

ESBWR DCD Tier 2 Chapter 7
26A6642AW Revision 5 to Revision 6 Change List

Item	Location	Description of Change
1.	Entire Chapter	Global chapter editorial changes to correct misspelling and grammar, spell out or integrate acronyms where appropriate, and update references as needed and where required.
2.	Entire Chapter	<p>Revised 10 CFRs titles per NRC documentation;</p> <p>10 CFR 50.34(f) Additional TMI-related requirements</p> <p>10 CFR 50.34(f)(1)(v)[II.K.3.13] High pressure coolant injection (HPCI) and reactor core isolation cooling (RCIC) initiation levels</p> <p>10 CFR 50.34(f)(1)(x)[II.K.3.28] Automatic Depressurization System, associated equipment and instrumentation functioning</p> <p>10 CFR 50.34(f)(2)(iii)[I.D.1] Human factors engineering principles applied to control room design</p> <p>10 CFR 50.34(f)(2)(iv)[I.D.2] Plant safety parameter display requirements</p> <p>10 CFR 50.34(f)(2)(v)[I.D.3] Bypass and operable automatic status indication of safety systems</p> <p>10 CFR 50.34(f)(2)(viii)[II.B.3] Capability to obtain and analyze samples from the reactor coolant system and containment</p> <p>10 CFR 50.34(f)(2)(x)[II.D.1] Reactor coolant system relief and safety valves test program requirements</p>

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		<p>10 CFR 50.34(f)(2)(xi)[II.D.3] Reactor coolant system relief and safety valves position (open or closed) indication requirements</p> <p>10 CFR 50.34(f)(2)(xiv)[II.E.4.2] Containment isolation systems requirements</p> <p>10 CFR 50.34(f)(2)(xix)[II.F.3] Post-core damage accident plant condition monitoring requirements</p> <p>10 CFR 50.34(f)(2)(xv)[II.E.4.4] Containment purge/venting system response time and isolation requirements under accident conditions</p> <p>10 CFR 50.34(f)(2)(xvii)[II.F.1] Accident monitoring instrumentation and control room display requirements</p> <p>10 CFR 50.34(f)(2)(xviii)[II.F.2] Inadequate core cooling instrumentation and control room indication requirements</p> <p>10 CFR 50.34(f)(2)(xxi)[II.K.1.22] Auxiliary heat removal systems functional requirements under conditions when main feedwater system is not operable</p> <p>10 CFR 50.34(f)(2)(xxiii)[II.K.2.10] Anticipatory reactor protection system trip requirements under conditions of loss of main feedwater and on turbine trip</p> <p>10 CFR 50.34(f)(2)(xxiv)[II.K.3.23] Reactor vessel water level measurement requirement under normal post-accident conditions</p> <p>10 CFR 50.34(f)(2)(xxvi)[III.D.1.1]</p>

Item	Location	Description of Change
		<p>Leakage control and detection requirements in systems outside of containment</p> <p>10 CFR 50.34(f)(2)(xxvii)[III.D.3.3] Monitoring of inplant radiation and airborne radioactivity requirements under a broad range of routine and accident conditions</p> <p>10 CFR 50.34(f)(2)(xxviii)[III.D.3.4] Control room habitability design requirements due to pathways for radiation and radioactivity under accident conditions</p> <p>10 CFR 50.44(c)(4) Monitoring requirements for oxygen in containments that use an inerted atmosphere for combustible gas control</p> <p>10 CFR 50.49 Environmental qualifications of electric equipment important to safety for nuclear power plants</p> <p>10 CFR 50.55a(a)(1) Quality standards for systems important to safety</p> <p>10 CFR 50.55a(h) Protection and safety systems compliance with IEEE Std. 603</p> <p>10 CFR 50.62 Requirements for reduction of risk from Anticipated Transients Without Scram (ATWS) events for light-water-cooled nuclear power plants</p> <p>10 CFR 50.63 Loss of all alternating current power</p> <p>10 CFR 52.47 Contents of applications; technical information, level of design information</p>

