ArevaEPRDCPEm Resource

From:	BRYAN Martin (EXTERNAL AREVA) [Martin.Bryan.ext@areva.com]
Sent:	Wednesday, September 22, 2010 3:09 PM
To:	Tesfaye, Getachew
Cc:	DELANO Karen (AREVA); ROMINE Judy (AREVA); RANSOM James (AREVA); LENTZ Tony (EXTERNAL AREVA); HALLINGER Pat (EXTERNAL AREVA); RYAN Tom (AREVA); WILLIFORD Dennis (AREVA)
Subject:	DRAFT Response to U.S. EPR Design Certification Application RAI No. 411, FSAR Ch. 14,
Attachments:	RAI 411 Supplement 2 Response US EPR DC - DRAFT.pdf

Getachew,

Attached is a draft response for RAI 411. Let me know if the staff has questions or if this response can be sent as a final response.

Thanks,

Martin (Marty) C. Bryan
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
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From: BRYAN Martin (External RS/NB)
Sent: Monday, September 13, 2010 4:18 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); LENTZ Tony (External RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 411, FSAR Ch. 14, Supplement 1

Getachew,

AREVA NP Inc. provided a schedule for technically correct and complete responses to the 4 questions in RAI No. 411 on July 12, 2010.

AREVA NP is unable to provide a response to the remaining questions at this time. The schedule for a technically correct and complete response to the remaining questions has been changed and is provided below:

Question #	Response Date
RAI 411 — 14.03.03-48	October 15, 2010
RAI 411 — 14.03.03-49	October 15, 2010
RAI 411 — 14.03.11-4	October 15, 2010
RAI 411 — 14.03.11-5	October 15, 2010

Sincerely,

Martin (Marty) C. Bryan
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From: BRYAN Martin (EXT)
Sent: Monday, July 12, 2010 4:34 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); LENTZ Tony F (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 411, FSAR Ch. 14

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 411 Response US EPR DC.pdf," provides the schedule for technically correct and complete responses to these questions.

The following table indicates the respective pages in the response document, "RAI 411 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 411 — 14.03.03-48	2	2
RAI 411 — 14.03.03-49	3	4
RAI 411 — 14.03.11-4	5	5
RAI 411 — 14.03.11-5	6	6

A complete answer is not provided for 4 of the 4 questions. The schedule for a technically correct and complete response to these questions is provided below.

Question #	Response Date
RAI 411 — 14.03.03-48	September 13, 2010
RAI 411 — 14.03.03-49	September 13, 2010
RAI 411 — 14.03.11-4	September 13, 2010
RAI 411 — 14.03.11-5	September 13, 2010

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From: Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]
Sent: Friday, June 11, 2010 10:22 AM
To: ZZ-DL-A-USEPR-DL
Cc: Ng, Ching; Dixon-Herrity, Jennifer; Grady, Anne-Marie; Jackson, Christopher; McKirgan, John; Miernicki, Michael; Carneal, Jason; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 411(4734,4721), FSAR Ch. 14

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on May 25, 2010, and discussed with your staff on June 9, 2010. Drat RAI Question 14.03.03-49 was modified as a result of that discussion. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs. For any RAIs that cannot be answered within 30 days, it is expected that a date for receipt of this information will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the published schedule.

Thanks,
Getachew Tesfaye
Sr. Project Manager
NRO/DNRL/NARP
(301) 415-3361

Hearing Identifier: AREVA_EPR_DC_RAIs
Email Number: 2035

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From: BRYAN Martin (EXTERNAL AREVA)

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Recipients Received:

Response to

Request for Additional Information No. 411(4734, 4721), Supplement 2

6/11/2010

U. S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 14.03.03 - Piping Systems and Components - Inspections, Tests, Analyses, and Acceptance Criteria
SRP Section: 14.03.11 - Containment Systems and Severe Accidents - Inspections, Tests, Analyses, and Acceptance Criteria
Application Section: FSAR Section 14.3

QUESTIONS for Engineering Mechanics Branch 2 (ESBWR/ABWR Projects) (EMB2)
QUESTIONS for Containment and Ventilation Branch 1 (AP1000/EPR Projects) (SPCV)

Question 14.03.03-48:

Follow-up to RAI 255, Question 14.03.03-38

In AREVA’s response to Part (b) of RAI 14.03.03-38, the applicant revised the piping as-built reconciliation ITAAC identifying the ITA and AC. The staff also recognized that in AREVA's response to Part E of RAI 14.03-10 Supplement 4, the applicant modified the definition of "as-built" and decided to delete or replace "as-installed" with "as-built" throughout US EPR FSAR Tier 1.

In the response to Part (b) of RAI 14.03.03-38, the staff found the proposed AC acceptable. However, in the ITA, AREVA included a statement "Piping analyzed using time-history methods will be reconciled to the as-built information." The statement can be interpreted as restricting the reconciliation to only to those piping analyzed using time-history methods. The staff requested that AREVA remove the statement in the ITA.

Response to Question 14.03.03-48:

The U.S. EPR FSAR Tier 1, Chapter 2 and Chapter 3 inspections, tests, and analyses (ITA) listed in Table 14.03-03-48-1 will be revised to delete the statement "Piping analyzed using time-history methods will be reconciled to the as-built information.”

FSAR Impact:

U.S. EPR FSAR Tier 1, Chapter 2 and Chapter 3 will be revised as described in the response and indicated on the enclosed markup.

Table 14.03.03-48-1—ITAAC Revised to Delete Time-History Reference

U.S. EPR FSAR Tier 1 Section	Design Commitment and ITAAC number
2.2.1	3.21
2.2.2	3.9
2.2.3	3.11
2.2.4	3.10
2.2.5	3.10
2.2.6	3.11
2.2.7	3.11
2.3.3	3.10
2.5.4	3.17
2.7.1	3.10
2.7.2	3.10
2.7.11	3.13
2.8.2	3.9
2.8.6	3.10
2.8.7	3.9
2.9.3	3.3
3.5	3.8

Question 14.03.03-49:

Follow-up to RAI 210, Question 14.03.03-33

The staff recognized that in AREVA's response to Part E of RAI 14.03-10 Supplement 4, the applicant modified the definition of "as-built" and decided to delete or replace "as-installed" with "as-built" throughout US EPR FSAR Tier 1.

In AREVA's response to RAI 14.03.03-33, the staff found the ITAAC proposed by the applicant regarding ASME Code Section III components are not acceptable.

Part a) Design ITAAC

The staff identified two concerns in the response. First, in the ITA, the staff found that inspections for the existence of the Design Reports are not the objectives of the ITAAC. Rather, the ITA should be reworded as “Inspections of the ASME Code Section III Design Reports (NCA-3550) and supporting documents will be performed.” Similarly, the staff found that the Acceptance Criteria is not acceptable because simply verifying the existence of the report is insufficient. The staff requests the applicant to modify the acceptance criteria to “ASME Code Section III Design Reports (NCA-3550) exist and conclude that for components listed as ASME Code Section III in Table x.x.x-x comply with the ASME Code Section III requirements.”

Part b) As-built Reconciliation ITAAC

In its response to RAI 14.03.03-33 Part (b), the applicant refused to add an ITAAC to perform the “as-built analyses” because the nth plant will be built like the (n-1)th plant. Furthermore, the applicant indicated that there is no ASME Code requirement for a separate “as-built analysis” and the components are ASME Code Section III when they leave the factory before their installation at their final location onsite. The applicant proposed to add an ITAAC to verify that the components are fabricated in accordance with ASME Code Section III requirements. An inspection will be performed to verify that the design report has been revised to reflect as-built deviation from the design if applicable.

The staff found that the justifications and proposed ITAAC to be unacceptable. First, the staff requested the applicant, in all RAI questions, to perform “as-built reconciliation”. These are analyses to reconcile deviation for ASME Code requirements. It is believed that the applicant misunderstood that with the term “as-built analysis”.

Regarding the proposed ITAAC, the appropriate ITA to reconcile the deviation should not be an inspection. The staff requests that AREVA modify the ITA to "An analysis will be performed to reconcile the as-built condition of the components with the ASME Code Section III Design Reports." The staff also requests the AC be modified to “ASME Code Design Report(s) exits and concludes that design reconciliation has been completed in accordance with the ASME Code for as-built reconciliation of the components identified in Table x.x.x-x as ASME Code Section III. The report documents the results of the reconciliation analysis.”

c) Fabrication and Installation ITAAC

In its response to RAI 14.03.03-33 Part (c), AREVA again indicated that there exist ITAAC for welding inspections and hydrostatic test. The staff found this response to be inadequate because the scope of assuring the components are fabricated, installed, and inspected is broader than that of the welding and hydrostatic testing. During the review of previous Design Certifications, in addition to the welding and Hydrostatic testing ITAAC, the staff determined that three distinct ITAAC covering i) design, ii) as-built reconciliation, and iii) fabrication & installation activities would encompass the complete scope to ensure that the components to be properly designed and constructed in accordance with ASME Code Section III requirements. It should also be noted that the fabrication & installation ITAAC for piping was properly addressed in RAI 14.03.03-38 by AREVA.

The staff requests that AREVA include an ITAAC to address fabrication & installation of ASME Code Section III components.

Response to Question 14.03.03-49:

a) Design ITAAC

U.S. EPR FSAR Tier 1, Chapter 2 and Chapter 3 will be revised to standardize design commitments and ITAAC for ASME Code Section III component design. The standard ASME Code Section III component design format is shown in Table 14.03-03-49-1, and the ITAAC being revised are listed in Table 14.03-03-49-2.

b) As-built Reconciliation ITAAC

In discussions between the industry and the NRC, there has been specific significance applied to the use of the phrase “as-built” in ITAAC. As defined in NEI-08-01 (which is endorsed by RG 1.215), “as-built” means in the final location at the plant site. ASME Code Section III Component Design reports do apply to the site installation of the component, and the phrase “as-built analysis” does not apply to the ASME Code component design report in Tier 1.

U.S. EPR FSAR Tier 1, Chapter 2 and Chapter 3 will be revised to standardize design commitments and ITAAC for ASME Code Section III component fabrication The standard ASME Code Section III component fabrication format is shown in Table 14.03-03-49-3, and the ITAAC being revised are listed in Table 14.03-03-49-4.

c) Fabrication and Installation ITAAC

U.S. EPR FSAR Tier 1, Chapter 2 and Chapter 3 will be revised to add design commitments and ITAAC for ASME Code Section III components installation. The standard ASME Code Section III components installation format is shown in Table 14.03-03-49-5, and the design commitments and ITAAC being added are listed in Table 14.03-03-49-6.

FSAR Impact:

U.S. EPR FSAR Tier 1, Chapter 2 and Chapter 3 will be revised as described in the response and indicated on the enclosed markup.

Table 14.03.03-49-1—Revised ITAAC for ASME Code Section III Component Design

Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
Components listed in Table x.x.x-x as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table x.x.x-x comply with ASME Code Section III requirements.

