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Ref. # 10CFR50.34(b)

November 30, 1990

William J. Cahill, Jr.
Executive Vice President

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)
DOCKET NOS. 50-445 AND 50-446
FSAR AMENDMENT 80 DESCRIPTION

Gentlemen:

Amendment 80 to the CPSES FSAR was transmitted to you under a separate cover letter TXX-901030, dated November 30, 1990. The attachment to this letter provides line-by-line descriptions of the the changes in Amendment 80. 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.

As has been the TU Electric practice in the past several amendments, all changes described in the attachment have been evaluated for relative significance (i.e., the group number 1, 2, 3 or 4 following each change justification as discussed in TU Electric TXX-88467 dated June 1, 1988). In addition, all changes applicable to CPSES Unit 1 have been reviewed under the TU Electric 10CFR50.59 process and found not to include any "unreviewed safety questions."

Sincerely,

William J. Cahill, Jr.

BSD/bsd
Attachment

c - Mr. R. D. Martin, Region IV
Resident Inspectors, CPSES (3)

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CPSES FSAR AMENDMENT 80
DETAILED DESCRIPTION

FSAR Page
(as amended)

Description

1A(B)-91

Description: (Revision)

Auditing of Quality Assurance Programs Will Comply With
Regulatory Guide 1.144, Revision 1 (9/80)

Justification:

The commitment for auditing QA Programs has been re-
vised. Compliance with Regulatory Guide 1.144, Revi-
sion 1 (9/80), which endorses ANSI N45.2.12-1977, is
now mandatory for Construction and Operation of CPSES.
Previously, the auditing of the QA Programs for Con-
struction and Operation met the requirements of differ-
ent, earlier draft revisions of the ANSI Standard.
Compliance with the same revision of the ANSI Standard
ensures continuity and consistency in the auditing of
Construction and Operation phase QA Programs. This
change does not represent a reduction in commitments in
the QA Program as described in the FSAR.

Group: 2

FSAR Change Request Number: 90-202

Related SER Section: T17.1; SSER17 T17.1

SER/SSER Impact: Yes

The SER discusses compliance with the Regulatory Guide
1.144, Revision 0 and the SER and SSER 17 discuss com-
pliance with ANSI N45.2.12, Revision 2, Draft 4. This
change commits to later revisions of the Regulatory
Guide and ANSI Standard.

2.4-63, 68

Description: (Correction)

Revises design basis groundwater elevations references
in FSAR Section 2.4.13.3 to be consistent with the
revised text for FSAR Section 2.5.4.10.3 previously
submitted in Amendment 79

Justification:

The Service Water Intake Structure has been reanalyzed
using a conservative groundwater elevation of 793 feet.
Section 2.5.4.10.3 was revised in Amendment 79 to
reflect the revised design basis groundwater elevation.
This clarification to Section 2.4.13.3 revises the
the design basis groundwater elevations values for
CPSES to be consistent with other references in the
text.

Group: 3

FSAR Change Request Number: 90-165

Related SER Section: 2.4.6

SER/SSER Impact: Yes

Safety-related structures are conservatively designed
for hydrostatic loads with a design basis groundwater
elevation of 810', except for the SWIS. Hydrostatic
loads on the SWIS are determined with a design basis
groundwater elevation of 793'.

**FSAR Page
(as amended)**

Description

Table 3.2-1

See Sheet No(s):03
Description: (Clarification)
Add Reference
Justification:
Reference to Table 17A-1 has been added to Note 5 for clarification. Table 17A-1 contains specifics and exceptions not necessarily contained in FSAR Section 3.2.
Group: 4
FSAR Change Request Number: 90-078.01
Related SER Section: 3.2
SER/SSER Impact: No

Table 3.2-3

See Sheet No(s):04
Description: (Addition)
Add the chlorination system to the Station Service Water system
Justification:
Add the new chlorination system flow diagram to the list
Group: 2
FSAR Change Request Number: 90-085.2
Related SER Section: 9.2.1; SSER22 9.2.1
SER/SSER Impact: No

Table 3.6B-1

See Sheet No(s):08
Description: (Addition)
Addition of a note to the remarks column for high energy line 3AF-1-78-2002-3.
Justification:
Remarks column note inadvertently not included for this line in a previous amendment. The remarks column note is provided to present the basis for not postulating high energy line breaks due to Turbine Driven Pump Auxiliary Feedwater piping and check valve configuration.
Group: 3
FSAR Change Request Number: 90-138.1
Related SER Section: 3.6.2; SSER6 3.6.2
SER/SSER Impact: No

Table 3.6B-1

See Sheet No(s):54 and 55
Description: (Correction)
Correct high energy line list by removing six pipe lines in the Steam Generator Blowdown System with maximum operating temperatures and pressures that satisfy moderate energy piping classification per Standard Review Plan 3.6.1.
Justification:
Deletion of the subject six Steam Generator Blowdown System lines from the High Energy Line List reconciles the FSAR table with as-built plant design basis documentation that substantiates the classification as

**FSAR Page
(as amended)**

Description

moderate energy piping.

Group: 2

FSAR Change Request Number: 90-138.2

Related SER Section: 3.6.2; SSER6 3.6.2

SER/SSER Impact: No

Figure 3.6B-43

Description: (Revision)

Revise FSAR figure to reflect three new high energy line breaks postulated at the welded attachments in the Steam Generator Blowdown System (BSB-1-060-1302-5) within the Turbine Building.

Justification:

Of the three new postulated high energy line breaks postulated in the Steam Generator Blowdown (SGB) System only one has the potential for affecting a system credited with mitigating the consequences of a high energy line break (HELB). The effected system is only required to mitigate the environmental effects of a break in that system. This new HELB is located in the same area as existing postulated HELB's that have been previously analyzed for HELB effects, so no unacceptable consequences are presented by this new HELB designated 1720C/L. The remaining two new HELB's (i.e. HELB's designated 705C/L and 1696C/L) are located outside of areas containing essential components required for safe shutdown or to perform a safety function.

Group: 3

FSAR Change Request Number: 90-138.5

Related SER Section: 3.6.2; SSER6 3.6.2

SER/SSER Impact: No

Figure 3.6B-48-1, 48-2

See Sheet No(s):49, 52-1, 52-2, 53, 64-1 and 64-2

Description: (Update)

FSAR Stress Node Break Point and Restraint Location figures are updated to reflect consolidation of piping stress problem boundaries.

