements outlined in SER section 14.0 and SSERs 23/24.

Q&R 423-18

- 4 This question is no longer applicable and will not be incorporated into the USAR.

Q&R Incorporation :

There never were any exceptions identified for SSC initial testing in response to this question. Therefore, this question is no longer applicable and with the submittal of the CPSES final Startup Report on 09/15/93 to the NRC, there is no need to include this response into the text of the FSAR or the USAR.

Change Request Number : SA-92-533.3
Commitment Register Number :
Related SER : SSER :
SER/SSER Impact : No

Q&R 423-27

- 4 See Sheet No(s) :28 thru 33
Incorporate test related NRC Q&Rs into text of section 14.2 to be consistent with the final Startup Report submitted to the NRC staff.

Q&R Incorporation :

With the submittal of the final Startup Report on 09/15/93, all initial startup test activities described in chapter 14 of the FSAR were completed and the related Q&Rs are hereby incorporated into the text of the FSAR for historical reference.

Change Request Number : SA-92-533.4
Commitment Register Number :
Related SER : 14.1 SSER :23 14.1

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SER/SSER Impact : Yes
This incorporation is consistent with the requirements outlined in SER section 14.0 and SSERs 23/24.

Q&R 423-34

- 4 Adds a note to the response to Q423.13 stating that the information contained in the response will not be incorporated into the FSAR text.

Q&R Incorporation :

This is an editorial change to this response in preparation for deletion of the Q&R Section when the updated FSAR (USAR) is prepared. The information provided in the answer to this question was a point-in-time response to the staff's questions concerning operability of hydraulic and mechanical snubbers. The description of the preoperational inspections is historical and would not be appropriate for relocation to the FSAR text. The information requested by the question, in part, involved specific requirements that are maintained in the augmented inservice inspection program and referenced in Technical Requirements Manual Section 3.0. Refer to the justification for a follow-up question Q423.30 (change request number SA-92-573.1) which requested additional information which concerned nonsafety-related snubbers.

Change Request Number : SA-92-537.1

Commitment Register Number : X1-0838

Related SER : 3.9 SSER :22 3.9

SER/SSER Impact : No

Q&R 423-36

- 4 Revises the response to NRC question Q423.15 to reference the appropriate text section.

Update :

Text section being referenced already contains the response.

Change Request Number : SA-92-539.1

Commitment Register Number :

Related SER : 14.2 SSER :27 14.2

SER/SSER Impact : No

Q&R 423-39

- 4 See Sheet No(s) :40 and 41
Incorporate test related NRC Q&Rs into text of section 14.2 to be consistent with the final Startup Report submitted to the NRC staff.

Q&R Incorporation :

With the submittal of the final Startup Report on 09/15/93, all initial startup test activities described in chapter 14 of the FSAR were completed and the related Q&Rs are hereby incorporated into the text of the FSAR for historical reference.

Change Request Number : SA-92-533.5

Commitment Register Number :

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Q&R Incorporation :

This is an editorial change to this response in preparation for the deletion of the Q&R Section when the updated Safety Analysis Report (USAR) is prepared. This question requested information on the properties of hafnium control rods, which were at one time being considered for utilization at CPSES. However, as noted in FSAR Section 4.2.1.6.2 (as revised by Amendment 84) and Section 5.3.2 of the Technical Specifications, CPSES presently utilizes silver-indium-cadmium type control rods. Thus, incorporation of information into the FSAR text that concerns an alternate absorber rod material which is not being utilized or presently licensed by the Technical Specifications is not necessary.

Change Request Number : SA-92-234.2
Commitment Register Number :
Related SER : 4.2.1 SSER :26 4.2.1
SER/SSER Impact : No

Q&R 491-2

- 4 Adds a note to the response to Question Q490.1 stating that the information in the response will not be incorporated into the updated FSAR (USAR) text.

Q&R Incorporation :

This is an editorial change to this response in preparation for the deletion of the Q&R Section when the updated Safety Analysis Report (USAR) is prepared. This question requested information on the startup testing and surveillance program for hafnium control rods, which at one time were under consideration for utilization at CPSES. However, as noted in FSAR Section 4.2.1.6.2 (as revised by Amendment 84) and Section 5.3.2 of the Technical Specifications, CPSES presently utilizes silver-indium-cadmium type control rods. Thus, incorporation of information into the FSAR text that concerns an alternate absorber rod material which is not being utilized or presently licensed by the Technical Specifications is not necessary.

Change Request Number : SA-92-234.3
Commitment Register Number :
Related SER : 4.2.1 SSER :26 4.2.1
SER/SSER Impact : No