Table 14.03.03-49-2—ITAAC Revised for ASME Code Section III Component Design

U.S. EPR FSAR Tier 1 Section	Design Commitment and ITAAC number
2.2.1	3.25
2.2.2	3.13
2.2.3	3.15
2.2.4	3.14
2.2.5	3.14
2.2.6	3.15
2.2.7	3.15
2.2.8	3.4
2.3.3	3.14
2.5.4	3.21
2.6.8	3.8
2.7.1	3.14
2.7.2	3.14
2.7.5	3.3
2.7.11	3.5
2.8.2	3.4
2.8.6	3.5
2.8.7	3.4
2.9.3	3.7
3.5	3.12

Table 14.03.03-49-3—Revised ITAAC for ASME Code Section III Component Fabrication

Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
Components listed in Table x.x.x-x as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table x.x.x-x comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.

Table 14.03.03-49-4—ITAAC Revised for ASME Code Section III Component Fabrication

U.S. EPR FSAR Tier 1 Section	Design Commitment and ITAAC number
2.2.1	3.26
2.2.2	3.14
2.2.3	3.16
2.2.4	3.15
2.2.5	3.15
2.2.6	3.16
2.2.7	3.16
2.2.8	3.5
2.3.3	3.15
2.5.4	3.22
2.6.8	3.9
2.7.1	3.15
2.7.2	3.15
2.7.5	3.4
2.7.11	3.6
2.8.2	3.5
2.8.6	3.6
2.8.7	3.5
2.9.3	3.8
3.5	3.13

Table 14.03.03-49-5—New ITAAC for ASME Code Section III Component Installation

3.x Components listed in Table x.x.x-x as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
Components listed in Table x.x.x-x as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table x.x.x-x have been installed in accordance with ASME Code Section III requirements.

Table 14.03.03-49-6—New ITAAC for ASME Code Section III Component Installation

U.S. EPR FSAR Tier 1 Section	Design Commitment and ITAAC number
2.2.1	3.30
2.2.2	3.17
2.2.3	3.19
2.2.4	3.18
2.2.5	3.18
2.2.6	3.19
2.2.7	3.19
2.2.8	3.9
2.3.3	3.18
2.5.4	3.25
2.6.8	3.12
2.7.1	3.18
2.7.2	3.18
2.7.5	3.7
2.7.11	3.17
2.8.2	3.13
2.8.6	3.14
2.8.7	3.13
2.9.3	3.11
3.5	3.16

Question 14.03.11-4:

Follow-up to RAI 104, Question 14.3.11-1(b)

Hydrogen Monitoring System.

Per 10 CFR 50.44(c)(4)(ii), equipment must be provided for monitoring hydrogen in the containment. Equipment for monitoring hydrogen must be functional, reliable, and capable of continuously measuring the concentration of hydrogen in the containment atmosphere following a significant beyond design-basis accident for accident management, including emergency planning.

Per US EPR FSAR, section 6.2.5.1, the HMS measures the hydrogen concentration in containment during and after the accident, and remains functional during and after exposure to accident environmental conditions (10 CFR 50.44(c)(4)(ii).

While the high range monitors are not safety related, they are safety significant, similar to the PARs and the SAHRS.

Since both the low and the high range HMS equipment are part of the CGCS design basis, add the high range hydrogen monitoring system (HMS) equipment to Table 2.4.14-1, so that the HMS ITAAC will verify that both the low range and the high range monitors display and alarm in the main control room.

Response to Question 14.03.11-4:

AREVA NP based its development of U.S. EPR FSAR Tier 1 on Standard Review Plan (SRP) 14.3. SRP 14.3 states that not all information required for compliance with regulations and described in Tier 2 is required to be in Tier 1 and have ITAAC. SRP 14.3 describes a graded approach to selecting information from Tier 2 and including that information in Tier 1 with ITAAC. SRP 14.3 specifies specific non-safety-related criteria for inclusion in Tier 1 such as severe accident, anticipated transient without scram (ATWS), and fire protection.

U.S. EPR FSAR Tier 2 material is screened to determine if it is ”safety significant” as described in U.S. EPR FSAR Tier 2, Section 14.3. This screening process uses criteria developed from SRP 14.3, Appendixes A and C. The first process uses discipline checklists that include ITAAC criteria based on guidance in SRP, Section 14.3. For example, the discipline checklist for systems provides guidance to create ITAAC for the following features:

- Major safety-related features.
- Equipment that is seismic, EQ, or 1E.
- Safety-related equipment.
- Design features provided for severe accident mitigation, station blackout (SBO), and ATWS.
- Significant system features identified in the applicable SRPs for the system.
- Significant safety-related (and non-safety-related) functions derived from those listed in system design requirements documents.

The second process involves an expert review panel that selects safety-significant features based on assumptions and insights from key safety and integrated plant safety analyses in U.S. EPR FSAR Tier 2, where plant performance is dependent on contributions from multiple systems. This process is based on guidance in SRP 14.3, Page 14.3-21. Results of the expert review panel meetings are provided in U.S. EPR FSAR Tier 2, Tables 14.3-1 through 14.3-7.

Specifically:

SRP 14.3, Appendix A, Page 14.3-16 states:

> "The applicant should put the top-level design features and performance characteristics that were the most significant to safety in the Tier 1 design descriptions. The level of detail in Tier 1 is governed by a graded approach to the SSCs of the design, based on the safety significance of the functions they perform."
>
> "For example, safety-related SSCs should be described in Tier 1 with a relatively greater amount of information. Other SSCs should also be included based on their importance to safety, such as containment isolation aspects of non-safety systems. Some non-safety aspects of SSCs need not be discussed in Tier 1. This graded approach recognizes that although many aspects of the design are important to safety, the level of design detail in Tier 1 and verification of the key design features and performance characteristics should be commensurate with the significance of the safety functions to be performed."

SRP 14.3, Page 14.3-17 states:

> "The level of detail specified in the ITAAC should be commensurate with the safety significance of the functions and bases for that SSC."

SRP 14.3, Appendix A, Page 14.3-21 states:

> "The staff is particularly interested in ensuring that the assumptions and insights from key safety and integrated plant safety analyses in Tier 2, where plant performance is dependent on contributions from multiple systems of the design, are adequately considered in Tier 1. Addressing these assumptions and insights in Tier 1 ensures that the integrity of the fundamental analyses for the design are preserved in an as-built facility referencing the certified design. These analyses include flooding analyses, over-pressure protection, containment analyses, core cooling analyses, fire protection, transient analyses, anticipated transient without scram analyses, steam generator tube rupture analyses (PWRs only), radiological analyses, USIs/GSIs and TMI items, or other key analyses as specified by the staff. Therefore, applicants should provide information, in tabular form, in Section 14.3 that cross references the important design information and parameters of these analyses to their treatment in Tier 1. The cross-references should be sufficiently detailed to allow a COL applicant or licensee to consider whether a proposed design change impacts the treatment of these parameters in Tier 1."

SRP 14.3, Appendix A, Page 14.3-17 states:

> "Also, the scope of the ITAAC is consistent with the SSCs that are in the design descriptions. In general, each system has one or more ITAAC that verify the information in the design descriptions. The system ITAAC should verify that the key design characteristics

> and performance requirements of the SSCs are verified. The level of detail specified in the ITAAC should be commensurate with the safety significance of the functions and bases for that SSC."

SRP 14.3, Appendix C, Page 14.3-24 states:

> "This section is not repeated here, but it provides a discussion of what should be included as a 'key feature', and therefore by exclusion what does not have to be addressed in Tier 1and hence ITAAC."

As is stated in this question, these non-safety-related monitors are less "safety significant" than the safety-related monitors.

Lack of inclusion in U.S. EPR FSAR Tier 1 does not mean the COL applicant does not have to address the items described in U.S. EPR FSAR Tier 2. The COL applicant must comply with U.S. EPR FSAR Tier 2 or take exception to it. Further evidence of this is provided in the inspection manual chapters have separate chapters on ITAAC (IMC 2503) inspections and non-ITAAC (2504) inspections.

U.S. EPR FSAR Tier 1, Section 3.7 completes the identification of the minimum inventory of alarms and controls in control room.

FSAR Impact:

The U.S. EPR FSAR will not be changed as a result of this question.

Question 14.03.11-5:

Follow-up to RAI 124, Question 14.3.11-3

Per 10 CFR 50.44(c)(4)(ii), equipment must be provided for monitoring hydrogen in the containment. Equipment for monitoring hydrogen must be functional, reliable, and capable of continuously measuring the concentration of hydrogen in the containment atmosphere following a significant beyond design-basis accident for accident management, including emergency planning.

Per US EPR FSAR, section 6.2.5.2.2, the (HMS) provides indication of hydrogen concentrations in the containment atmosphere during design basis accidents, and monitors both hydrogen concentrations and steam content in the containment atmosphere during beyond design basis accidents. They assist the operators during both design basis accidents, and during beyond design basis accidents.

Add the low range and the high range HMS monitors in the MCR to FSAR Tier 2, Table 18.7-1, Minimum Inventory of Main Control Room Fixed Alarms, Displays, and Controls, and indicate that they both display and alarm.

Response to Question 14.03.11-5:

The Response to RAI 383, Supplement 1, Question 18-162 deleted U.S. EPR FSAR Tier 2, Table 18.7-1.

FSAR Impact:

The U.S. EPR FSAR will not be changed as a result of this question.

U.S. EPR Final Safety Analysis Report Markups

3.21 RCS piping shown as ASME Code Section III on Figure 2.2.1-1 is installed in accordance with an ASME Code Section III Design Report.

3.22 Pressure boundary welds in RCS piping shown as ASME Code Section III on Figure 2.2.1-1 are in accordance with ASME Code Section III.

3.23 RCS piping shown as ASME Code Section III on Figure 2.2.1-1 retains pressure boundary integrity at design pressure.

3.24 RCS piping shown as ASME Code Section III on Figure 2.2.1-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.25 Components listed in Table 2.2.1-1 as ASME Code Section III, other than RPV internals, are designed in accordance with ASME Code Section III requirements.

3.26 Components listed in Table 2.2.1-1 as ASME Code Section III, other than RPV internals, are fabricated in accordance with ASME Code Section III requirements.

3.27 Pressure boundary welds on components listed in Table 2.2.1-1 as ASME Code Section III, other than RPV internals, are in accordance with ASME Code Section III requirements.

3.28 Components listed in Table 2.2.1-1 as ASME Code Section III, other than RPV internals, retain pressure boundary integrity at design pressure.

14.03.03-49

3.29 The RCP flywheel maintains its structural integrity during an overspeed event.

3.30 Components listed in Table 2.2.1-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

4.0 Instrumentation and Controls (I&C) Design Features, Displays, and Controls

4.1 Displays listed in Tables 2.2.1-2—Equipment and Valve Actuator Power Supplies and Controls and 2.2.1-3—Instrumentation Power Supplies, Classification, and Displays are retrievable in the main control room (MCR) and remote shutdown station (RSS) as listed in Tables 2.2.1-2 and 2.2.1-3.

4.2 The RCS system equipment controls are provided in the MCR and RSS as listed in Table 2.2.1-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.2.1-2 responds to the state requested by a test signal.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E listed in Tables 2.2.1-2 and 2.2.1-3 are powered from the Class 1E divisions as listed in Tables 2.2.1-2 and 2.2.1-3 in a normal or alternate feed condition.