Justification:

Consolidation of piping stresss problem boundary number designation results in no impact upon CPSES as-built plant design.

Group: 4

FSAR Change Request Number: 90-138.3

Related SER Section: 3.6.2; SSER6 3.6.2

SER/SSER Impact: No

Figure 3.6B-68-1, 68-2

See Sheet No(s):74

Description: (Update)

FSAR Stress Node Break Point and Restraint Location figures are updated to reflect consolidation of piping stress problem boundaries.

Justification:

Consolidation of piping stresss problem boundary number

**FSAR Page
(as amended)**

Description

designation results in no impact upon CPSES as-built plant design.

Group: 4

FSAR Change Request Number: 90-138.4

Related SER Section: 3.6.2; SSER6 3.6.2

SER/SSER Impact: No

Table 3.9N-10

See Sheet No(s):02

Description: (Correction)

Corrections are made to the NSSS Active Valve List to correct a typographical error in designating the valve number 8145 as 8115, the valve's active function to provide a RCS pressure boundary and the valve type is a globe valve consistent with FSAR Table 9.3-9 sheet 25.

Justification:

The correct valve tag number, type and active function are reflected by CPSES design basis documents and consistent with FSAR Figure 9.3-10 sheet 2 and Table 9.3-9 sheet 25.

Group: 4

FSAR Change Request Number: 90-144

Related SER Section: 3.9.3; SSER22 3.10.2

SER/SSER Impact: No

4.2-6

See Page No(s):212-134

Description: (Editorial)

Adds the response to Question 212.70 to the text of Section 4.2.1.3. (The text of the response has been edited for incorporation.)

Justification:

This change is made to ready the Q & R section for deletion when the USAR is prepared.

Group: 4

FSAR Change Request Number: 90-180.2

Related SER Section: 4.2.1

SER/SSER Impact: No

6.3-10

See Page No(s): 212-206, Table 17A-1 (sh 7)

Description: (Editorial)

Changes the description of the head rating for the SI pumps from high head to intermediate head.

Justification:

This change is made to assist in readying the Q&R section for deletion when the USAR is prepared. In addition, it brings the classification into conformance with what is used in other project documents. This is a wording change only; no design change is involved.

Group: 4

FSAR Change Request Number: 90-182.2

Related SER Section: 6.3.2

SER/SSER Impact: No

**FSAR Page
(as amended)**

Description

9.1-24

See Page No(s):010-18

Description: (Update)

Revise the section to incorporate seismic classification of the spent fuel pool cooling and cleanup system.

Justification:

This change is made to incorporate the response to Q&R 010.11 into revised section 9.1.3.2.1, which delineates the seismic classification boundary of the spent fuel pool cooling and cleanup system.

Group: 3

FSAR Change Request Number: 90-195.1

Related SER Section: 9.1.3; SSER22 9.1.3

SER/SSER Impact: No

9.2-4

Description: (Addition)

Add the chlorination system to Station Service Water System

Justification:

Add the new chlorination system to the plant which will inject sodium hypochlorite and sodium bromide for the control of organic fouling of the Station Service Water system.

Group: 2

FSAR Change Request Number: 90-085.1

Related SER Section: 9.2.1; SSER22 9.2.1

SER/SSER Impact: No

9.2-28

Description: (Editorial)

Add the following to complete the sentence:

"preventive maintenance can be conducted as necessary without interruption of the CCWS operation"

Justification:

Complete the sentence for the test and inspection section of the CCWS, which was inadvertently deleted due to the repagination error in FSAR Amendment 78.

Group: 4

FSAR Change Request Number: 90-171

Related SER Section: 9.2.2; SSER22 9.2.2

SER/SSER Impact: No

Figure 9.2-1

See Sheet No(s):01 and 04

Description: (Addition)

Add the new chlorination system to the Station Service Water system

Justification:

Add the chlorination system to the plant which will inject the Sodium Hypochlorite and Sodium Bromide for the control of organic fouling in the Station Service Water system.

Group: 3

FSAR Change Request Number: 90-085.3

**FSAR Page
(as amended)**

Description

Figure 9.2-4A

Related SER Section: 9.2.1; SSER22 9.2.1
SER/SSER Impact: No

See Sheet No(s):02

Description: (Addition)

Add double isolation to the cross-tie between the degasified water clear well and the R. O. system cleaning tank.

Justification:

Double isolation valves capacity is added to the cross-tie to meet the separation criteria for Potable Water system to a contamination source which also meets the requirement of the Texas Department of Health.

Group: 3

FSAR Change Request Number: 90-101

Related SER Section: 9.2.4; SSER22 9.2.4

SER/SSER Impact: No

9.3-2

Description: (Addition)

Add the breathing air requirement to the Instrument Air system.

Justification:

Addition of breathing air requirement to the Instrument Air system is within the design limit of the Instrument Air System, and will not challenge the plant's ability to power operation or safely shutdown with loss of air.

Group: 3

FSAR Change Request Number: 90-193

Related SER Section: 9.3.1; SSER22 9.3.1

SER/SSER Impact: No

Figure 9.3-4

See Sheet No(s):01, 02, 03, and 03A

Description: (Correction)

To show the valve position on sample system flow diagram and delete sample cylinder tag numbers

Justification:

To indicate valve position used for sample system operation, to show equipment as installed and to allow the use of and of the sample cylinders for all of the samples.

Group: 3

FSAR Change Request Number: 90-155.1

Related SER Section: 9.3.2; SSER22 9.3.2

SER/SSER Impact: No

9.4E-2

See Page No(s):010-23

Description: (Update)

Add design and operational requirement of the plant chilled water system, which incorporates Q&R 010.16

Justification:

Incorporate Q&R 010.16 into revised section 9.4E, which include the design and operational requirements of the

**FSAR Page
(as amended)**

Description

plant chilled water system in the event of an seismic event.

Group: 3

FSAR Change Request Number: 90-207.1

Related SER Section: 9.4; SSER22 9.4

SER/SSER Impact: No

Figure 9.5-61

See Sheet No(s):01

Description: (Addition)

Add fire suppression for Material Staging Building.

Justification:

The plant Fire Protection Water Supply System was modified to provide a water source for the fire suppression systems associated with the new Material Staging Building. This modification does not affect the capability of supplying fire protection water to safety-related plant areas.