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		<p>10 CFR 52.47(a)(21) Resolution of unresolved and generic (medium- and high-priority) safety issues identified in NUREG-0933</p> <p>10 CFR 52.47(a)(25) Interface requirements for portions of the plant not within scope of certified design application</p> <p>10 CFR 52.47(b)(1) ITAAC in design certification application</p> <p>10 CFR 52.47(c)(2) Innovative means to accomplish safety function design completeness requirements per 10 CFR 50.43(e)</p>
3.	Entire Chapter	Revised 10 CFRs conformance statements for clarity and consistency.
4.	Entire Chapter	Revised RG 1.100 conformance statement and replaced "See Table 3.11-1 (Electrical and Mechanical Equipment for Environmental Qualification)" with "See Sections 3.9 (Mechanical Systems and Components) and 3.10 (Seismic and Dynamic Qualification of Mechanical and Electrical Equipment)".
5.	Entire Chapter	<p>Revised BTP HICB titles where applicable per NRC documentation;</p> <p>BTP HICB-1 Guidance on Isolation of Low-Pressure Systems from the High-Pressure Reactor Coolant System</p> <p>BTP HICB-3 Guidance on Protection System Trip Point Changes for Operation with Reactor Coolant Pumps out of Service</p> <p>BTP HICB-6 Guidance on Design of Instrumentation and Controls Provided to Accomplish Changeover from Injection to</p>

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		<p>Recirculation Mode</p> <p>BTP HICB-8 Guidance for Application of Regulatory Guide 1.22</p> <p>BTP HICB-9 Guidance on Requirements for Reactor Protection System Anticipatory Trips</p> <p>BTP HICB-10 Guidance on Application of Regulatory Guide 1.97</p> <p>BTP HICB-11 Guidance on Application and Qualification of Isolation Devices</p> <p>BTP HICB-12 Guidance on Establishing and Maintaining Instrument Setpoints</p> <p>BTP HICB-13 Guidance on Cross-Calibration of Protection System Resistance Temperature Detectors</p> <p>BTP HICB-14 Guidance on Software Reviews for Digital Computer-Based Instrumentation and Control Systems</p> <p>BTP HICB-16 Guidance on the Level of Detail Required for Design Certification Applications Under 10 CFR Part 52</p> <p>BTP HICB-17 Guidance on Self-Test and Surveillance Test Provisions</p> <p>BTP HICB-18 Guidance on the Use of Programmable Logic Controllers in Digital Computer-Based Instrumentation and Control Systems</p> <p>BTP HICB-19 Guidance for Evaluation of Defense-in-Depth and Diversity in Digital Computer-Based Instrumentation and Control Systems</p>

Item	Location	Description of Change
		BTP HICB-21 Guidance on Digital Computer Real-Time Performance
6.	Entire Chapter	<p>Revised RG titles where applicable per NRC documentation;</p> <p>RG 1.22 Periodic Testing of Protection System Actuation Functions</p> <p>RG 1.45 Reactor Coolant Pressure Boundary Leakage Detection Systems</p> <p>RG 1.47 Bypassed and Inoperable Status Indication for Nuclear Power Plant Safety Systems</p> <p>RG 1.53 Application of the Single-Failure Criterion to Safety Systems</p> <p>RG 1.62 Manual Initiation of Protective Actions</p> <p>RG 1.75 Criteria for Independence of Electrical Safety Systems</p> <p>RG 1.89 Environmental Qualification of Certain Electric Equipment Important to Safety for Nuclear Power Plants</p> <p>RG 1.97 Criteria for Accident Monitoring Instrumentation for Nuclear Power Plants</p> <p>RG 1.100 Seismic Qualification of Electric and Mechanical Equipment for Nuclear Power Plants</p> <p>RG 1.105 Setpoints for Safety-Related Instrumentation</p> <p>RG 1.118 Periodic Testing of Electric Power and Protection Systems</p>

Item	Location	Description of Change
		<p>RG 1.151 Instrument Sensing Lines</p> <p>RG 1.152 Criteria for Use of Computers in Safety Systems of Nuclear Power Plants</p> <p>RG 1.153 Criteria for Safety Systems</p> <p>RG 1.168 Verification, Validation, Reviews, and Audits for Digital Computer Software Used in Safety Systems of Nuclear Power Plants</p> <p>RG 1.169 Configuration Management Plans for Digital Computer Software Used in Safety Systems of Nuclear Power Plants</p> <p>RG 1.170 Software Test Documentation for Digital Computer Software Used in Safety Systems of Nuclear Power Plants</p> <p>RG 1.171 Software Unit Testing for Digital Computer Software Used in Safety Systems of Nuclear Power Plants</p> <p>RG 1.172 Software Requirements Specifications for Digital Computer Software Used in Safety Systems of Nuclear Power Plants</p> <p>RG 1.173 Developing Software Life Cycle Processes for Digital Computer Software Used in Safety Systems of Nuclear Power Plants</p> <p>RG 1.180 Guidelines for Evaluating Electromagnetic and Radio-Frequency Interference in Safety-Related Instrumentation and Control Systems</p> <p>RG 1.204 Guidelines for Lightning Protection of Nuclear Power Plants</p> <p>RG 1.209 Guidelines for Environmental Qualification of Safety-Related Computer-Based</p>