5.2 Valves listed in Table 2.2.1-2 fail to the position noted in Table 2.2.1-2 on loss of power.

Table 2.2.1-5—Reactor Coolant System ITAAC (10 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.20	RCS piping shown as ASME Code Section III on Figure 2.2.1-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that RCS piping shown as ASME Code Section III on Figure 2.2.1-1 comply with ASME Code Section III requirements. **{{DAC}}**
3.21	RCS piping shown as ASME Code Section III on Figure 2.2.1-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For RCS piping shown as ASME Code Section III on Figure 2.2.1-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.
3.22	Pressure boundary welds in RCS piping shown as ASME Code Section III on Figure 2.2.1-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for RCS piping shown as ASME Code Section III on Figure 2.2.1-1 has been performed in accordance with ASME Code Section III.
3.23	RCS piping shown as ASME Code Section III on Figure 2.2.1-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For RCS piping shown as ASME Code Section III on Figure 2.2.1-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.

Table 2.2.1-5—Reactor Coolant System ITAAC (10 Sheets)

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	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.24	RCS piping shown as ASME Code Section III on Figure 2.2.1-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For RCS piping shown as ASME Code Section III on Figure 2.2.1-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.25	Components listed in Table 2.2.1-1 as ASME Code Section III, other than RPV internals, are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.1-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.2.1-1, other than RPV internals.~~
3.26	Components listed in Table 2.2.1-1 as ASME Code Section III, other than RPV internals, are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.1-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.2.1-1, other than RPV internals, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~

Table 2.2.1-5—Reactor Coolant System ITAAC (10 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.27	Pressure boundary welds on components listed in Table 2.2.1-1 as ASME Code Section III, other than RPV internals, are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.2.1-1, other than RPV internals, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.28	Components listed in Table 2.2.1-1 as ASME Code Section III, other than RPV internals, retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.2.1-1, other than RPV internals, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.29	The RCP flywheel maintains its structural integrity during an overspeed event.	An overspeed test will be performed. 14.03.03-49	Test results verify that there is no loss of structural integrity at 125 percent of the maximum synchronous speed of the motor.
3.30	Components listed in Table 2.2.1-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.2.1-1 have been installed in accordance with ASME Code Section III requirements.

3.11 IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1 retains pressure boundary integrity at design pressure.

3.12 IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.13 Components listed in Table 2.2.2-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.

3.14 Components listed in Table 2.2.2-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.

3.15 Pressure boundary welds on components listed in Table 2.2.2-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.16 Components listed in Table 2.2.2-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.17 Components listed in Table 2.2.2-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 Instrumentation and Controls (I&C) Design Features, Displays, and Controls

4.1 Displays listed in Table 2.2.2-2—IRWSTS Equipment I&C and Electrical Design are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed in Table 2.2.2-2.

4.2 The IRWSTS equipment controls are provided in the MCR and the RSS as listed in Table 2.2.2-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.2.2-2 responds to the state requested by a test signal.

4.4 IRWST has level indication.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E in Table 2.2.2-2 are powered from the Class 1E division as listed in Table 2.2.2-2 in a normal or alternate feed condition.

5.2 Valves listed in Table 2.2.2-2 fail as-is on loss of power.

6.0 Environmental Qualifications

6.1 Components in Table 2.2.2-2, that are designated as harsh environment, will perform the function listed in Table 2.2.2-1 in the environments that exist during and following design basis events..

Table 2.2.2-3—In-Containment Refueling Water Storage Tank System ITAAC (8 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
		b. Inspections will be performed of the Seismic Category I components identified in Table 2.2.2-1 to verify that the components, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).	b. Inspection reports exist and conclude that the Seismic Category I components identified in Table 2.2.2-1, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).
3.4	Deleted.	Deleted.	Deleted.
3.5	Deleted.	Deleted.	Deleted.
3.6	Deleted.	Deleted.	Deleted.
3.7	Deleted.	Deleted.	Deleted.
3.8	IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.9	IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.

Table 2.2.2-3—In-Containment Refueling Water Storage Tank System ITAAC (8 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.10	Pressure boundary welds in IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1 has been performed in accordance with ASME Code Section III.
3.11	IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.12	IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For IRWSTS piping shown as ASME Code Section III on Figure 2.2.2-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.13	Components listed in Table 2.2.2-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.2-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.2.2-1.~~

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Table 2.2.2-3—In-Containment Refueling Water Storage Tank System ITAAC (8 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.14	Components listed in Table 2.2.2-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.2-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.2.2-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.15	Pressure boundary welds on components listed in Table 2.2.2-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.2.2-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.16	Components listed in Table 2.2.2-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.2.2-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.17	Components listed in Table 2.2.2-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.2.2-1 have been installed in accordance with ASME Code Section III requirements.

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3.11 SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1 is installed in accordance with an ASME Code Section III Design Report.

3.12 Pressure boundary welds in SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1 are in accordance with ASME Code Section III.

3.13 SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1 retains pressure boundary integrity at design pressure.

3.14 SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.15 Components listed in Table 2.2.3-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.

3.16 Components listed in Table 2.2.3-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.

3.17 Pressure boundary welds on components listed in Table 2.2.3-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.18 Components listed in Table 2.2.3-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.19 Components listed in Table 2.2.3-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 Instrumentation and Controls (I&C) Design Features, Displays, and Controls

4.1 Displays listed in Table 2.2.3-2—SIS/RHRS Equipment I&C and Electrical Design are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed in Table 2.2.3-2.

4.2 The SIS/RHRS equipment controls are provided in the MCR and the RSS as listed in Table 2.2.3-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.2.3-2 responds to the state requested by a test signal.

4.4 The SIS/RHRS has the following system interlocks:

- Opening of the accumulator injection path.
- Opening authorization of the residual heat removal system suction path from the reactor coolant system.
- Opening authorization of the hot-leg safety injection path.

Table 2.2.3-3—Safety Injection System and Residual Heat Removal System ITAAC (8 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
		b. Inspections will be performed of the Seismic Category I components identified in Table 2.2.3-1 to verify that the components, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).	b. Inspection reports exist and conclude that the Seismic Category I components identified in Table 2.2.3-1, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).
3.5	Deleted.	Deleted.	Deleted.
3.6	Deleted.	Deleted.	Deleted.
3.7	Deleted.	Deleted.	Deleted.
3.8	Deleted.	Deleted.	Deleted.
3.9	Deleted.	Deleted.	Deleted.
3.10	SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.11	SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.

Table 2.2.3-3—Safety Injection System and Residual Heat Removal System ITAAC (8 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.12	Pressure boundary welds in SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1 has been performed in accordance with ASME Code Section III.
3.13	SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.14	SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For SIS/RHRS piping shown as ASME Code Section III on Figure 2.2.3-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.15	Components listed in Table 2.2.3-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.3-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.2.3-1.~~

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Table 2.2.3-3—Safety Injection System and Residual Heat Removal System ITAAC (8 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.16	Components listed in Table 2.2.3-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.3-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.2.3-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.17	Pressure boundary welds on components listed in Table 2.2.3-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.2.3-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.18	Components listed in Table 2.2.3-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.2.3-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.19	Components listed in Table 2.2.3-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.2.3-1 have been installed in accordance with ASME Code Section III requirements.

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3.11 Pressure boundary welds in EFWS piping shown as ASME Code Section III on Figure 2.2.4-1 are in accordance with ASME Code Section III.

3.12 EFWS piping shown as ASME Code Section III on Figure 2.2.4-1 retains pressure boundary integrity at design pressure.

3.13 EFWS piping shown as ASME Code Section III on Figure 2.2.4-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.14 Components listed in Table 2.2.4-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.

3.15 Components listed in Table 2.2.4-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.

3.16 Pressure boundary welds on components listed in Table 2.2.4-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.17 Components listed in Table 2.2.4-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.18 Components listed in Table 2.2.4-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 Instrumentation and Controls (I&C) Design Features, Displays, and Controls

4.1 Displays listed in Table 2.2.4-2—EFWS Equipment I&C and Electrical Design are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed in Table 2.2.4-2.

4.2 The EFWS equipment controls are provided in the MCR and the RSS as listed in Table 2.2.4-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.2.4-2 responds to the state requested by a test signal.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E in Table 2.2.4-2 are powered from the Class 1E division as listed in Table 2.2.4-2 in a normal or alternate feed condition.

5.2 Valves listed in Table 2.2.4-2 fail as-is on loss of power.

6.0 Environmental Qualifications

6.1 Components in Table 2.2.4-2, that are designated as harsh environment, will perform the function listed in Table 2.2.4-1 in the environments that exist during and following design basis events.

Table 2.2.4-3—Emergency Feedwater System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
		b. Inspections will be performed of the Seismic Category I components identified in Table 2.2.4-1 to verify that the components, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).	b. Inspection reports exist and conclude that the Seismic Category I components identified in Table 2.2.4-1, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).
3.5	Deleted.	Deleted.	Deleted.
3.6	Deleted.	Deleted.	Deleted.
3.7	Deleted.	Deleted.	Deleted.
3.8	Deleted.	Deleted.	Deleted.
3.9	EFWS piping shown as ASME Code Section III on Figure 2.2.4-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that EFWS piping shown as ASME Code Section III on Figure 2.2.4-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.10	EFWS piping shown as ASME Code Section III on Figure 2.2.4-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For EFWS piping shown as ASME Code Section III on Figure 2.2.4-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.

Table 2.2.4-3—Emergency Feedwater System ITAAC (6 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.11	Pressure boundary welds in EFWS piping shown as ASME Code Section III on Figure 2.2.4-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for EFWS piping shown as ASME Code Section III on Figure 2.2.4-1 has been performed in accordance with ASME Code Section III.
3.12	EFWS piping shown as ASME Code Section III on Figure 2.2.4-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For EFWS piping shown as ASME Code Section III on Figure 2.2.4-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.13	EFWS piping shown as ASME Code Section III on Figure 2.2.4-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For EFWS piping shown as ASME Code Section III on Figure 2.2.4-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.14	Components listed in Table 2.2.4-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.4-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.2.4-1~~.

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Table 2.2.4-3—Emergency Feedwater System ITAAC (6 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.15	Components listed in Table 2.2.4-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.4-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.2.4-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.16	Pressure boundary welds on components listed in Table 2.2.4-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.2.4-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.17	Components listed in Table 2.2.4-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.2.4-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.18	Components listed in Table 2.2.4-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.2.4-1 have been installed in accordance with ASME Code Section III requirements.

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3.9 FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 is designed in accordance with ASME Code Section III requirements.

3.10 FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 is installed in accordance with an ASME Code Section III Design Report.

3.11 Pressure boundary welds in FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 are in accordance with ASME Code Section III.

3.12 FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 retains pressure boundary integrity at design pressure.

3.13 FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.14 Components listed in Table 2.2.5-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.

3.15 Components listed in Table 2.2.5-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.

3.16 Pressure boundary welds on components listed in Table 2.2.5-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.17 Components listed in Table 2.2.5-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.18 Components listed in Table 2.2.5-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 Instrumentation and Controls (I&C) Design Features, Displays, and Controls

4.1 Displays listed in Table 2.2.5-2—FPCPS Equipment I&C and Electrical Design are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed in Table 2.2.5-2.

4.2 The FPCPS equipment controls are provided in the MCR and the RSS as listed in Table 2.2.5-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.2.5-2 responds to the state requested by a test signal.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E in Table 2.2.5-2 are powered from the Class 1E division as listed in Table 2.2.5-2 in a normal or alternate feed condition.