Group: 2

FSAR Change Request Number: 90-094

Related SSER Section: SSER12 9.5.1

SER/SSER Impact: No

Figure 10.3-1

See Sheet No(s):04

Description: (Addition)

Addition of Equipment Tag Numbers for Feedwater Pump Turbine Stop and Control Valves

Justification:

Tag numbers on major system equipment aids in identification by the operator.

Group: 4

FSAR Change Request Number: 90-194

SER/SSER Impact: No

Figure 10.4-8

See Sheet No(s):01

Description: (Correction)

Remove Check Valve 1C0-0440 and Relief Valve 1AF-0251

Justification:

Check valve 1C0-0440 and relief valve 1AF-0251 were added in an earlier amendment to provide overpressure protection for a portion of the Auxiliary Feedwater System. Leakage through normally closed valve 1C0-0195 was limited by check valve 1C0-0440 and the system was protected by relief valve 1AF-0251. Amendment 78 incorporated an alternate means of protection. If valve 1C0-0196 is normally open, it serves as a path for the leakage through 1C0-0195. The alternate design was prepared before valves 1C0-0440 and 1AF-0251 were physically added. This amendment is consistent with current as-built design.

Group: 3

FSAR Change Request Number: 90-038

SER/SSER Impact: No

**FSAR Page
(as amended)**

Description

Figure 10.4-14

See Sheet No(s):01

Description: (Correction)

Change normal position of valve 1HD-0888 from normally closed to normally open and add valve 1HD-0889 to match the as-built configuration of the Heater Drains System.

Justification:

The Secondary Plant Sampling System is designed to continuously measure parameters in samples from the secondary cycle. The sample line valves, which include 1HD-0888, must be normally open to provide flow. 1HD-0889 is provided for non-continuous sampling of other parameters and is normally closed.

Group: 3

FSAR Change Request Number: 90-147

SER/SSER Impact: No

Figure 10.4-16

See Sheet No(s):01 and 04

Description: (Correction)

Correct the Auxiliary Steam System Configuration to Match the As-Built Design

Justification:

The changes consist of:

1. Addition of blowdown valves for the Auxiliary Steam Header Drip Pot traps. (Sheet 1)
2. Addition of vent and drain valves and relief valve on the Economizer section of the Auxiliary Boiler. (Sheet 4)
3. Clarification of instrument line configuration on the Auxiliary Boiler/Steam Drum. (Sheet 4)
4. Addition of valves and changes to piping configuration on the Auxiliary Boiler burner control system. (Sheet 4)

These changes are all minor. The operation of the Auxiliary Steam System is not affected by any of these changes.

Group: 3

FSAR Change Request Number: 90-142

SER/SSER Impact: No

Table 12.2-26

See Sheet No(s):03

Description: (Correction)

Correct the subtitle on table 12.2-26 from NORMAL OPERATIONS to SHUTDOWN and REFUELING.

Justification:

The isotope inventory listed on the table reflect the airborne concentrations of materials expected during shutdown and refueling operations. This restores the table to its proper title.

Group: 4

**FSAR Page
(as amended)**

Description

- 13.1-8, 9
- FSAR Change Request Number: 90-170
Related SSER Section: SSER22 12.2
SER/SSER Impact: No
- Description: (Update)
Update to reflect the current CPSES organizational structure and management incumbents.
Justification:
Update the CPSES organization to support Unit 1 operation and Unit 2 construction efforts, as well as, to accomodate personnel attrition.
Group: 4
FSAR Change Request Number: 90-157
Related SSER Section: SSER22 13.1
SER/SSER Impact: No
- 13.1A-1
- See Page No(s):15 and 16
Description: (Update)
Update to reflect the current CPSES organizational structure and management incumbents.
Justification:
Update CPSES personnel resumes to accomodate personnel attrition or reassignments.
Group: 4
FSAR Change Request Number: 90-157
Related SSER Section: SSER22 13.1
SER/SSER Impact: No
- Table 14.2-3
- See Sheet No(s):29
Description: (Revision)
Revises T14.2-3, Sheet 29, test prerequisite #4 to delete the requirement that all RCCA's be inserted when the reactor is shutdown prior to initial criticality.
Justification:
The basis for the prerequisite that "the reactor is shutdown prior to initial criticality" is to ensure the reactor leakage is within specification prior to increasing the radioactive content of the coolant by achieving initial criticality. The requirement for the reactor to be shutdown and the requirement for testing prior to criticality is unchanged. The position of the RCCAs has no bearing to the validity of the test results. The position of the RCCA's are controlled by other initial startup procedures and are not necessarily fully inserted. This complies with the Regulatory Guide 1.68 requirement that the sequence of startup tests be ordered so that safety is not dependent on untested structures, systems or components. This change to the initial startup program was previously transmitted to the NRC in TXX-90155 dated April 20, 1990.
Group: 3

**FSAR Page
(as amended)**

Description

- FSAR Change Request Number: 90-160
Related SER Section: 14.0
SER/SSER Impact: No
- 15.1-21 See Page No(s):032-31, 10.2-17
Description: (Editorial)
Adds a portion of the response to Question 032.30 to the text in Section 15.1.5.1.
Justification:
This change is made to assist in readying the Q & R section for deletion when the USAR is prepared.
Group: 4
FSAR Change Request Number: 90-179.2
Related SER Section: 15.3.5
SER/SSER Impact: No
- 15.2-4 See Page No(s):212-199
Description: (Editorial)
Adds a portion of the response to Question 212.127 to the text of Section 15.2.2.1.
Justification:
This change is made to assist in readying the Q & R section for deletion when the USAR is prepared.
Group: 4
FSAR Change Request Number: 90-187.2
Related SER Section: 15.2.2
SER/SSER Impact: No
- 15.2-14 See Page No(s):212-136
Description: (Editorial)
Adds the response to Question 212.72 to the text of Section 15.2.5.
Justification:
This change is made to ready the Q & R section for deletion when the USAR is prepared. (The text of the response has been edited for incorporation.)
Group: 4
FSAR Change Request Number: 90-175.2
Related SER Section: 15.2.2
SER/SSER Impact: No
- 15.2-37 See Page No(s):212-199
Description: (Update)
Changes the identification of Reference 1.
Justification:
This change is made to make the reference cited here consistent with that identified subsequently in the response to Question 212.127. (In that response, Rev. 1 of WCAP-7769 was cited, rather than the original version.)
Group: 3
FSAR Change Request Number: 90-187.3