Item	Location	Description of Change
		Instrumentation and Control Systems in Nuclear Power Plants
7.	Entire Chapter	Changed “10 CFR 52.47(a)(1)(iv)” to “10 CFR 52.47(a)(21)” throughout the Chapter 7 per RAI 7.5-8.
8.	Entire Chapter	Changed “10 CFR 52.47(a)(1)(vi)” to “10 CFR 52.47(b)(1)” throughout the Chapter 7 per RAI 7.5-8.
9.	Entire Chapter	Changed “10 CFR 52.47(a)(1)(vii)” to “10 CFR 52.47(a)(25)” throughout the Chapter 7 per RAI 7.5-8.
10.	Entire Chapter	Changed “10 CFR 52.47(a)(2)” to “10 CFR 52.47” throughout the Chapter 7 per RAI 7.5-8.
11.	Entire Chapter	Changed “10 CFR 52.47(b)(2)(i)” to “10 CFR 52.47(c)(2)” throughout the Chapter 7 per RAI 7.5-8.
12.	Entire Chapter	Change “alarmed” to “indicated” since the final response will be based on HFE analysis during detail design.
13.	Entire Chapter	RPS was replaced by RTIF when required for clarity.
14.	Entire Chapter	Replace “disable switches” with “disable/test switches” Clarification of switch functions. RAI 7.1-139
15.	Entire Chapter	Replaced "does not use innovative means" with "may use innovative means" in all 10 CFR 52.47 (c)(2) conformance statements to allow for possible use of innovative means.
16.	Entire Chapter	Added 10 CFR 50.43(e) "Innovative means of accomplishing safety functions" including title and conformance statement for every instance of 10 CFR 52.47(c)(2) exists.
17.	Entire Chapter	Replaced the word "different" with "diverse" or "diversity" for clarity and consistency with the Diversity and Defense in Depth Topical Report (NEDE-33251).
18.	Entire S7.1	Changed “NUMAC chassis” to “RTIF NMS platform” and “NUMAC” to “RTIF-NMS” in response to RAI 7.1-113.

Item	Location	Description of Change
19.	Entire S7.1	Changed “NUMAC/TRICON” to “the safety-related platforms” in response to RAI 7.1-110.
20.	S7.1, 2 nd para., 9 th bullet	Revised in response to RAI 7.1-100.
21.	S7.1, 2 nd para., 10 th bullet	Deleted due to the deletion of Figure 7.1-2 in response to RAI 7.1-100.
22.	S7.1.1, 2 nd para.	Revised based on Figure 7.1-1 updates and Figure 7.1-2 deletion in response to RAI 7.1-100.
23.	S7.1.1, 5 th para. (new)	Revised in response to RAI 14.3-402 and 14.3-402 S01.
24.	S7.1.1, 6 th , 7 th , 8 th , & 9 th para. (new)	Deleted; supersedes previous changes from RAI 14.3-402
25.	S7.1.2	Revised and reformatted to provide better clarification in response to RAI 7.1-139; ; supersedes previous changes from RAI 7.1-113.
26.	S7.1.2, 1 st para.	Added “that operate independent of each other” for clarification in response to RAI 7.1-139.
27.	S7.1.2, 1 st para.	Spelled out RTIF-NMS, SSLC-ESF, and ATWS/SLC. Added "the Independent Control Platform (ICP)". Added “The ICP provides” independent logic controllers. Revised in response to RAIs 7.1-99, 100, 101, 103, 113, 139, 14.3-265 S01, and 21.6-103.
28.	S7.1.2, 2 nd para.	Revised in response to RAI 7.1-139.
29.	S7.1.2, 3 rd para.	Revised in response to RAIs 7.1-99, 7.1-100, 7.1-101, 139, and 14.3-265 S01.
30.	S7.1.2, 1 st and 2 nd bullet	Divided the RTIF and ICP Systems and Functions, per RAIs 7.1-99, 100, 101, and 14.3-265 S01.
31.	S7.1.2, 2 nd para., 1 st bullet	Revised sub-bullets in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
32.	S7.1.2, 2 nd para., 2 nd bullet (new)	Revised and added sub-bullets in response to RAIs 7.1-99, 100, 101, 14.3-265 S01., and RAI 21.6-103.
33.	S7.1.2, 2 nd para., 3 rd bullet	Revised in response to RAIs 7.1-99, 100, 101, 139, and RAI 14.3-265 S01.
34.	S7.1.2, 2 nd para., 4 th bullet	Revised in response to RAI 7.1-139.