5.2 Valves listed in Table 2.2.5-2 fail as-is on loss of power.

Table 2.2.5-3—Fuel Pool Cooling and Purification System ITAAC (6 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
		b. Inspections will be performed of the Seismic Category I components identified in Table 2.2.5-1 to verify that the components, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).	b. Inspection reports exist and conclude that the Seismic Category I components identified in Table 2.2.5-1, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).
3.5	Deleted.	Deleted.	Deleted.
3.6	Deleted.	Deleted.	Deleted.
3.7	Deleted.	Deleted.	Deleted.
3.8	Deleted.	Deleted.	Deleted.
3.9	FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.10	FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.

Table 2.2.5-3—Fuel Pool Cooling and Purification System ITAAC (6 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.11	Pressure boundary welds in FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 has been performed in accordance with ASME Code Section III.
3.12	FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.13	FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For FPCPS piping shown as ASME Code Section III on Figure 2.2.5-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.14	Components listed in Table 2.2.5-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports~~.	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.5-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.2.5-1.~~

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Table 2.2.5-3—Fuel Pool Cooling and Purification System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.15	Components listed in Table 2.2.5-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.5-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.2.5-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.16	Pressure boundary welds on components listed in Table 2.2.5-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.2.5-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.17	Components listed in Table 2.2.5-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.2.5-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.18	Components listed in Table 2.2.5-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.2.5-1 have been installed in accordance with ASME Code Section III requirements.

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3.9 Deleted.

3.10 CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 is designed in accordance with ASME Code Section III requirements.

3.11 CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 is installed in accordance with an ASME Code Section III Design Report.

3.12 Pressure boundary welds in CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 are in accordance with ASME Code Section III.

3.13 CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 retains pressure boundary integrity at design pressure.

3.14 CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.15 Components listed in Table 2.2.6-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.

3.16 Components listed in Table 2.2.6-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.

3.17 Pressure boundary welds on components listed in Table 2.2.6-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.18 Components listed in Table 2.2.6-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.19 Components listed in Table 2.2.6-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 Instrumentation and Controls (I&C) Design Features, Displays, and Controls

4.1 Displays listed in Table 2.2.6-2—CVCS Equipment I&C and Electrical Design are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed in Table 2.2.6-2.

4.2 The CVCS equipment controls are provided in the MCR and the RSS as listed in Table 2.2.6-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.2.6-2 responds to the state requested by a test signal.

4.4 The CVCS has the following system interlocks:

- Isolation of the charging pump suction from the volume control tank and normal letdown path during a boron dilution event by closure of valves 30KBA21AA001, 30KBA21AA009, and 30KBA25AA017.

Table 2.2.6-3—Chemical and Volume Control System ITAAC (7 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.7	Deleted.	Deleted.	Deleted.
3.8	Deleted.	Deleted.	Deleted.
3.9	Deleted.	Deleted.	Deleted.
3.10	CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.11	CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For CVCS piping shown as ASME Code Section III on Figure 2.2.6-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.
3.12	Pressure boundary welds in CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 has been performed in accordance with ASME Code Section III.
3.13	CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For CVCS piping shown as ASME Code Section III on Figure 2.2.6-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.

Table 2.2.6-3—Chemical and Volume Control System ITAAC (7 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.14	CVCS piping shown as ASME Code Section III on Figure 2.2.6-1 are installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For CVCS piping shown as ASME Code Section III on Figure 2.2.6-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.15	Components listed in Table 2.2.6-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.6-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.2.6-1.~~
3.16	Components listed in Table 2.2.6-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.6-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.2.6-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~

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Table 2.2.6-3—Chemical and Volume Control System ITAAC (7 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.17	Pressure boundary welds on components listed in Table 2.2.6-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.2.6-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.18	Components listed in Table 2.2.6-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.2.6-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.19	Components listed in Table 2.2.6-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.2.6-1 have been installed in accordance with ASME Code Section III requirements.
4.1	Displays exist or can be retrieved in the MCR and the RSS as identified in Table 2.2.6-2.	Tests will be performed for the retrievability of the displays in the MCR or the RSS as listed in Table 2.2.6-2.	a. The displays listed in Table 2.2.6-2 as being retrieved in the MCR can be retrieved in the MCR. b. The displays listed in Table 2.2.6-2 as being retrieved in the RSS can be retrieved in the RSS.
4.2	Controls exist in the MCR and the RSS as identified in Table 2.2.6-2. 14.03.03-49	Tests will be performed for the existence of control signals from the MCR and the RSS to the equipment listed in Table 2.2.6-2.	a. The controls listed in Table 2.2.6-2 as being in the MCR exist in the MCR. b. The controls listed in Table 2.2.6-2 as being in the RSS exist in the RSS.

3.11 EBS piping shown as ASME Code Section III on Figure 2.2.7-1 is installed in accordance with an ASME Code Section III Design Report.

3.12 Pressure boundary welds in EBS piping shown as ASME Code Section III on Figure 2.2.7-1 are in accordance with ASME Code Section III.

3.13 EBS piping shown as ASME Code Section III on Figure 2.2.7-1 retains pressure boundary integrity at design pressure.

3.14 EBS piping shown as ASME Code Section III on Figure 2.2.7-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.15 Components listed in Table 2.2.7-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.

3.16 Components listed in Table 2.2.7-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.

3.17 Pressure boundary welds on components listed in Table 2.2.7-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.18 Components listed in Table 2.2.7-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.19 Components listed in Table 2.2.7-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 Instrumentation and Controls (I&C) Design Features, Displays, and Controls

4.1 Displays listed in Table 2.2.7-2—EBS Equipment I&C and Electrical Design are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed in Table 2.2.7-2.

4.2 The EBS equipment controls are provided in the MCR and the RSS as listed in Table 2.2.7-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.2.7-2 responds to the state requested by a test signal.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E in Table 2.2.7-2 are powered from the Class 1E division as listed in Table 2.2.7-2 in a normal or alternate feed condition.

5.2 Valves listed in Table 2.2.7-2 fail as-is on loss of power.

6.0 Environmental Qualifications

6.1 Components in Table 2.2.7-2, that are designated as harsh environment, will perform the function listed in Table 2.2.7-1 in the environments that exist during and following design basis events.

Table 2.2.7-3—Extra Borating System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
		b. Inspections will be performed of the Seismic Category I components identified in Table 2.2.7-1 to verify that the components, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).	b. Inspection reports exist and conclude that the Seismic Category I components identified in Table 2.2.7-1, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).
3.5	Deleted.	Deleted.	Deleted.
3.6	Deleted.	Deleted.	Deleted.
3.7	Deleted.	Deleted.	Deleted.
3.8	Deleted.	Deleted.	Deleted.
3.9	Deleted.	Deleted.	Deleted.
3.10	EBS piping shown as ASME Code Section III on Figure 2.2.7-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that EBS piping shown as ASME Code Section III on Figure 2.2.7-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.11	EBS piping shown as ASME Code Section III on Figure 2.2.7-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For EBS piping shown as ASME Code Section III on Figure 2.2.7-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.

Table 2.2.7-3—Extra Borating System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.12	Pressure boundary welds in EBS piping shown as ASME Code Section III on Figure 2.2.7-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for EBS piping shown as ASME Code Section III on Figure 2.2.7-1 has been performed in accordance with ASME Code Section III.
3.13	EBS piping shown as ASME Code Section III on Figure 2.2.7-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For EBS piping shown as ASME Code Section III on Figure 2.2.7-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.14	EBS piping shown as ASME Code Section III on Figure 2.2.7-1 are installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For EBS piping shown as ASME Code Section III on Figure 2.2.7-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.15	Components listed in Table 2.2.7-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.7-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.2.7-1.~~

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Table 2.2.7-3—Extra Borating System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.16	Components listed in Table 2.2.7-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.7-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.2.7-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.17	Pressure boundary welds on components listed in Table 2.2.7-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.2.7-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.18	Components listed in Table 2.2.7-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.2.7-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.19	Components listed in Table 2.2.7-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.2.7-1 have been installed in accordance with ASME Code Section III requirements.

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3.8 The new and spent fuel storage racks maintain the effective neutron multiplication factor less than the required limits during normal operations, during and after design basis seismic events, and during and after design basis dropped fuel assembly accidents.

3.9 Components listed in Table 2.2.8-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 System Inspections, Tests, Analyses, and Acceptance Criteria

Table 2.2.8-2 lists the FHS ITAAC.

Table 2.2.8-2—Fuel Handling System ITAAC (4 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.4	Components listed in Table 2.2.8-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.8-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.2.8-1.~~
3.5	Components listed in Table 2.2.8-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements. 14.03.03-49	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.2.8-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.2.8-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.6	Pressure boundary welds on components listed in Table 2.2.8-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.2.8-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.

Table 2.2.8-2—Fuel Handling System ITAAC (4 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
			• The layout of fuel storage racks in the new fuel storage vault agrees with design drawings.
3.9	Components listed in Table 2.2.8-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.2.8-1 have been installed in accordance with ASME Code Section III requirements.

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3.9 SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 is designed in accordance with ASME Code Section III requirements.

3.10 SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 is installed in accordance with an ASME Code Section III Design Report.

3.11 Pressure boundary welds in SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 are in accordance with ASME Code Section III.

3.12 SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 retains pressure boundary integrity at design pressure.

3.13 SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.14 Components listed in Table 2.3.3-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.

3.15 Components listed in Table 2.3.3-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.

3.16 Pressure boundary welds on components listed in Table 2.3.3-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.17 Components listed in Table 2.3.3-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.18 Components listed in Table 2.3.3-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 I&C Design Features, Displays and Controls

4.1 The SAHRS equipment controls are provided in the MCR as listed in Table 2.3.3-2—SAHRS Equipment I&C and Electrical Design.

4.2 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.3.3-2 responds to the state requested by a test signal.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E in Table 2.3.3-2 are powered from the Class 1E division as listed in Table 2.3.3-2 in a normal or alternate feed condition.

5.2 Valves listed in Table 2.3.3-2 fail as-is on loss of power.

6.0 Environmental Qualifications

6.1 Components in Table 2.3.3-2, that are designated as harsh environment, will perform the function listed in Table 2.3.3-1 in the environments that exist during and following design basis events.

Table 2.3.3-3—Severe Accident Heat Removal System ITAAC (5 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.6	Deleted.	Deleted.	Deleted.
3.7	Deleted.	Deleted.	Deleted.
3.8	Deleted.	Deleted.	Deleted.
3.9	SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.10	SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time history methods will be reconciled to the as-built information.~~ 14.03.03-48	For SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.
3.11	Pressure boundary welds in SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 has been performed in accordance with ASME Code Section III.
3.12	SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.

Table 2.3.3-3—Severe Accident Heat Removal System ITAAC (5 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.13	SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For SAHRS piping shown as ASME Code Section III on Figure 2.3.3-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.14	Components listed in Table 2.3.3-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.3.3-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.3.3-1.~~
3.15	Components listed in Table 2.3.3-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.3.3-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.3.3-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~

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Table 2.3.3-3—Severe Accident Heat Removal System ITAAC (5 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.16	Pressure boundary welds on components listed in Table 2.3.3-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.3.3-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.17	Components listed in Table 2.3.3-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.3.3-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.18	Components listed in Table 2.3.3-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.3.3-1 have been installed in accordance with ASME Code Section III requirements.
4.1	Controls exist in the MCR as identified in Table 2.3.3-2. 14.03.03-49	Tests will be performed for the existence of control signals from the MCR to the equipment listed in Table 2.3.3-2.	The controls listed in Table 2.3.3-2 as being in the MCR exist in the MCR.
4.2	Equipment listed as being controlled by a PACS module in Table 2.3.3-2 responds to the state requested by a test signal.	A test will be performed using test signals.	Equipment listed as being controlled by a PACS module in Table 2.3.3-2 responds to the state requested by the test signal.