**FSAR Page
(as amended)**

Description

- Related SER Section: 15.2.2
SER/SSER Impact: No
- 15.3-7 See Page No(s):212-140
Description: (Editorial)
Adds the response to Question 212.76 to the text of Section 15.3.2.1.
Justification:
This change is made to ready the Q & R section for deletion when the USAR is prepared.
Group: 4
FSAR Change Request Number: 90-176.2
Related SER Section: 15.3
SER/SSER Impact: No
- 15.4-12 See Page No(s):232-9
Description: (Editorial)
Adds a portion of the response to Question 232.9 to the text of Section 15.4.2.2.
Justification:
This change is made to assist in readying the Q & R section for deletion when the USAR is prepared.
Group: 4
FSAR Change Request Number: 90-186.2
Related SER Section: 15.3.2
SER/SSER Impact: No
- 15.6-1, 2 See Page No(s):212-143
Description: (Editorial)
Incorporates into FSAR Section 15.6.1.1 the substantive portions of the response to Question 212.79.
Justification:
This change is made to ready the Q & R section for deletion when the USAR is prepared. The first sentence of the response is deleted since designating the accident as "hypothetical" is not relevant to the response. The second sentence is also deleted, except for the specific valve relieving capacities, since the other information is already included in the text of Section 15.6.1.1.
Group: 4
FSAR Change Request Number: 90-177.2
Related SER Section: 15.2.2
SER/SSER Impact: No
- 17.1-10 Description: (Revision)
Remove Reference to ANSI N45.2.12, Draft 3, Rev. 0 and Reference FSAR Appendices 1A(N) and 1A(B).
Justification:
The commitment to R.G. 1.144 which is located in FSAR Appendices 1A(N) and 1A(B) is being revised for compliance with Revision 1 (9/80). Revision 1 endorses ANSI

**FSAR Page
(as amended)**

Description

N45.2.12-1977 which is a later revision than Draft 3, Rev. 0. This section is being revised to remove direct reference to the committed revision and refer to 1A(N) and 1A(B) where the committed revision is directly stated. This change does not represent a reduction in commitments in the QA Program as described in the FSAR.

Group: 2

FSAR Change Request Number: 90-202.1

Related SER Section: T17.1; SSER17 T17.1

SER/SSER Impact: Yes

The SER discusses compliance with Regulatory Guide 1.144, Revision 0 and the SER and SSER 17 discuss compliance with ANSI N45.2.12 Revision 2, Draft 4. The change to 1A(N) and 1A(B) commits to later revisions of the Regulatory Guide and ANSI Standard.

Table 17A-1

See Sheet No(s):07

Description: (Correction)

Correct Safety Class, Applicable Code, Code Class, Seismic Category, and Quality Assurance notes for the Safety Injection System components

Justification:

The valve isolation tanks, expansion joints and piping were declassified to NNS in a previous amendment of the FSAR, as shown on Figure 6.3-1. Table 17A-1 is being changed to agree. Note 57 has been added to indicate that seismic analysis is performed for small bore piping and supports.

Group: 4

FSAR Change Request Number: 90-078.02

SER/SSER Impact: No

Table 17A-1

See Sheet No(s):07 and also see 212-206, 6.3-10

Description: (Editorial)

Changes the description of the head rating for the SI pumps from high head to intermediate head.

Justification:

This change is made to assist in readying the Q&R section for deletion when the USAR is prepared. In addition, it brings the classification into conformance with what is used in other project documents. This is a wording change only; no design change is involved.

Group: 4

FSAR Change Request Number: 90-182.3

Related SER Section: 6.3.2

SER/SSER Impact: No

Table 17A-1

See Sheet No(s):09

Description: (Clarification)

Revise the Seismic Category and Quality Assurance Notes for the Boron Recycle System Evaporator Package components

FSAR Page
(as amended)

Description

Justification:

The Distillate water side and Distillate side of the Evaporator condenser and the Gas side of the Vent Condenser have been changed to Seismic Category NONE. Only their mounting, anchors and supports are Seismic Category II and subject to the Note B Operations QA Program.

Generic Justification:

The purpose of Table 17A-1 is to list items with quality assurance (QA) requirements. Currently, Table 17A-1 may list items as Seismic Category II if any portion of the item meets the criteria of FSAR Section 3.2.1.2. However, without the critical attributes specified, it is not readily apparent for which portions of the item QA is required.

Table 17A-1 is being changed to more clearly specify the critical attributes of Seismic Category II items which are subject to QA requirements. By listing the critical attributes, the Table more accurately reflects how the seismic qualification is maintained. In most cases, the QA requirements are only applicable to anchors and supports. For items where subcomponents or mountings are the only portions that have Seismic Category II QA requirements, "Seismic Category II" has been replaced by "NONE" and the Seismic Category II attributes have been listed in the Notes at the end of Table 17A-1.

Since this change only clarifies which attributes have QA requirements without changing the overall seismic qualification of the item, it does not represent a reduction if the commitments of the QA Program.

Group: 4

FSAR Change Request Number: 90-078.03

SER/SSER Impact: No

Table 17A-1

See Sheet No(s):10 and 11

Description: (Correction)

Correct the Safety Class, Applicable Code, Code Class, Seismic Category, and Quality Assurance notes for the Containment Spray System Components

Justification:

The valve isolation tanks, expansion joints and piping were declassified to NNS in a previous amendment of the FSAR, as shown on Figure 6.2.2-1. Table 17A-1 has been changed to agree. Note 57 has been added to indicate that seismic analysis is performed for small bore piping and supports.