Item	Location	Description of Change
35.	S7.1.2, 5 th para., 3 rd sent.	Revised in response to RAI 7.1-139. Changed DBE to abnormal events for consistency with Chapter 15 definitions.
36.	S7.1.2, 6 th and 8 th para.	Added MCR and RSS in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
37.	S7.1.2.1, 1 st para., 1 st sent.	Added IEEE Std. 603 Sections, 4.3, 4.4, 4.6, 4.7, 4.9, 4.11, and 4.12 to be consistent with Table 7.1-1.
38.	S7.1.2.3, 2 nd and 3 rd para.	Added a definition for N-2.
39.	S7.1.2.4, 1 st para., 5 th bullet	Added GDC 10, 12, 15, 16, 26, 27, 28, 30, 33, 34, 35, 37, 41, 43, 44, 63, and 64 to be consistent with Table 7.1-1.
40.	S7.1.2.6, 2 nd para.	Deleted IEEE reference in response to RAI 14.3-265 S01.
41.	S7.1.2.8, 1 st para.	Revised in response to RAI 21.6-103.
42.	S7.1.2.8.1, 4 th para.	Revised to provide better clarification in response to RAIs 7.1-139 and 21.6-103.
43.	S7.1.2.8.4, 1 st para.	Revised in response to RAIs 7.1-139 and 21.6-103.
44.	S7.1.2.8.6.1, 1 st para.	Changed because it is a CMS function although the hardware is part of the RTIF platform.
45.	S7.1.2.8.7, 1 st para.	Revised in response to RAIs 7.1-139 and 21.6-103.
46.	Entire S7.1.2.8.8	Added in response to RAIs 7.1-139 and RAI 21.6-103.
47.	S7.1.3, 1 st para.	Revised based on Figure 7.1-1 updates and Figure 7.1-2 deletion in response to RAI 7.1-100.
48.	S7.1.3.1.1, 1 st para., 1 st sent.	Added IEEE Std. 603 Sections, 4.3, 4.4, 4.6, 4.7, 4.9, 4.11, and 4.12 to be consistent with Table 7.1-1.
49.	S7.1.3.1.1, 7 th bullet	Added "or contractors" for clarity in response to RAI 7.1-139.
50.	S7.1.3.2, 1 st para., 2 nd sent.	Added "the ICP equipment" in response to RAI 21.6-103.
51.	S7.1.3.2, 4 th para., 1 st sent.	Changed term from "transmitter" to "sensor" to be consistent with IEEE concepts and terminology of sense/command/actuate.
52.	S7.1.3.2, 7 th para., 3 rd sent.	Changed DBE to SBO for technical consistency.