3.9 Each EDG has a fuel oil storage tank.

3.10 Each EDG has a fuel oil day tank.

3.11 Each fuel oil transfer pump capacity is greater than EDG fuel oil consumption at the continuous rating.

3.12 Each EDG starting air system is capable of providing air to start the respective EDG without being recharged.

3.13 Check valves listed in Table 2.5.4-1 will function as listed in Table 2.5.4-1.

3.14 Each EDG lubricating oil system provides lubrication to the engine and turbocharger wearing parts during engine operation.

3.15 Each EDG exhaust path has a bypass exhaust path.

3.16 EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5 is designed in accordance with ASME Code Section III requirements.

3.17 EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5 is installed in accordance with an ASME Code Section III Design Report.

3.18 Pressure boundary welds in EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5 are in accordance with ASME Code Section III.

3.19 EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5 retains pressure boundary integrity at design pressure.

3.20 EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5 is installed and inspected in accordance with ASME Code Section III requirements.

3.21 Components listed in Table 2.5.4-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.

3.22 Components listed in Table 2.5.4-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.

3.23 Pressure boundary welds on components listed in Table 2.5.4-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.24 Components listed in Table 2.5.4-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.25 Components listed in Table 2.5.4-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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Table 2.5.4-4—Emergency Diesel Generator ITAAC (8 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.17	EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.
3.18	Pressure boundary welds in EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5 has been performed in accordance with ASME Code Section III.
3.19	EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.20	EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For EDG piping shown as ASME Code Section III on Figure 2.5.4-1, Figure 2.5.4-2, Figure 2.5.4-3, Figure 2.5.4-4, and Figure 2.5.4-5, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.

Table 2.5.4-4—Emergency Diesel Generator ITAAC (8 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.21	Components listed in Table 2.5.4-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements. 14.03.03-49	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.5.4-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.5.4-1.~~
3.22	Components listed in Table 2.5.4-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.5.4-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.5.4-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.23	Pressure boundary welds on components listed in Table 2.5.4-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.5.4-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.

Table 2.5.4-4—Emergency Diesel Generator ITAAC (8 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.24	Components listed in Table 2.5.4-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.5.4-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.25	Components listed in Table 2.5.4-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.5.4-1 have been installed in accordance with ASME Code Section III requirements.
4.1	Displays listed in Table 2.5.4-2 and Table 2.5.4-3 are retrievable in the MCR and RSS as listed in Table 2.5.4-2 and Table 2.5.4-3.	A test will be performed. 14.03.03-49	a. Displays listed in Table 2.5.4-2 and Table 2.5.4-3 as being retrievable in the MCR can be retrieved in the MCR. b. Displays listed in Table 2.5.4-2 and Table 2.5.4-3 as being retrievable in the RSS can be retrieved in the RSS.
4.2	EDG equipment controls are provided in the MCR and RSS as listed in Table 2.5.4-2 and Table 2.5.4-3.	A test will be performed.	a. Controls listed in Table 2.5.4-2 and Table 2.5.4-3 as being in the MCR exist in the MCR. b. Controls listed in Table 2.5.4-2 and Table 2.5.4-3 as being in the RSS exist in the RSS.
4.3	Equipment listed as being controlled by a PACS module in Table 2.5.4-2 responds to the state requested by a test signal.	A test will be performed using test signals.	Equipment listed as being controlled by a PACS module in Table 2.5.4-2 responds to the state requested by the signal.
5.1	The EDG control power is provided by the EUPS system from the respective division.	A test will be performed on each EDG system by providing a test signal in only one division.	The test signal exists in only the EDG system under test when a test signal is applied in each EDG system.

3.3 Equipment listed in Tables 2.6.8-1 and 2.6.8-2 can perform the functions listed in Tables 2.6.8-1 and 2.6.8-2 under system operating conditions.

3.4 Components identified as Seismic Category I in Tables 2.6.8-1 and 2.6.8-2 can withstand seismic design basis loads without a loss of the function listed in Tables 2.6.8-1 and 2.6.8-2.

3.5 Components listed in Table 2.6.8-2 as ASME AG-1 Code are designed in accordance with ASME AG-1 Code requirements.

3.6 Components listed in Table 2.6.8-2 as ASME AG-1 Code are fabricated in accordance with ASME AG-1 Code requirements, including welding requirements.

3.7 Components listed in Table 2.6.8-2 as ASME AG-1 Code are inspected and tested in accordance with ASME AG-1 Code requirements.

3.8 Components listed in Table 2.6.8-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.

3.9 Components listed in Table 2.6.8-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.

3.10 Pressure boundary welds on components listed in Table 2.6.8-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.11 Components listed in Table 2.6.8-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.12 Components listed in Table 2.6.8-2 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 Displays and Controls

4.1 Displays listed in Table 2.6.8-3—Containment Ventilation System Equipment I&C and Electrical Design are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed in Table 2.6.8-3.

4.2 The CBVS equipment controls that are provided in the MCR and RSS are as listed in Table 2.6.8-3.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.6.8-3 responds to the state requested by a test signal.

4.4 The CBVS provides containment pressure indication.

5.0 Electrical Power Design Features

5.1 The equipment designated as Class 1E in Table 2.6.8-3 are powered from the Class 1E division as listed in Table 2.6.8-3 in a normal or alternate feed condition.

5.2 Deleted.

Table 2.6.8-4—Containment Building Ventilation System ITAAC (5 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.8	Components listed in Table 2.6.8-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements. 14.03.03-49	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.6.8-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.6.8-1.~~
3.9	Components listed in Table 2.6.8-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.6.8-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.6.8-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.10	Pressure boundary welds on components listed in Table 2.6.8-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.6.8-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.

Table 2.6.8-4—Containment Building Ventilation System ITAAC (5 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.11	Components listed in Table 2.6.8-1 as ASME Code Section III retain their pressure boundary integrity at their design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.6.8-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.12	Components listed in Table 2.6.8-2 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.6.8-2 have been installed in accordance with ASME Code Section III requirements.
4.1	Displays listed in Table 2.6.8-3 are retrievable in the MCR and RSS as listed in Table 2.6.8-3. 14.03.03-49	Tests will be performed for the retrieve-ability of the displays in the MCR and the RSS as listed in Table 2.6.8-3.	a. The displays listed in Table 2.6.8-3 as being retrieved in the MCR can be retrieved in the MCR. b. The displays listed in Table 2.6.8-3 as being retrieved in the RSS can be retrieved in the RSS.
4.2	Controls exist in the MCR and the RSS as identified in Table 2.6.8-3.	Tests will be performed for the existence of control signals from the MCR and the RSS to the equipment listed in Table 2.6.8-3.	a. The controls listed in Table 2.6.8-3 as being in the MCR exist in the MCR. b. The controls listed in Table 2.6.8-3 as being in the RSS exist in the RSS.
4.3	Equipment listed as being controlled by a PACS module in Table 2.6.8-3 responds to the state requested by a test signal.	Tests will be performed using test signals.	Equipment listed as being controlled by a PACS module in Table 2.6.8-3 responds to the state requested by the signal.

3.0 Mechanical Design Features

3.1 Deleted.

3.2 Check valves will function as listed in Table 2.7.1-1.

3.3 Deleted.

3.4 Components identified as Seismic Category I in Table 2.7.1-1 can withstand seismic design basis loads without a loss of the function listed in Table 2.7.1-1.

3.5 Deleted.

3.6 Deleted.

3.7 Deleted.

3.8 Deleted.

3.9 CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 is designed in accordance with ASME Code Section III requirements.

3.10 CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 is installed in accordance with an ASME Code Section III Design Report.

3.11 Pressure boundary welds in CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 are in accordance with ASME Code Section III.

3.12 CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 retains pressure boundary integrity at design pressure.

3.13 CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.14 Components listed in Table 2.7.1-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.

3.15 Components listed in Table 2.7.1-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.

3.16 Pressure boundary welds on components listed in Table 2.7.1-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.17 Components listed in Table 2.7.1-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.18 Components listed in Table 2.7.1-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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Table 2.7.1-3—Component Cooling Water System ITAAC (8 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
		b. Inspections will be performed of the Seismic Category I components identified in Table 2.7.1-1 to verify that the components, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).	b. Inspection reports exist and conclude that the Seismic Category I components identified in Table 2.7.1-1, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).
3.5	Deleted.	Deleted.	Deleted.
3.6	Deleted.	Deleted.	Deleted.
3.7	Deleted.	Deleted.	Deleted.
3.8	Deleted.	Deleted.	Deleted.
3.9	CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.10	CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For CCWS piping shown as ASME Code Section III on Figure 2.7.1-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.

Table 2.7.1-3—Component Cooling Water System ITAAC (8 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.11	Pressure boundary welds in CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 has been performed in accordance with ASME Code Section III.
3.12	CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the system.	For CCWS piping shown as ASME Code Section III on Figure 2.7.1-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.13	CCWS piping shown as ASME Code Section III on Figure 2.7.1-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For as-built CCWS piping shown as ASME Code Section III on Figure 2.7.1-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.14	Components listed in Table 2.7.1-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.7.1-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.7.1-1.~~

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Table 2.7.1-3—Component Cooling Water System ITAAC (8 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.15	Components listed in Table 2.7.1-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.7.1-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.7.1-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.16	Pressure boundary welds on components listed in Table 2.7.1-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.7.1-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.17	Components listed in Table 2.7.1-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.7.1-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.18	Components listed in Table 2.7.1-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.7.1-1 have been installed in accordance with ASME Code Section III requirements.

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3.10 SCWS piping shown as ASME Code Section III on Figure 2.7.2-1 is installed in accordance with an ASME Code Section III Design Report.

3.11 Pressure boundary welds in SCWS piping shown as ASME Code Section III on Figure 2.7.2-1 are in accordance with ASME Code Section III.

3.12 SCWS piping shown as ASME Code Section III on Figure 2.7.2-1 retains pressure boundary integrity at design pressure.

3.13 SCWS piping shown as ASME Code Section III on Figure 2.7.2-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.14 Components listed in Table 2.7.2-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.

3.15 Components listed in Table 2.7.2-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.

3.16 Pressure boundary welds on components listed in Table 2.7.2-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.17 Components listed in Table 2.7.2-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.18 Components listed in Table 2.7.2-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

14.03.03-49

4.0 I&C Design Features, Displays and Controls

4.1 Displays listed in Table 2.7.2-2—Safety Chilled Water System Equipment I&C and Electrical Design are retrievable in the MCR and the remote shutdown station (RSS) as listed in Table 2.7.2-2.

4.2 The SCWS equipment controls are provided in the MCR and the RSS as listed in Table 2.7.2-2.

4.3 Deleted

4.4 The SCWS has the following interlocks with Division 1 and 2 or Division 3 and 4 cross-tied: The non running division chiller and pump(s) automatically start if the running division chiller or pumps(s) trip.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E in Table 2.7.2-2 are powered from Class 1E division as listed in Table 2.7.2-2 in a normal or alternate feed condition.