Group: 4

FSAR Change Request Number: 90-078.04

SER/SSER Impact: No

**FSAR Page
(as amended)**

Description

Table 17A-1

See Sheet No(s):11 and 12
Description: (Clarification)
Clarify the Seismic Category and Quality Assurance Notes for the Combustible Gas Control System
Justification:
The exhaust fans and supply blowers for the Hydrogen Purge System have been changed to Seismic Category NONE. Only their mountings, anchors, structural steel and are Seismic Category II per Note 70 and are subject to the Note B Operations QA Program.
See the Generic Justification for Table 17A-1, Sheet 9.
Group: 4
FSAR Change Request Number: 90-078.05
SER/SSER Impact: No

Table 17A-1

See Sheet No(s):11 and 12
Description: (Clarification)
Clarify Seismic Category of Dampers in the Combustible Gas Control Systems
Justification:
Added Note 71 to clarify that HVAC Dampers are Seismic Category NONE. Only their mounting and supports per Note 71 are Seismic Category II and are subject to the Note B Operations QA Program.
See the Generic Justification for Table 17A-1, Sheet 9.
Group: 4
FSAR Change Request Number: 90-078.13
SER/SSER Impact: No

Table 17A-1

See Sheet No(s):12
Description: (Clarification)
Clarify the Applicability of Quality Assurance Requirements for Component Cooling Water System
Justification:
The valves for the Radiation Monitor Sample Lines have been removed from the Table. The valves are Seismic Category NONE and have no QA requirements. Seismic Category II applies only to the piping.
See the Generic Justification for Table 17A-1, Sheet 9.
Group: 4
FSAR Change Request Number: 90-078.06
SER/SSER Impact: No

Table 17A-1

See Sheet No(s):13
Description: (Clarification)
Clarify the Applicable, Code Class, Seismic Category, and Quality Assurance notes for the Service Water System Screen Wash Pumps
Justification:
The Screen Wash Pumps have been changed to Seismic Category NONE. Only their mountings, anchors and supports are Seismic Category II per Note 72 and subject to the

**FSAR Page
(as amended)**

Description

Table 17A-1

Note B Operations QA Program.
See the Generic Justification for Table 17A-1, Sheet 9.
Group: 4
FSAR Change Request Number: 90-078.07
SER/SSER Impact: No

See Sheet No(s):16
Description: (Clarification)
Clarify Table 17A-1 for the Systems/Components Listed for the Diesel Generator Fuel Oil Storage & Transfer System
Justification:
A separate line item for Class 5 piping and supports has been added for consistency with other system lists. The Seismic Category has been changed from II to II/NONE to reflect that not all Class 5 piping and supports are required to be seismic category II. Code Class "NNS," an editorial error, has been removed.
See the Generic Justification for Table 17A-1, Sheet 9.
Group: 4
FSAR Change Request Number: 90-078.08
SER/SSER Impact: No

Table 17A-1

See Sheet No(s):17
Description: (Clarification)
Clarify Safety Class, Code Class, Seismic Category, and Quality Assurance notes for Diesel Generator Starting Air System components
Justification:
The compressors, after coolers and air dryers have been changed to Seismic Category NONE. Only the mounting, anchors and supports are Seismic Category II per Note 72 and are subject to the Note B Operations QA Program. Class 5 piping and supports has been added to the component list for consistency with similar systems.
See the Generic Justification for Table 17A-1, Sheet 9.
Group: 4
FSAR Change Request Number: 90-078.09
Related SSER Section: SSER22 9.5.6
SER/SSER Impact: Yes

The NRC states that "...any classification is acceptable provided failure of these components will not affect safety-related components. The components in question are seismic category II which the staff finds acceptable. Seismic testing ... is not required."

Table 17A-1

See Sheet No(s):19
Description: (Clarification)
Clarify Seismic Category and Quality Assurance notes for Diesel Generator Combustion Air Intake & Exhaust System components
Justification:

**FSAR Page
(as amended)**

Description

The Exhaust Relief Valve and the Flexible Connectors do not have seismic requirements. The anchor bolts, structural steel and mounting of the flexible connectors are subject to the Operations QA Program per Note 70. Cod Class "NNS", an editorial error, has been removed.

See the Generic Justification for Table 17A-1, Sheet 9.

Group: 4

FSAR Change Request Number: 90-078.10

Related SSER Section: SSER22 9.5.8

SER/SSER Impact: Yes

The NRC questioned the seismic II categorization of flexible connectors, exhaust relief valve and exhaust piping on the roof. These components were determined to be functional during and after the seismic event. The NRC, therefore, accepted seismic category II.

Table 17A-1

See Sheet No(s):20 through 23

Description: (Clarification)

Clarify Seismic Category and Quality Assurance Notes for Liquid Waste Processing System

Justification:

The Waste Holdup Tank, Waste Evaporator Feed Pump, Waste Evaporator Feed Filter, Waste Evaporator Package Feed Preheater, Gas Stripper, Submerged Tube Evaporator, Evaporator Condenser (Distillate Side), Distillate Cooler (Distillate Side), Absorption Tower, Vent Condenser (Gas Side), Distillate Pump, Concentrate Pump, Piping and Valves for Feed, Distillate, Concentrate and Vent, and Floor Drain Waste Evaporator Package Evaporator Condenser (Distillate Side), Distillate Condenser (Distillate Side), and Vent Condenser (Gas Side) have been changed to Seismic Category NONE. Only the mountings, anchors and supports are Seismic Category II per Note 72 and are subject to the Note B Operations QA Program.

See the Generic Justification for Table 17A-1, Sheet 9.

Group: 4

FSAR Change Request Number: 90-078.11

SER/SSER Impact: No

Table 17A-1

See Sheet No(s):25

Description: (Clarification)

Clarify Seismic Category and Quality Assurance Notes for Gaseous Waste Processing System

Justification:

The Gas Decay Tanks (numbers 9 & 10) have been changed to Seismic Category NONE. Only the mountings, anchors and supports are Seismic Category II per Note 72 and are subject to the Note B Operations QA Program.

See the Generic Justification for Table 17A-1, Sheet 9.

Group: 4

**FSAR Page
(as amended)**

Description

Table 17A-1

FSAR Change Request Number: 90-078.12
SER/SSER Impact: No

See Sheet No(s):26 and 27

Description: (Clarification)

Clarify the Seismic Category and Quality Assurance Notes for Dampers in the Containment Ventilation System

Justification:

Added Note 71 to clarify that HVAC dampers are Seismic Category NONE. Only their mountings, structural steel and anchors are Seismic Category II per Note 70 and are subject to the Note B Operations QA Program.

Added Note 23 to Containment Preaccess Filtration Unit for specification of critical parts.

The term "dampers and supports" has been changed to "dampers" because the dampers are inside the ductwork. "Ductwork and supports" are a separate entry in the Table.

See the Generic Justification for Table 17A-1, Sheet 9.