Item	Location	Description of Change
53.	S7.1.3.2, 9 th para. (new)	Added in response to RAI 9.5-71 S02.
54.	S7.1.3.2.1.3, 1 st para.	Changed because it is a CMS function although the hardware is part of the RTIF platform.
55.	S7.1.3.2.3.2, 1 st para.	Added because there are indications in the MCR not available on the MCR VDUs and therefore not available at the RSS
56.	S7.1.3.2.5, title	Revised Title in response to RAI 7.6-3.
57.	S7.1.3.2.5, 1 st para., 1 st sent.	Revised in response to RAI 7.1-113.
58.	S7.1.3.2.5, 2 nd and 3 rd para.	Deleted in response to RAI 7.6-3.
59.	S7.1.3.2.6, 1 st and 2 nd para.	Revised in response to RAI 7.7-8.
60.	S7.1.3.3.1, 2 nd para.	Updated to correct an error/incorrect reference from "603" to "385" - the originally referenced standard does not address cable flame propagation.
61.	S7.1.3.3.3, 1 st para., 8 th sent.	Deleted "required by IEEE Std. 603, Sections 5.6 and 6.3" in response to RAI 14.3-265 S01.
62.	S7.1.3.3.5, 2 nd para.	Added clarification "may use point-to-point optical fiber or hardwiring to the final load drivers or final actuators if higher speeds are required." in response to RAI 7.1-139.
63.	S7.1.3.3.5, 4 th para.	Deleted "IEEE Std. 603, Sections 6.5" in response to RAI 14.3-265 S01.
64.	S7.1.3.3.6, 1 st para., 5 th sent.	Added CIM card hardware detail in response to RAI 7.1-139.
65.	S7.1.3.3.7, 1 st para.	Deleted "IEEE Std. 603, Sections 5.7 and 6.5" in response to RAI 14.3-265 S01.
66.	S7.1.3.3.7, 2 nd para.	Deleted "IEEE Std. 603, Sections 8.1" in response to RAI 14.3-265 S01.
67.	S7.1.3.4, 1 st para., 1 st sent.	Changed "two diverse platforms," to "three diverse safety-related platforms:" in response to RAI 7.1-110.
68.	S7.1.3.4, 1 st para.	Changed "NUMAC for RTIF functions" to "RTIF-NMS" and deleted "TRICON for...functions" in response to RAI 7.1-113.

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69.	S7.1.3.4, 1 st para.	Replaced “(ADS, GDCS, ICS, SLC, LDand IS functions (except MSIV isolation), and CRHS)” with “, and ICP” in response to RAI 7.1-110.
70.	S7.1.3.4, 2 nd para., 1 st sent.	Revised in response to RAI 7.1-110.
71.	S7.1.3.4, 2 nd para., 3 rd sent.	Revised in response to RAI 7.1-113.
72.	S7.1.3.4, 2 nd para., 3 rd sent.	Deleted “IEEE Std. 603, Section 5.7” in response to RAI 14.3-265 S01.
73.	S7.1.3.4, 3 rd para., 1 st sent.	Revised in response to RAI 7.1-113.
74.	S7.1.3.4, 4 th para., 1 st sent.	Changed “NUMAC” to “RTIF-NMS” in response to RAI 7.1-113.
75.	S7.1.3.4, 4 th para., 1 st – 3 rd sent.	Revised in response to RAI 7.1-115.
76.	S7.1.3.4, 5 th para., 1 st sent.	Revised in response to RAI 7.1-113.
77.	S7.1.3.4, 6 th para., 1 st sent.	Changed “NUMAC” to “RTIF-NMS” and “TRICON” to “SSLC/ESF” in response to RAI 7.1-113.
78.	S7.1.3.4, 6 th para., 2 nd sent.	Added “power supply checks” in response to RAI 7.1-123.
79.	S7.1.3.4, 6 th para., 5 th – 7 th bullets	Changed “NUMAC” to “RTIF-NMS platform” and “TRICON” to “SSLC/ESF platform” in response to RAI 7.1-113.
80.	S7.1.3.4, 6 th para., 6 th bullet	Changed “instruments” to “logic processors or logic functions” in response to RAI 7.1-115.
81.	S7.1.3.4, 6 th para., 6 th – 8 th bullets	Added eighth bullet and revised punctuation in response to RAI 7.1-123.
82.	S7.1.3.4, 7 th para., 1 st sent.	Changed “NUMAC” to “RTIF-NMS” and “TRICON” to “SSLC/ESF” in response to RAI 7.1-113.
83.	S7.1.3.4, new 8 th para. and bullets	Added para. in response to RAI 7.1-110.