5.2 Valves listed in Table 2.7.2-2 fail as-is on loss of power.

Table 2.7.2-3—Safety Chilled Water System ITAAC (6 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.5	Deleted.	Deleted.	Deleted.
3.6	Deleted.	Deleted.	Deleted.
3.7	Deleted.	Deleted.	Deleted.
3.8	Deleted.	Deleted.	Deleted.
3.9	SCWS piping shown as ASME Code Section III on Figure 2.7.2-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that SCWS piping shown as ASME Code Section III on Figure 2.7.2-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.10	SCWS piping shown as ASME Code Section III on Figure 2.7.2-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For SCWS piping shown as ASME Code Section III on Figure 2.7.2-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.
3.11	Pressure boundary welds in SCWS piping shown as ASME Code Section III on Figure 2.7.2-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for SCWS piping shown as ASME Code Section III on Figure 2.7.2-1 has been performed in accordance with ASME Code Section III.
3.12	SCWS piping shown as ASME Code Section III on Figure 2.7.2-1 retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For SCWS piping shown as ASME Code Section III on Figure 2.7.2-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.

Table 2.7.2-3—Safety Chilled Water System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.13	SCWS piping shown as ASME Code Section III on Figure 2.7.2-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For SCWS piping shown as ASME Code Section III on Figure 2.7.2-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.14	Components listed in Table 2.7.2-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements. 14.03.03-49	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.7.2-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.7.2-1.~~
3.15	Components listed in Table 2.7.2-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.7.2-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.7.2-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.16	Pressure boundary welds on components listed in Table 2.7.2-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.7.2-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.

Table 2.7.2-3—Safety Chilled Water System ITAAC
(6 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.17	Components listed in Table 2.7.2-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.7.2-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.18	Components listed in Table 2.7.2-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.7.2-1 have been installed in accordance with ASME Code Section III requirements.
4.1	Displays exist or can be retrieved in the MCR and RSS as identified in Table 2.7.2-2. 14.03.03-49	Tests will be performed for the retrievability of the displays in the MCR or the RSS as listed in Table 2.7.2-2.	a. The displays listed in Table 2.7.2-2 as being retrieved in the MCR can be retrieved in the MCR. b. The displays listed in Table 2.7.2-2 as being retrieved in the RSS can be retrieved in the RSS.
4.2	Controls exist in the MCR and the RSS as identified in Table 2.7.2-2.	Test will be performed for the existence of control signals from the MCR and the RSS to the equipment listed in Table 2.7.2-2.	a. The controls listed in Table 2.7.2-2 as being in the MCR exist in the MCR. b. The controls listed in Table 2.7.2-2 as being in the RSS exist in the RSS.
4.3	Deleted.	Deleted.	Deleted.
4.4	The SCWS has the following interlocks with Division 1 and 2 or Division 3 and 4 cross-tied: The non running division chiller and pump(s) automatically start if the running division chiller or pumps(s) trip.	Tests will be performed using test signals to verify the interlock.	The following interlock responds as specified below when activated by a test signal: With Division 1 and 2 or Division 3 and 4 cross-tied: The non running division chiller and pump(s) automatically start if the running division chiller or pumps(s) trip.

3.7 Components listed in Table 2.7.5-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

14.03.03-49

4.0 I&C Design Features, Displays and Controls

4.1 Displays listed in Table 2.7.5-2—Fire Water Distribution System Equipment I&C and Electrical Design are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed in Table 2.7.5-2.

4.2 The FWDS equipment controls are provided in the MCR and the RSS as listed in Table 2.7.5-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.7.5-2 responds to the state requested by a test signal.

4.4 The as-built fire water distribution system is consistent with the post-fire safe shutdown analysis.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E in Table 2.7.5-2 are powered from the Class 1E division as listed in Table 2.7.5-2 in a normal or alternate feed condition.

5.2 Valves listed in Table 2.7.5-2 fail as-is on loss of power.

6.0 Environmental Qualifications

6.1 Components in Table 2.7.5-2, that are designated as harsh environment, will perform the function listed in Table 2.7.5-1 in the environments that exist during and following design basis events.

7.0 Equipment and System Performance

7.1 The FWDS includes two separate fresh water storage tanks.

7.2 The FWDS pumps consist of at least one electric motor-driven pump and one diesel engine-driven pump.

7.3 FWDS pumps have net positive suction head available (NPSHA) that is greater than net positive suction head required (NPSHR) at system run-out flow.

7.4 Class 1E valves listed in Table 2.7.5-2 can perform the function listed in Table 2.7.5-1 under system operating conditions.

7.5 The FWDS provides for flow testing of FWDS pumps during plant operation.

7.6 Containment isolation valves listed in Table 2.7.5-1 close within the containment isolation response time following initiation of a containment isolation signal.

7.7 The standpipe and hose systems in areas containing systems and components required for safe plant shutdown in the event of a safe shutdown earthquake (SSE), including the

Table 2.7.5-3—Fire Water Distribution System ITAAC (5 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.3	Components listed in Table 2.7.5-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements. 14.03.03-49	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.7.5-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.7.5-1.~~
3.4	Components listed in Table 2.7.5-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.7.5-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.7.5-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.5	Pressure boundary welds on components listed in Table 2.7.5-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.7.5-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.

Table 2.7.5-3—Fire Water Distribution System ITAAC (5 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.6	Components listed in Table 2.7.5-1 as ASME Code Section III retain their pressure boundary integrity at their design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.7.5-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.7	Components listed in Table 2.7.5-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.7.5-1 have been installed in accordance with ASME Code Section III requirements.
4.1	Displays listed in Table 2.7.5-2 are retrievable in the MCR and the RSS as listed in Table 2.7.5-2. 14.03.03-49	Tests will be performed for the retrievability of the displays in the MCR or the RSS as listed in Table 2.7.5-2.	a. The displays listed in Table 2.7.5-2 as being retrieved in the MCR can be retrieved in the MCR. b. The displays listed in Table 2.7.5-2 as being retrieved in the RSS can be retrieved in the RSS.
4.2	The FWDS equipment controls are provided in the MCR and the RSS as listed in Table 2.7.5-2.	Tests will be performed on control signals from the MCR and the RSS to the equipment listed in Table 2.7.5-2.	a. The controls listed in Table 2.7.5-2 as being in the MCR exist in the MCR. b. The controls listed in Table 2.7.5-2 as being in the RSS exist in the RSS.
4.3	Equipment listed as being controlled by a PACS module in Table 2.7.5-2 responds to the state requested by a test signal.	A test will be performed using test signals.	Equipment listed as being controlled by a PACS module in Table 2.7.5-2 responds to the state requested by the test signal.
4.4	The as-built fire water distribution system is consistent with the post-fire safe shutdown analyses.	An inspection will be performed.	An inspection report documents that the as-built fire water distribution system is consistent with the post-fire safe shutdown analysis.

3.11	Deleted.
3.12	ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 is designed in accordance with ASME Code Section III requirements.
3.13	ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 is installed in accordance with an ASME Code Section III Design Report.
3.14	Pressure boundary welds in ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 are in accordance with ASME Code Section III.
3.15	ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 retains pressure boundary integrity at design pressure.
3.16	ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 is installed and inspected in accordance with ASME Code Section III requirements.
3.17	Components listed in Table 2.7.11-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 I&C Design Features, Displays and Controls

4.1	Displays listed in Table 2.7.11-2— Essential Service Water System Equipment I&C and Electrical Design are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed in Table 2.7.11-2.
4.2	The ESWS equipment controls are provided in the MCR and the RSS as listed in Table 2.7.11-2.
4.3	Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.7.11-2 responds to the state requested by a test signal.
4.4	If one ESWS pump (30PEB10/20/30/40 AP001) fails during normal operation, a switchover to the other ESWS train is carried out automatically for the entire cooling train and is initiated by the CCWS Switchover sequence.
4.5	A spurious closure of the ESWS pump discharge valve (30PEB10/20/30/40 AA005) results in a switchover to the other ESWS train automatically for the entire cooling train and is initiated by the CCWS Switchover sequence.
4.6	Deleted.
4.7	Deleted.

5.0 Electrical Power Design Features

5.1	The components designated as Class 1E in Table 2.7.11-2 are powered from the Class 1E division as listed in Table 2.7.11-2 in a normal or alternate feed condition.
5.2	Valves listed in Table 2.7.11-2 fail as-is on loss of power.
5.3	Deleted.

Table 2.7.11-3—Essential Service Water System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
		b. Inspections will be performed of the Seismic Category I components identified in Table 2.7.11-1 to verify that the components, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).	b. Inspection reports exist and conclude that the Seismic Category I components identified in Table 2.7.11-1, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).
3.5	Components listed in Table 2.7.11-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.7.11-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.7.11-1.~~
3.6	Components listed in Table 2.7.11-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.7.11-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.7.11-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~

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Table 2.7.11-3—Essential Service Water System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.7	Pressure boundary welds on components listed in Table 2.7.11-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.7.11-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.8	Components listed in Table 2.7.11-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.7.11-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.9	Deleted.	Deleted.	Deleted.
3.10	Deleted.	Deleted.	Deleted.
3.11	Deleted.	Deleted.	Deleted.
3.12	ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.13	ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For ESWS piping shown as ASME Code Section III on Figure 2.7.11-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.

Table 2.7.11-3—Essential Service Water System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.14	Pressure boundary welds in ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 has been performed in accordance with ASME Code Section III.
3.15	ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For ESWS piping shown as ASME Code Section III on Figure 2.7.11-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.16	ESWS piping shown as ASME Code Section III on Figure 2.7.11-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For ESWS piping shown as ASME Code Section III on Figure 2.7.11-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.17	Components listed in Table 2.7.11-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.7.11-1 have been installed in accordance with ASME Code Section III requirements.
4.1	Displays exist or can be retrieved in the MCR and the RSS as identified in Table 2.7.11-2. 14.03.03-49	Tests will be performed for the retrievability of the displays in the MCR or the RSS as listed in Table 2.7.11-2.	a. The displays listed in Table 2.7.11-2 as being retrieved in the MCR can be retrieved in the MCR. b. The displays listed in Table 2.7.11-2 as being retrieved in the RSS can be retrieved in the RSS.

3.7 Components listed in Table 2.8.2-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.8 MSS piping shown as ASME Code Section III on Figure 2.8.2-1 are designed in accordance with ASME Code Section III requirements.

3.9 MSS piping shown as ASME Code Section III on Figure 2.8.2-1 are installed in accordance with an ASME Code Section III Design Report.

3.10 Pressure boundary welds in MSS piping shown as ASME Code Section III on Figure 2.8.2-1 are in accordance with ASME Code Section III.

3.11 MSS piping shown as ASME Code Section III on Figure 2.8.2-1 retain pressure boundary integrity at design pressure.

3.12 MSS piping shown as ASME Code Section III on Figure 2.8.2-1 are installed and inspected in accordance with ASME Code Section III requirements.

3.13 Components listed in Table 2.8.2-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 Instrumentation and Controls (I&C) Design Features, Displays, and Controls

4.1 Displays listed in Table 2.8.2-2—MSS Equipment I&C and Electrical Design are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed in Table 2.8.2-2.