Group: 4

FSAR Change Request Number: 90-078.14
SER/SSER Impact: No

Table 17A-1

See Sheet No(s):29 and 31

Description: (Clarification)

Clarify the Seismic Category and Quality Assurance Notes for the Safeguard Building HVAC System and Uncontrolled Access Area Ventilation System

Justification:

Supply Units/Fans have been changed to Seismic Category NONE. Only their mountings, structural steel and anchors are Seismic Category II per Note 70 and are subject to the Note B Operations QA Program.

See the Generic Justification for Table 17A-1, Sheet 9.

Group: 4

FSAR Change Request Number: 90-078.15
SER/SSER Impact: No

Table 17A-1

See Sheet No(s):29,30,31 and 32

Description: (Clarification)

Clarify the Seismic Category and Quality Assurance Notes for Dampers in the Safeguard Building HVAC System, Fuel Building Ventilation System, Uncontrolled Access Area Ventilation System, Primary Plant Ventilation and Auxiliary Building Ventilation System.

Justification:

Added Note 71 to clarify that HVAC dampers are Seismic Category NONE. Only their mountings, structural steel and anchors are Seismic Category II per Note 70 and are subject to the Note B Operations QA Program.

See the Generic Justification for Table 17A-1, Sheet 9.

**FSAR Page
(as amended)**

Description

Table 17A-1	<p>Group: 4 FSAR Change Request Number: 90-078.16 SER/SSER Impact: No</p> <p>See Sheet No(s):32 Description: (Correction) Remove Redundant Entries for Dampers and Ductwork in the Auxiliary Building HVAC System Justification: The separate line items for dampers/ductwork and supports for the Boron Injection Surge Tank Room Emergency System were removed. The dampers/ductwork and supports are enveloped by the generic safety class 3 items.</p> <p>Group: 4 FSAR Change Request Number: 90-078.17 SER/SSER Impact: No</p>
Table 17A-1	<p>See Sheet No(s):37 Description: (Clarification) Clarify the Seismic Category and Remarks for the Roll-Away Missile Shield Justification: The non-critical parts of the roll-away missile shield have been changed to Seismic Category NONE. Only the mountings, anchors and structural steel are Seismic Category II per Note 70 and are subject to the Note B Operations QA Program. See the Generic Justification for Table 17A-1, Sheet 9.</p> <p>Group: 4 FSAR Change Request Number: 90-078.18 SER/SSER Impact: No</p>
Table 17A-1	<p>See Sheet No(s):39 Description: (Clarification) Clarify the Remarks for Removable Precast Block Walls and Gypsum Walls Justification: Added Note 70 to clarify that the mountings, anchors and structural steel of removable precast block walls and gypsum walls are subject to the Note B Operations QA Program. See the Generic Justification for Table 17A-1, Sheet 9.</p> <p>Group: 4 FSAR Change Request Number: 90-078.19 SER/SSER Impact: No</p>
Table 17A-1	<p>See Sheet No(s):41 Description: (Clarification) Clarify Wire and Cable Raceway System Applicability and the Seismic Category and Quality Assurance Notes for Conduit (Not Containing Class 1E Wires and Cables) Justification:</p>

**FSAR Page
(as amended)**

Description

The title of the section has been changed to reflect applicability to Seismic Category I buildings. The Conduit (not containing Class 1E wires or cables) has been changed to Seismic Category NONE. Only the conduit supports are Seismic Category II per Note 67 and are subject to the Note B Operations QA Program. See the Generic Justification for Table 17A-1, Sheet 9.

Group: 4

FSAR Change Request Number: 90-078.21

SER/SSER Impact: No

Table 17A-1

See Sheet No(s):42 and 43

Description: (Correction)

Add ANSI Safety Classification for Radiation Monitoring System Monitors

Justification:

The ANSI Safety Classification has been added for the Containment Air Monitors, Plant Vent Stack Monitors, Component Cooling Water Monitors, Ventilation Duct Monitors and Liquid Waste Effluent Monitors. The Safety Class was previously listed as "N/A". The addition is consistent with the system flow diagrams and the design basis documents.

Group: 4

FSAR Change Request Number: 90-154

SER/SSER Impact: No

Table 17A-1

See Sheet No(s):42 and 43

Description: (Clarification)

Clarify Seismic Category and Quality Assurance Notes for the Radiation Monitoring System

Justification:

The Main Steam Line Monitors, Component Cooling Water Monitors and Waste Gas Monitors have been changed to Seismic Category NONE. Only the critical parts per Notes 73 and 74 are Seismic Category II and are subject to the Note B Operations QA Program.

See the Generic Justification for Table 17A-1, Sheet 9.

Group: 4

FSAR Change Request Number: 90-078.22

Related SER Section: 11.3

SER/SSER Impact: No

Table 17A-1

See Sheet No(s):43 and 44

Description: (Clarification)

Clarify Seismic Category and Quality Assurance notes for Fire Protection System Components

Justification:

Fire Suppression Systems, Portable Extinguishers, Fire Rated Coating Systems, Detection Systems, Fire Doors, Fire Dampers and Fire Rated Barriers have been changed to Seismic Category NONE. Only mountings, anchors and

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(as amended)**

Description

supports are Seismic Category II per Note 72 and are subject to the Note B Operations QA Program. Fire Extinguisher Brackets have been added as a separate item with the same Seismic and QA requirements. Valves have been removed from the RCP Lube Oil Collection System as they are Seismic Category NONE and have no QA requirements.

See the Generic Justification for Table 17A-1, Sheet 9.

Group: 4

FSAR Change Request Number: 90-078.23

SER/SSER Impact: No

Table 17A-1

See Sheet No(s):44

Description: (Correction)

Correct Seismic Category for Class 5 Piping and Supports in the Hydrogen System

Justification:

All Class 5 piping and supports in the Hydrogen System are Seismic Category II for compliance with BTP-CMEB 9.5-1 as previously committed in SSER 12, page 9-23.

Seismic Category NONE has been removed for consistency.

Group: 3

FSAR Change Request Number: 90-078.24

Related SSER Section: SSER12 9.5.1.4

SER/SSER Impact: No

Table 17A-1

See Sheet No(s):47

Description: (Clarification)

Clarify Seismic Category and Quality Assurance Notes for Instrumentation and Controls

Justification:

Control Room Benchboards, Vertical Panels or Hot Shutdown Panel Mounted Equipment Classified as Non-1E has been changed to Seismic Category NONE. Note 70 has been added to clarify that the anchor bolts, structural Steel and/or mounting for these components are subject to the Operations QA Program.