Item	Location	Description of Change
84.	S7.1.3.4, 9th para	Replaced ' The following describes the periodic testing performed to support surveillance requirements of the Technical Specifications ' with 'The following describes the provisions made to allow periodic testing of safety-related platforms' for consistency with RAI 7.1-110.
85.	S7.1.3.4, Channel Functional Test	Deleted “and actuation logic” and replaced “its logic output contact” with “the DTM function” in response to RAI 16.2-145 S01.
86.	S7.1.3.4, Logic System Functional Test	para. revised in response to RAI 7.1-121.
87.	S7.1.3.4, Response Time	Changed “instrument” to “logic processor or logic function” in response to RAI 7.1-115.
88.	S7.1.3.5, 2 nd para.	Deleted "IEEE Std, Sections 5.7, 5.10, and 6.5" in response to RAI 14.3-265 S01.
89.	S7.1.3.5, 3 rd para.	Deleted "IEEE Std, Sections 5.8" in response to RAI 14.3-265 S01.
90.	S7.1.3.6, 1 st para.	Added clarification “The field sensors, actuators, and wiring belong to the process system to which they are attached and are not part of the Q-DCIS.” in response to RAI 7.1-139
91.	S7.1.4.3, 4 th para.	Revised DCIS systems to Q-DCIS systems and N-DCIS segments for consistency with the revisions to Table 7.1-1 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
92.	S7.1.4.4, all bullets	Revised the following in response to RAIs 7.1-99, 7.1-100, 7.1-101, and 14.3-265 S01: Added the first 16 bullets for applicable CFRs. Removed, 18 th bullet, NUREG 0694, 0718, and 0737. Revised 20 th bullet to add RG 1.151 and RG 1.105. Added GDCs 12, 25, 26, 27, 28, 29, 33, 38, 41, 42, 43, and 64 to the 21 st bullet. Added RGs 1.89, 1.100, 1.105, 1.209 to the 23 rd bullet, and deleted 1.204. Deleted HICB 11, 12, 14, 17, 18, 21 from 24 th bullet.
93.	S7.1.4.4, 1 st para., 11 th bullet	Deleted bullet referencing 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] consistent with RAIs 20.0-12 and 20.0-16; supersedes previous changes from RAIs 7.1-99, 7.1-100, 7.1-101, and 14.3-265 S01.

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94.	S7.1.4.8.1	Redefined segments in GENE summary description by adding 3 bullets: workstations, Dual-redundant controller and Triple redundant controllers in response to RAIs 7.1-99, 100, 101, 139 and 14.3-265 S01.
95.	S7.1.4.8.1, 1 st para.	Replaced 'comprises of workstations' with 'is a single channel of workstation' for consistency with RAI 7.1-139.
96.	S7.1.4.8.1, 1 st para., 1 st bullet	Revised first bullet to be workstation in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
97.	S7.1.4.8.1, 2 nd bullet	Revised second bullet to describe Dual-Redundant controllers in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
98.	S7.1.4.8.1, 3 rd bullet	Added third bullet for Triple Redundant controllers in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
99.	S7.1.4.8.1, 4 th bullet	Deleted bullet in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
100.	S7.1.4.8.1, 5 th bullet	Deleted bullet in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
101.	S7.1.4.8.1, 6 th bullet	Deleted bullet in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
102.	S7.1.4.8.1, 7 th bullet	Deleted bullet in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
103.	S7.1.4.8.2, 1 st para.	Revised PIP summary statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
104.	S7.1.4.8.2, 4 th bullet (new)	Added Nonsafety-related RSS as applicable in PIP system response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
105.	S7.1.4.8.2, 11 th bullet (new)	Added Nonsafety-related PAM bullet for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
106.	S7.14.8.2, 12 th bullet (new)	Added Nonsafety-related LDand IS bullet for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
107.	S7.14.8.2, 13 th bullet (new)	Added PCCS Ventilation Fans bullet for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