4.2 The MSS equipment controls are provided in the MCR and the RSS as listed in Table 2.8.2-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.8.2-2 responds to the state requested by a test signal.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E in Table 2.8.2-2 are powered from the Class 1E division as listed in Table 2.8.2-2 in a normal or alternate feed condition.

5.2 Each main steam relief isolation valve fails closed on loss of electric power to the valve actuator.

5.3 Each MSIV fails closed on loss of hydraulic pressure or loss of electric power to the valve actuator.

5.4 Each turbine bypass valve fails closed on loss of power to the valve actuator.

5.5 Each main steam relief control valve, main steam warming isolation valve, and main steam warming control valve fails as-is on loss of electric power to the valve actuator.

Table 2.8.2-3—Main Steam System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.4	Components listed in Table 2.8.2-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements. 14.03.03-49	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.8.2-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.8.2-1.~~
3.5	Components listed in Table 2.8.2-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.8.2-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.8.2-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.6	Pressure boundary welds on components listed in Table 2.8.2-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.8.2-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.7	Components listed in Table 2.8.2-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.8.2-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.

Table 2.8.2-3—Main Steam System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.8	MSS piping shown as ASME Code Section III on Figure 2.8.2-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that MSS piping shown as ASME Code Section III on Figure 2.8.2-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.9	MSS piping shown as ASME Code Section III on Figure 2.8.2-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For MSS piping shown as ASME Code Section III on Figure 2.8.2-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.
3.10	Pressure boundary welds in MSS piping shown as ASME Code Section III on Figure 2.8.2-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for MSS piping shown as ASME Code Section III on Figure 2.8.2-1 has been performed in accordance with ASME Code Section III.
3.11	MSS piping shown as ASME Code Section III on Figure 2.8.2-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For MSS piping shown as ASME Code Section III on Figure 2.8.2-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.12	MSS piping shown as ASME Code Section III on Figure 2.8.2-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For MSS piping shown as ASME Code Section III on Figure 2.8.2-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.

Table 2.8.2-3—Main Steam System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.13	Components listed in Table 2.8.2-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.8.2-1 have been installed in accordance with ASME Code Section III requirements.
4.1	Displays exist or can be retrieved in the MCR and the RSS as identified in Table 2.8.2-2. 14.03.03-49	Tests will be performed for the retrieveability of the displays in the MCR or the RSS as listed in Table 2.8.2-2.	a. The displays listed in Table 2.8.2-2 as being retrieved in the MCR can be retrieved in the MCR. b. The displays listed in Table 2.8.2-2 as being retrieved in the RSS can be retrieved in the RSS.
4.2	Controls exist in the MCR and the RSS as identified in Table 2.8.2-2.	Tests will be performed for the existence of control signals from the MCR and the RSS to the equipment listed in Table 2.8.2-2.	a. The controls listed in Table 2.8.2-2 as being in the MCR exist in the MCR. b. The controls listed in Table 2.8.2-2 as being in the RSS exist in the RSS.
4.3	Equipment listed as being controlled by a PACS module in Table 2.8.2-2 responds to the state requested by a test signal.	A test will be performed using test signals.	Equipment listed as being controlled by a PACS module in Table 2.8.2-2 responds to the state requested by the test signal.
5.1	The components designated as Class 1E in Table 2.8.2-2 are powered from the Class 1E division as listed in Table 2.8.2-2 in a normal or alternate feed condition.	a. Testing will be performed for components designated as Class 1E in Table 2.8.2-2 by providing a test signal in each normally aligned division. b. Testing will be performed for components designated as Class 1E in Table 2.8.2-2 by providing a test signal in each division with the alternate feed aligned to the divisional pair.	a. The test signal provided in the normally aligned division is present at the respective Class 1E component identified in Table 2.8.2-2. b. The test signal provided in each division with the alternate feed aligned to the divisional pair is present at the respective Class 1E component identified in Table 2.8.2-2.

3.7 Pressure boundary welds on components listed in Table 2.8.6-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.

3.8 Components listed in Table 2.8.6-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.9 MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 is designed in accordance with ASME Code Section III requirements.

3.10 MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 is installed in accordance with an ASME Code Section III Design Report.

3.11 Pressure boundary welds in MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 are in accordance with ASME Code Section III.

3.12 MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 retains pressure boundary integrity at design pressure.

3.13 MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.14 Components listed in Table 2.8.6-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 Instrumentation and Control (I&C) Design Features, Displays, and Controls

4.1 Displays listed in Table 2.8.6-2—MFWS Equipment I&C and Electrical Design are retrievable in the main control room (MCR) as listed in Table 2.8.6-2.

4.2 The MFWS equipment controls are provided in the MCR as listed in Table 2.8.6-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.8.6-2 responds to the state requested by a test signal.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E in Table 2.8.6-2 are powered from the Class 1E division as listed in Table 2.8.6-2 in a normal or alternate feed condition.

5.2 The main feedwater full load isolation valves (MFWFLIV) fail closed on loss of hydraulic pressure to the valve actuator.

5.3 Valves listed in Table 2.8.6-2, other than the MFWFLIVs, fail as-is on loss of electric power to the valve actuator.

6.0 Environmental Qualifications

6.1 Components in Table 2.8.6-2, that are designated as harsh environment, will perform the function listed in Table 2.8.6-1 in the environments that exist during and following design basis events.

Table 2.8.6-3— Main Feedwater System ITAAC (5 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
		b. Inspections will be performed of the Seismic Category I components identified in Table 2.8.6-1 to verify that the components, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).	b. Inspection reports exist and conclude that the Seismic Category I components identified in Table 2.8.6-1, including anchorage, are installed as specified on the construction drawings and deviations have been reconciled to the seismic qualification reports (SQDP, EQDP, or analyses).
3.5	Components listed in Table 2.8.6-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.8.6-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.8.6-1.~~
3.6	Components listed in Table 2.8.6-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.8.6-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.8.6-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~

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Table 2.8.6-3— Main Feedwater System ITAAC (5 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.7	Pressure boundary welds on components listed in Table 2.8.6-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.8.6-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.8	Components listed in Table 2.8.6-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.8.6-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.9	MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.10	MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For MFWS piping shown as ASME Code Section III on Figure 2.8.6-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.
3.11	Pressure boundary welds in MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 has been performed in accordance with ASME Code Section III.

Table 2.8.6-3— Main Feedwater System ITAAC (5 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.12	MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For MFWS piping shown as ASME Code Section III on Figure 2.8.6-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.13	MFWS piping shown as ASME Code Section III on Figure 2.8.6-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For MFWS piping shown as ASME Code Section III on Figure 2.8.6-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.14	Components listed in Table 2.8.6-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.8.6-1 have been installed in accordance with ASME Code Section III requirements.
4.1	Displays exist or can be retrieved in the MCR as identified in Table 2.8.6-2.	Tests will be performed for the retrievability of the displays in the MCR as listed in Table 2.8.6-2.	The displays listed in Table 2.8.6-2 as being retrieved in the MCR can be retrieved in the MCR.
4.2	Controls exist in the MCR as identified in Table 2.8.6-2.	Tests will be performed for the existence of control signals from the MCR to the equipment listed in Table 2.8.6-2.	The controls listed in Table 2.8.6-2 as being in the MCR exist in the MCR.
4.3	Equipment listed as being controlled by a PACS module in Table 2.8.6-2 responds to the state requested by a test signal.	A test will be performed using test signals.	Equipment listed as being controlled by a PACS module in Table 2.8.6-2 responds to the state requested by the test signal.
5.1	The components designated as Class 1E in Table 2.8.6-2 are powered from the Class 1E division as listed in Table 2.8.6-2 in a normal or alternate feed condition.	a. Testing will be performed for components designated as Class 1E in Table 2.8.6-2 by providing a test signal in each normally aligned division.	a. The test signal provided in the normally aligned division is present at the respective Class 1E component identified in Table 2.8.6-2.

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3.7 Components listed in Table 2.8.7-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.8 SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 is designed in accordance with ASME Code Section III requirements.

3.9 SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 is installed in accordance with an ASME Code Section III Design Report.

3.10 Pressure boundary welds in SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 are in accordance with ASME Code Section III.

3.11 SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 retains pressure boundary integrity at design pressure.

3.12 SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 is installed and inspected in accordance with ASME Code Section III requirements.

3.13 Components listed in Table 2.8.7-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 Instrumentation and Controls (I&C) Design Features, Displays, and Controls

4.1 Displays listed in Table 2.8.7-2—SGBS Equipment I&C and Electrical Design are retrievable in the main control room (MCR) and the remote shutdown station (RSS) as listed in Table 2.8.7-2.

4.2 SGBS equipment controls are provided in the MCR and the RSS as listed in Table 2.8.7-2.

4.3 Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 2.8.7-2 responds to the state requested by a test signal.

4.4 SGBS blowdown isolation valves listed in Table 2.8.7-2 close for the affected SG under the following signals:

- EFW actuation signal, or
- High main steam activity signal with a partial cooldown signal, or,
- High SG level signal with a partial cooldown signal, or
- High SGBS blowdown activity signal with a partial cooldown signal.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E in Table 2.8.7-2 are powered from the Class 1E division as listed in Table 2.8.7-2 in a normal or alternate feed condition.

5.2 Valves listed in Table 2.8.7-2 fail as-is on loss of power.

Table 2.8.7-3—Steam Generator Blowdown System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.4	Components listed in Table 2.8.7-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.8.7-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.8.7-1.~~
3.5	Components listed in Table 2.8.7-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements. 14.03.03-49	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.8.7-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.8.7-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.6	Pressure boundary welds on components listed in Table 2.8.7-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.8.7-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.

Table 2.8.7-3—Steam Generator Blowdown System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.7	Components listed in Table 2.8.7-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.8.7-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.8	SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3550) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3550) exist and conclude that SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.9	SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For SGBS piping shown as ASME Code Section III on Figure 2.8.7-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.
3.10	Pressure boundary welds in SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 has been performed in accordance with ASME Code Section III.

Table 2.8.7-3—Steam Generator Blowdown System ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.11	SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the system.	For SGBS piping shown as ASME Code Section III on Figure 2.8.7-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.12	SGBS piping shown as ASME Code Section III on Figure 2.8.7-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For as-built SGBS piping shown as ASME Code Section III on Figure 2.8.7-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.13	Components listed in Table 2.8.7-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.8.7-1 have been installed in accordance with ASME Code Section III requirements.
4.1	Displays exist or can be retrieved in the MCR and the RSS as identified in Table 2.8.7-2. 14.03.03-49	Tests will be performed for the retrieveability of the displays in the MCR or the RSS as listed in Table 2.8.7-2.	a. The displays listed in Table 2.8.7-2 as being retrieved in the MCR can be retrieved in the MCR. b. The displays listed in Table 2.8.7-2 as being retrieved in the RSS can be retrieved in the RSS.
4.2	Controls exist in the MCR and the RSS as identified in Table 2.8.7-2.	Tests will be performed for the existence of control signals from the MCR and the RSS to the equipment listed in Table 2.8.7-2.	a. The controls listed in Table 2.8.7-2 as being in the MCR exist in the MCR. b. The controls listed in Table 2.8.7-2 as being in the RSS exist in the RSS.