See the Generic Justification for Table 17A-1, Sheet 9.

Group: 4

FSAR Change Request Number: 90-078.26

SER/SSER Impact: No

Table 17A-1

See Sheet No(s):47

Description: (Clarification)

Clarify Seismic Category for Tornado Venting Components

Justification:

Dampers and Blowout Panels have been changed from Seismic Category II to II/NONE because not all are Seismic Category II. In addition, Note 76 clarifies that only Control Room blowout panels are Seismic Category II and subject to the Note B Operations QA Program.

See the Generic Justification for Table 17A-1, Sheet 9.

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(as amended)**

Description

Table 17A-1	<p>Group: 4 FSAR Change Request Number: 90-078.27 Related SER Section: 3.3.2 SER/SSER Impact: No</p> <p>See Sheet No(s):48 Description: (Correction) Correct Applicable Code and Code Class for Potable and Sanitary Water System Justification: The Safety Classification of the Domestic Water Storage Tank was previously changed to NNS. The Applicable Code and Code Class have been changed to be consistent with FSAR Table 3.2-1. Note 23 has been added to clarify the applicability of the Note B Operations QA Program.</p> <p>Group: 4 FSAR Change Request Number: 90-078.28 SER/SSER Impact: No</p>
Table 17A-1	<p>See Sheet No(s):50 Description: (Clarification) Correct Table 17A-1 Note 9 Justification: Clarify that the Fuel Handling Bridge Crane parts are non-safety related for consistency with Table 17A-1 and clarify that "applicable" quality assurance requirements of 10CFR50, Appendix B are met. The Fuel Handling Bridge Crane is provided as safety-related because some plants have requirements for Crane operation to preclude/mitigate the effects of a fuel handling accident. Comanche Peak is not one of those plants.</p> <p>Group: 4 FSAR Change Request Number: 90-078.29 SER/SSER Impact: No</p>
Table 17A-1	<p>See Sheet No(s):54 Description: (Revision) Revise Table 17A-1 Note 44 Justification: Note 44 has been changed to remove the non-existent combination of Seismic Category NONE Piping with Seismic II Supports. An evaluation of all class 5 piping in category I buildings was performed. Seismic failure was not credible, so none of the supports were required to be Seismic Category II. Hence, the combination of Seismic Category II supports on Seismic Category NONE piping does not exist.</p> <p>Group: 3 FSAR Change Request Number: 90-078.37 SER/SSER Impact: No</p>

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(as amended)**

Description

Table 17A-1

See Sheet No(s):55
Description: (Revision)
Revise Table 17A-1 Note 54
Justification:
Updated Note 54 to reflect removal of Fire Dampers from ventilation flow diagrams and to specify the thermal link as the Seismic Category II part.
See the Generic Justification for Table 17A-1, Sheet 9.
Group: 4
FSAR Change Request Number: 90-078.32
SER/SSER Impact: No

Table 17A-1

See Sheet No(s):56
Description: (Clarification)
Clarify Table 17A-1 Note 64
Justification:
Changed the wording to more clearly convey the intent of the Note. The intent is not that the insulation may be removed. The intent is that the insulation need not be non-crushable, i.e., other insulation is acceptable.
Group: 4
FSAR Change Request Number: 90-078.33
SER/SSER Impact: No

Table 17A-1

See Sheet No(s):57
Description: (Clarification)
Clarify Table 17A-1 Note 67
Justification:
Note 67 has been changed to remove the definition of seismic categories. Seismic categories are defined in FSAR Chapter 3.2. Specific seismic and quality assurance requirements for conduit and conduit supports has been added.
Group: 4
FSAR Change Request Number: 90-078.34
SER/SSER Impact: No

Table 17A-1

See Sheet No(s):57
Description: (Clarification)
Add Notes 70 through 76 to Table 17A-1
Justification:
Notes 70 through 74 and 76 have been added to specify the applicability of Seismic Category II and the Note B Operations QA Program for the structures, systems and components in Table 17A-1. A justification for each use of these new notes has been provided as part of the description for each time the new notes have been used for items in Table 17A-1. In addition, Note 75 has been added to specify the operability requirements for the Diesel Generator Exhaust Relief Valve.
See the Generic Justification for Table 17A-1, Sheet 9.

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(as amended)**

Description

	Group: 4 FSAR Change Request Number: 90-078.35 SER/SSER Impact: No
Table 17A-2	See Sheet No(s):01 Description: (Revision) Remove Unused Safety Classification and Seismic Category Justification: Remove "NS" from SAFETY CLASS as it is no longer used. Remove "II" from SEISMIC CATEGORY where associated with SAFETY CLASS 3 as it is no longer a valid category. Group: 4 FSAR Change Request Number: 90-078.36 SER/SSER Impact: No
Q&R 010-17	See Page No(s):9.1-6 and 3.8-110 Description: (Editorial) Replaces the response to Question 010.10 with a referral to previously revised sections 9.1.2 and 3.8.4.1.2 Justification: This change is made to ready the Q&R section for deletion when the USAR is prepared. Group: 4 FSAR Change Request Number: 90-190 Related SER Section: 9.1.2; SSER22 9.1.2 SER/SSER Impact: No
Q&R 010-18	See Page No(s):9.1-24 Description: (Update) Replaces the response to Question 010.11 with a revised FSAR section 9.1.3.2.1, item 19 Justification: This change is made to ready the Q&R section for deletion when the USAR is prepared. Group: 3 FSAR Change Request Number: 90-195.2 Related SER Section: 9.1.3; SSER22 9.1.3 SER/SSER Impact: No
Q&R 010-23	See Page No(s):9.4A-4, 9.4E-2, 15.2-16 & 18. Description: (Editorial) Replaces the response to Question 010.16 with a referral to previously revised sections 15.2.6 and 9.4A.2.2, and revised section 9.4E. Justification: This change is made to ready the Q&R section for deletion when the USAR is prepared. Group: 4 FSAR Change Request Number: 90-207.2 Related SER Section: 9.4; SSER22 9.4 SER/SSER Impact: No

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(as amended)**

Description

Q&R 010-26

See Page No(s):15.2-30 & 35, Table 15.2-1 (sh 7&8)

Description: (Editorial)

Deletes the response to Question 010.19 and replaces it with a referral to Sections 15.2.8.2 and 15.2.8.3, as well as to Table 15.2-1 (sh 7 & 8).