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108.	S7.1.4.8.2, 17th bullet	Revised Nonsafety-related UPS bullet for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
109.	S7.1.4.8.2, 18 th bullet	Deleted last bullet and revised punctuation in response to RAIs 7.1-99, 100, 101, 125, and 14.3-265 S01.
110.	S7.1.4.8.3, 1 st para.	Revised BOP summary statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
111.	S7.1.4.8.3, all bullets	Revised to discussed Triple Redundant and Dual Redundant Controller to provide clarification for RAI 7.1-139.
112.	S7.1.4.8.3, 2nd bullet	Deleted "Reactor Pressure" in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
113.	S7.1.4.8.3, 3rd bullet	Deleted "RPV water level" in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
114.	S7.1.4.8.3, 4th bullet	Deleted "FWCS..." in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
115.	S7.1.4.8.3, 5 th bullet (new)	Added Dual-Redundant Controllers bullet and moved remaining previous bullets as sub-bullets in response to RAI 7.1-139.
116.	S7.1.4.8.3, 5 th bullet, sub-bullets (new)	Revised previously existing bullets that are moved to sub-bullets of Dual-Redundant Controllers in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. Also, added bullets for "Service air/containment inerting/floor drains controller" and "Miscellaneous HVAC controller" as part of those RAIs.
117.	S7.1.4.8.4, 1 st para., 11 th bullet	Deleted 11 th bullet in response to RAI 7.1-125.
118.	S7.1.4.8.4, 13 th bullet	Spelled out PCD for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
119.	S7.1.4.8.4, 2 nd para. (new)	Added "PCF information display and control..." para. conforming with RAI 7.1-125.
120.	S7.1.4.8.5 (new)	Added new subsection Nonsegment-based equipment in response to RAIs 7.1-99, 100, 101, 139, and 14.3-265 S01.
121.	S7.1.4.8.5, 1 st bullet	Clarified shared VDU usage for RAI 7.1-139.

Item	Location	Description of Change
122.	S7.1.5, 1 st para.	Revised based on Figure 7.1-2 deletion in response to RAI 7.1-100.
123.	S7.1.5.1.2, 1 st para., 6 th bullet, 2 nd sent..	Revised in response to RAI 7.7-13.
124.	S7.1.5.1.2, 1 st para., 14 th bullet (new)	Added in response to RAI 7.7-13.
125.	S7.1.5.1.3, 3 rd para., 2 nd sent.	Revised in response to RAI 7.1-86 S01.
126.	S7.1.5.2, 8 th para.	Revised based on Figure 7.1-2 deletion in response to RAI 7.1-100.
127.	S7.1.5.2.1.4, 1 st para.	Revised in response to RAIs 7.1-139 and 21.6-103.
128.	S7.1.5.2.3.4, 5 th para. 3 rd bullet and 6 th para.	Deleted the “one button startup and synchronization sequence” description to clarify the turbine generator startup and revised in response to RAI 7.1-139.
129.	S7.1.5.2.3.9 2 nd para., 3 rd bullet	Replaced “...air header dump...” with “...ARI...”. Inresponse to RAI 16.2-135 S01.
130.	S7.1.5.2.4.4, 1 st para., 6 th , 8 th , 9 th and 10 th bullets	Modified to align with I&C design basis and with current HFE design process.
131.	S7.1.5.2.4.5, 1 st bullet (new)	Added a bullet for TSM: 'Monitors, displays and alarms all three safety-related platforms' for clarity.
132.	S7.1.5.2.4.8, 2 nd para.	Clarified the description of the 3D Monicore operation and revised in response to RAI 7.1-139.
133.	7.1.5.3, 2 nd para., 2 nd bullet	Replaced “Auxiliary Fuel Building” with “Fuel Building” to be consistent with Chapter 1 in response to RAI 7.1-139.
134.	7.1.5.3, new 3 rd para.	Added para. in response to RAI 9.5-71 S02.
135.	S7.1.5.3, 5 th para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
136.	S7.1.5.3.1	Added new conformance statements as revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
137.	S7.1.5.3.1, 14 th bullet	Deleted reference to 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] consistent with RAIs 20.0-12 and 20.0-16
138.	S7.1.5.3.1, 16 th para.	Replaced “10 CFR 52.47(a)(1)(iv)” with “10 CFR 52.47(a)(21)” in response to RAI 7.5-8.