3.10 Components listed in Table 2.9.3-1 as ASME Code Section III retain pressure boundary integrity at design pressure.

3.11 Components listed in Table 2.9.3-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 Instrumentation and Controls (I&C) Design Features, Displays, and Controls

4.1 Displays listed in Table 2.9.3-2—GWPS Equipment I&C and Electrical Design are retrievable in the main control room (MCR) as listed in Table 2.9.3-2.

4.2 The GWPS equipment controls are provided in the MCR as listed in Table 2.9.3-2.

5.0 Electrical Power Design Features

5.1 The components designated as Class 1E in Table 2.9.3-2 are powered from the Class 1E division as listed in Table 2.9.3-2 in a normal or alternate feed condition.

6.0 Environmental Qualifications

6.1 Components in Table 2.9.3-2, that are designated as harsh environment, will perform the function listed in Table 2.9.3-1 in the environments that exist during and following design basis events.

7.0 Equipment and System Performance

7.1 The GWPS contains delay beds with activated charcoal.

7.2 The GWPS discharge valve closes upon receipt of a high-radiation signal from the activity monitor downstream of the delay beds.

7.3 Containment isolation valves listed in Table 2.9.3-1 close within the containment isolation response time following initiation of a containment isolation signal.

8.0 Inspections, Tests, Analyses, and Acceptance Criteria

Table 2.9.3-3 lists the gaseous waste processing system ITAAC.

Table 2.9.3-3—Gaseous Waste Processing System ITAAC (5 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.3	GWPS piping shown as ASME Code Section III on Figure 2.9.3-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3550) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For GWPS piping shown as ASME Code Section III on Figure 2.9.3-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.
3.4	Pressure boundary welds in GWPS piping shown as ASME Code Section III on Figure 2.9.3-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for GWPS piping shown as ASME Code Section III on Figure 2.9.3-1 has been performed in accordance with ASME Code Section III.
3.5	GWPS piping shown as ASME Code Section III on Figure 2.9.3-1 retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For GWPS piping shown as ASME Code Section III on Figure 2.9.3-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.6	GWPS piping shown as ASME Code Section III on Figure 2.9.3-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For GWPS piping shown as ASME Code Section III on Figure 2.9.3-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.

Table 2.9.3-3—Gaseous Waste Processing System ITAAC (5 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.7	Components listed in Table 2.9.3-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.9.3-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 2.9.3-1.~~
3.8	Components listed in Table 2.9.3-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 2.9.3-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 2.9.3-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~
3.9	Pressure boundary welds on components listed in Table 2.9.3-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 2.9.3-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.

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Table 2.9.3-3—Gaseous Waste Processing System ITAAC (5 Sheets)

14.03.03-49

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.10	Components listed in Table 2.9.3-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 2.9.3-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.11	Components listed in Table 2.9.3-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 2.9.3-1 have been installed in accordance with ASME Code Section III requirements.
4.1	Displays listed in Table 2.9.3-2 are retrievable in the MCR as listed in Table 2.9.3-2.	Tests will be performed for the retrieveability of the displays in the MCR as listed in Table 2.9.3-2.	The displays listed in Table 2.9.3-2 as being retrieved in the MCR can be retrieved in the MCR.
4.2	The GWPS equipment controls are provided in the MCR as listed in Table 2.9.3-2.	Tests will be performed for the existence of control signals from the MCR to the equipment listed in Table 2.9.3-2.	The controls listed in Table 2.9.3-2 as being in the MCR exist in the MCR.
5.1	The components designated as Class 1E in Table 2.9.3-2 are powered from the Class 1E division as listed in Table 2.9.3-2 in a normal or alternate feed condition.	a. Testing will be performed for components designated as Class 1E in Table 2.9.3-2 by providing a test signal in each normally aligned division. b. Testing will be performed for components designated as Class 1E in Table 2.9.3-2 by providing a test signal in each division with the alternate feed aligned to the divisional pair.	a. The test signal provided in the normally aligned division is present at the respective Class 1E component identified in Table 2.9.3-2. b. The test signal provided in each division with the alternate feed aligned to the divisional pair is present at the respective Class 1E component identified in Table 2.9.3-2.
6.1	Components in Table 2.9.3-2, that are designated as harsh environment, will perform the function listed	a. Type tests or type tests and analysis will be performed to demonstrate the ability of the components listed as	a. Environmental Qualification Data Packages (EQDP) exist and conclude that the

3.10	Containment isolation piping shown as ASME Code Section III on Figure 3.5-1 retains pressure boundary integrity at design pressure.
3.11	Containment isolation piping shown as ASME Code Section III on Figure 3.5-1 is installed and inspected in accordance with ASME Code Section III requirements.
3.12	Components listed in Table 3.5-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.
3.13	Components listed in Table 3.5-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.
3.14	Pressure boundary welds on components listed in Table 3.5-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.
3.15	Components listed in Table 3.5-1 as ASME Code Section III retain pressure boundary integrity at design pressure.
3.16	Components listed in Table 3.5-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.

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4.0 I&C Design Features, Displays and Controls

4.1	Displays listed in Table 3.5-2—Containment Isolation Equipment I&C and Electrical Design are retrievable in the main control room (MCR) as listed in Table 3.5-2.
4.2	The containment isolation equipment controls are provided in the MCR as listed in Table 3.5-2.
4.3	Equipment listed as being controlled by a priority and actuator control system (PACS) module in Table 3.5-2 responds to the state requested by a test signal.

5.0 Electrical Power Design Features

5.1	The components designated as Class 1E in Table 3.5-2 are powered from the Class 1E division as listed in Table 3.5-2 in a normal or alternate feed condition.
5.2	Valves listed in Table 3.5-2 fail as-is on loss of power.
5.3	Containment electrical penetrations routing Class 1E cables have only Class 1E cables or associated cables.
5.4	Separation exists between containment electrical penetration assemblies routing each division of Class 1E cables, and between assemblies containing Class 1E and non-Class 1E cables.
5.5	Containment electrical penetrations are protected from fault currents that are greater than continuous current rating.

Table 3.5-3—Containment Isolation ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.6	Deleted.	Deleted.	Deleted.
3.7	containment isolation piping shown as ASME Code Section III on Figure 3.5-1 is designed in accordance with ASME Code Section III requirements.	Inspections of the ASME Code Section III Design Reports (NCA-3350) and associated reference documents will be performed. **{{DAC}}**	ASME Code Section III Design Reports (NCA-3350) exist and conclude that containment isolation piping shown as ASME Code Section III on Figure 3.5-1 complies with ASME Code Section III requirements. **{{DAC}}**
3.8	containment isolation piping shown as ASME Code Section III on Figure 3.5-1 is installed in accordance with an ASME Code Section III Design Report.	Analyses to reconcile as-built deviations to the ASME Code Design Reports (NCA-3350) will be performed. ~~Piping analyzed using time-history methods will be reconciled to the as-built information.~~ 14.03.03-48	For containment isolation piping shown as ASME Code Section III on Figure 3.5-1, ASME Code Data Reports (N-5) exist and conclude that design reconciliation (NCA-3554) has been completed in accordance with the ASME Code Section III for the as-built system. The report(s) document the as-built condition.
3.9	Pressure boundary welds in containment isolation piping shown as ASME Code Section III on Figure 3.5-1 are in accordance with ASME Code Section III.	Inspections of pressure boundary welds verify that welding is performed in accordance with ASME Code Section III requirements.	ASME Code Section III Data Reports exist and conclude that pressure boundary welding for containment isolation piping shown as ASME Code Section III on Figure 3.5-1 has been performed in accordance with ASME Code Section III.
3.10	containment isolation piping shown as ASME Code Section III on Figure 3.5-1 retains pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the as-built system.	For containment isolation piping shown as ASME Code Section III on Figure 3.5-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.

Table 3.5-3—Containment Isolation ITAAC (6 Sheets)

Commitment Wording		Inspections, Tests, Analyses	Acceptance Criteria
3.11	containment isolation piping shown as ASME Code Section III on Figure 3.5-1 is installed and inspected in accordance with ASME Code Section III requirements.	An inspection of the as-built piping will be performed.	For containment isolation piping shown as ASME Code Section III on Figure 3.5-1, N–5 Data Reports exist and conclude that installation and inspection are in accordance with ASME Code Section III requirements.
3.12	Components listed in Table 3.5-1 as ASME Code Section III are designed in accordance with ASME Code Section III requirements.	Inspections of ASME Code Section III Design Reports and associated reference documents will be performed.~~Inspections will be performed for the existence of ASME Code Section III Design Reports.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 3.5-1 comply with ASME Code Section III requirements.~~ASME Code Section III Design Reports (NCA-3550) exist for components listed as ASME Code Section III in Table 3.5-1.~~
3.13	Components listed in Table 3.5-1 as ASME Code Section III are fabricated in accordance with ASME Code Section III requirements.	An analysis will be performed to verify that deviations to the component design reports (NCA-3550) have been reconciled.~~Inspections will be performed to verify that the design report has been revised to reflect as-built deviations from the design if applicable.~~	ASME Code Section III Design Reports (NCA-3550) exist and conclude that components listed as ASME Code Section III in Table 3.5-1 comply with ASME Code Section III requirements and any deviations to the design report have been reconciled.~~For components listed as ASME Code Section III in Table 3.5-1, the as-built component satisfies design requirements of ASME Code Section III as demonstrated in the Design Report (NCA-3550).~~

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Table 3.5-3—Containment Isolation ITAAC (6 Sheets)

	Commitment Wording	Inspections, Tests, Analyses	Acceptance Criteria
3.14	Pressure boundary welds on components listed in Table 3.5-1 as ASME Code Section III are in accordance with ASME Code Section III requirements.	Inspections of pressure boundary welds will be performed to verify that welding is performed in accordance with ASME Code Section III requirements.	For components listed as ASME Code Section III in Table 3.5-1, ASME Code Section III Data Reports (NCA-8000) exist and conclude that pressure boundary welding has been performed in accordance with ASME Code Section III.
3.15	Components listed in Table 3.5-1 as ASME Code Section III retain pressure boundary integrity at design pressure.	Hydrostatic tests will be performed on the components.	For components listed as ASME Code Section III in Table 3.5-1, ASME Code Section III Data Reports exist and conclude that hydrostatic test results comply with ASME Code Section III requirements.
3.16	Components listed in Table 3.5-1 as ASME Code Section III are installed in accordance with ASME Code Section III requirements.	An inspection of ASME Code Data Reports will be performed.	ASME Code Section III N-5 Data Reports exist and conclude that components listed as ASME Code Section III in Table 3.5-1 have been installed in accordance with ASME Code Section III requirements.
4.1	Displays exist or can be retrieved in the MCR as identified in Table 3.5-2. 14.03.03-49	Inspections will be performed for the existence or retrievability of the displays in the MCR as listed in Table 3.5-2.	The displays listed in Table 3.5-2 as being retrieved in the MCR can be retrieved in the MCR.
4.2	The containment isolation equipment controls are provided in the MCR as listed in Table 3.5-2.	Tests will be performed for the existence of control signals from the MCR to the equipment listed in Table 3.5-2.	The containment isolation equipment controls are provided in the MCR as listed in Table 3.5-2.
4.3	Equipment listed as being controlled by a PACS module in Table 3.5-2 responds to the state requested by a test signal.	A test will be performed using test signals.	Equipment listed as being controlled by a PACS module in Table 3.5-2 responds to the state requested by the test signal.