Justification:

This change is made to ready the Q & R section for deletion when the USAR is prepared. The current analysis of the Feedwater System Pipe Break event assumes no operator action for 30 minutes; the results are acceptable as stated in Section 15.2.8.3. The parenthetical statement referring to the incorrect 3000 seconds value specified in an earlier version of Table 15.2-1 is deleted since it is deemed to be irrelevant to the question.

Group: 4

FSAR Change Request Number: 90-178.1

Related SER Section: 15.3.6

SER/SSER Impact: No

Q&R 032-17

Description: (Correction)

Delete response to Q32.16 and replace with a reference to section 7.2.1.1.9 which incorporates the response.

Justification:

This change is made to ready the Q & R section for deletion when the USAR is prepared.

Group: 4

FSAR Change Request Number: 90-188.01

SER/SSER Impact: No

Q&R 032-19

Description: (Correction)

At Q/R 32.18 change the referenced section from 7.3.1.2.6 to 7.1.2.11.

Justification:

This change is made to ready the Q & R section for deletion when the USAR is prepared. The referenced section was in error. The response is incorporated in 7.1.2.11. No new information is added or deleted.

Group: 4

FSAR Change Request Number: 90-188.02

SER/SSER Impact: No

Q&R 032-31

See Page No(s):10.2-17, 15.1-21

Description: (Editorial)

Deletes the response to Question 032.30 and replaces it with a referral to revised Section 15.1.5.1 and Section 10.2.2.7.7.

Justification:

This change is made to ready the Q & R section for deletion when the USAR is prepared. A portion of the response is relocated to the text in Section 15.1.5.1,

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which discusses valve closures assumed in the analysis of the Steam Line Break accident; the remainder of the response is already included in Section 10.2.2.7.7.

Group: 4
FSAR Change Request Number: 90-179.1
Related SER Section: 15.3.5
SER/SSER Impact: No

Q&R 212-134

See Page No(s): 4.2-6
Description: (Editorial)
Deletes the response to Question 212.70 and replaces it with a referral to revised Section 4.2.1.3.
Justification:
This change is made to ready the Q & R section for deletion when the USAR is prepared.

Group: 4
FSAR Change Request Number: 90-180.1
Related SER Section: 4.2.1
SER/SSER Impact: No

Q&R 212-136

See Page No(s): 15.2-14
Description: (Editorial)
Deletes the response to Question 212.72 and replaces it with a referral to revised Section 15.2.5.
Justification:
This change is made to ready the Q & R section for deletion when the USAR is prepared. The information in the response is relocated (with editorial changes) to FSAR Section 15.2.5, which discusses the Loss of Condenser Vacuum event.

Group: 4
FSAR Change Request Number: 90-175.1
Related SER Section: 15.2.2
SER/SSER Impact: No

Q&R 212-140

See Page No(s): 15.3-7
Description: (Editorial)
Deletes the response to Question 212.76 and replaces it with a referral to revised Section 15.3.2.1 as well as Section 7.2.1.1.2 and Table 7.2-1.
Justification:
This change is made to ready the Q & R section for deletion when the USAR is prepared.

Group: 4
FSAR Change Request Number: 90-176.1
Related SER Section: 15.3
SER/SSER Impact: No

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(as amended)**

Description

Q&R 212-143

See Page No(s):15.6-1
Description: (Editorial)
Deletes the response to Question 212.79 and replaces it with a referral to revised Section 15.6.1.1.
Justification:
This change is made to ready the Q & R section for deletion when the USAR is prepared.
Group: 4
FSAR Change Request Number: 90-177.1
Related SER Section: 15.2.2
SI/R/SSER Impact: No

Q&R 212-191

Description: (Editorial)
Deletes the response to Question 212.120 and replaces it with a referral to Sections 15.3.1.2 and 15.3.2.2.
Justification:
This change is made to ready the Q & R section for deletion when the USAR is prepared.
Group: 4
FSAR Change Request Number: 90-185.1
Related SER Section: 15.3
SER/SSER Impact: No

Q&R 212-199

See Page No(s):15.2-4
Description: (Editorial)
Deletes the response to Question 212.127 and replaces it with a referral to revised Section 15.2.2.1 and to the list of references for Section 15.2.
Justification:
This change is made to ready the Q & R section for deletion when the USAR is prepared.
Group: 4
FSAR Change Request Number: 90-187.1
Related SER Section: 15.2.2
SER/SSER Impact: No

Q&R 212-206

See Page No(s):6.3-10, 15.6-27, Table 17A-1 (sh 7)
Description: (Editorial)
Deletes the response to Question 212.134 and replaces it with a referral to revised Sections 6.2.2.2.6, 15.6.5.3.2 and Table 17A-1 (sh 7), as well as Sections 5.4.7.2.2, 6.3.2, 6.3.2.2.5, Tables 6.3-9, 15.6-6 and 17A-1 (sh 4), and Figure 6.3-1 (sh 1, 4 & 5)
Justification:
This change is made to ready the Q&R section for deletion when the USAR is prepared. The term "minimum safeguards", which appears in the response, is deleted since that terminology is no longer used. The sheet number indicated in the response as showing the SI and RHR pumps (i.e., sheet 3) is no longer correct; these pumps are now shown on sheets 4 and 5, respectively, of the same figure. The single failure which the response

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Description

indicated was used in the large break [LOCA] analysis (i.e., partial safety injection or minimum safeguards performance, corresponding to one of each of the three different types of pumps), is changed to be consistent with the current assumption, as provided previously in a revision to the response to Question 212.65.

Group: 4
FSAR Change Request Number: 90-182.1
Related SER Section: 6.3.2
SER/SSER Impact: No

Q&R 232-9

See Page No(s):15.4-12
Description: (Editorial)
Deletes the response to Question 232.9 and replaces it with a referral to revised Section 15.4.2.2 and Sections 7.2.1.1.2 and 15.4.2.3.

Justification:
This change is made to ready the Q & R section for deletion when the USAR is prepared.

Group: 4
FSAR Change Request Number: 90-186.1
Related SER Section: 7.2.1
SER/SSER Impact: No