Item	Location	Description of Change
139.	S7.1.5.3.1, 18 th para.	Replaced “10 CFR 52.47(a)(1)(vi)” with “10 CFR 52.47(b)(1)” in response to RAI 7.5-8.
140.	S7.1.5.3.1, 19 th para.	Replaced “10 CFR 52.47(a)(1)(vii)” with “10 CFR 52.47(a)(25)” in response to RAI 7.5-8.
141.	S7.1.5.3.2, 1 st para.	Revised applicable GDC in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
142.	S7.1.5.3.3, 2 nd bullet	Revised for consistency in response to RAIs 7.7-11, 7.1-99, 100, 101, and 14.3-265 S01. This additional information provided in this para. supersedes Response to RAI 7.1-70 transmitted via MFN 08-116.
143.	S7.1.5.3.4	Added new conformance statements in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
144.	S7.1.5.3.4, 4 th bullet	Revised conformance statements in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
145.	S7.1.5.3.4, RG 1.153	Deleted. Not in table 7.1-1; supersedes previous changes from RAIs 7.1-99, 100, 101, and 14.3-265 S01.
146.	S7.1.5.3.5	Added new conformance statements in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
147.	S7.1.5.3.5, 3 rd para., 3 rd bullet	Deleted in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
148.	S7.1.5.4, 2 nd para., 2 nd sent.	Revised in response to RAI 7.1-124.
149.	S7.1.5.4, 3 rd para., 3 rd sent.	Revised in response to RAI 7.1-124.
150.	S7.1.5.4, 5 th para., 1 st sent.	Revised in response to RAI 7.1-124.
151.	S7.1.5.4, 6 th para., 1 st bullet	Changed because trains refer to mechanical equipment and not standalone workstations.
152.	S7.1.6, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
153.	S7.1.6, 1 st para., 2 nd bullet (new)	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
154.	S7.1.6, 2 nd para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
155.	S7.1.6.1	Added new bullets referencing CFR conformance under the TMI action items in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
156.	S7.1.6.1, 1 st bullet	Revised to clarify N-DCIS compliance in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
157.	S7.1.6.1, 2 nd bullet (new)	Added 10 CFR 50.55a(h) conformance in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
158.	S7.1.6.1, 3 rd bullet	Revised TMI conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
159.	S7.1.6.1, 4 th para., 12 th bullet	Deleted bullet referencing 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] consistent with RAIs 20.0-12 and 20.0-16
160.	S7.1.6.1, 5 th para., 23 rd bullet	Added 10 CFR 50.44(c)(4) conformance in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
161.	S7.1.6.1, 24 th bullet	Revised 10 CFR 50.62 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
162.	S7.1.6.1, 7 th para., 25 th bullet	Added 10 CFR 50.63 conformance in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
163.	S7.1.6.1, 8 th para.	Replaced “10 CFR 52.47(a)(1)(iv)” with “10 CFR 52.47(a)(21) in response to RAI 7.5-8.
164.	S7.1.6.1, 9 th para.	Replaced “10 CFR 52.47(a)(1)(vi)” with “10 CFR 52.47(b)(1) in response to RAI 7.5-8.
165.	S7.1.6.1, 10 th para.	Replaced “10 CFR 52.47(a)(1)(vii)” with “10 CFR 52.47(a)(25) in response to RAI 7.5-8.
166.	S7.1.6.1, 11 th para.	Replaced “10 CFR 52.47(a)(2)” with “10 CFR 52.47 in response to RAI 7.5-8.
167.	S7.1.6.1, 12 th para.	Replaced “10 CFR 52.47(b)(2)(i)” with “10 CFR 52.47(c)(2) in response to RAI 7.5-8.
168.	S7.1.6.2, 2 nd para.	Added applicable GDCs in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
169.	S7.1.6.2, 3 rd para., 2 nd bullet (new)	Added applicable GDCs for N-DCIS in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
170.	S7.1.6.3, 1 st bullet	Revised conformance statement in response to RAIs 7.7-11.

Item	Location	Description of Change
171.	S7.1.6.4	Add bullets and “Conformance:” for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
172.	S7.1.6.4, 3rd para., 2 nd bullet (new)	Added RG 1.45 conformance in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
173.	S7.1.6.4, 4 th bullet	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
174.	S7.1.6.4, 5 th bullet	Revised RG 1.62 conformance statement in response to RAIs 7.1-99, 100, 101, 107, and 14.3-265 S01.
175.	S7.1.6.4, 8 th bullet	Revised RG 1.97 conformance statement replacing “Iand C system” with “Q-DCIS and N-DCIS” in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
176.	S7.1.6.4, 10 th bullet	Revised RG 1.105 conformance statement replacing “Iand C system” with “Q-DCIS and N-DCIS” in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
177.	S7.1.6.4, RG 1.151, 7 th sent.	Changed wording to accurately reflect RG 1.151 requirements.
178.	S7.1.6.4, RG 1.152, "Software development process" bullet	Replaced "References 7.1-10 and 7.1-12" with "Appendix 7B" in accordance with RAI 14.3-402 S01.
179.	S7.1.6.5, 1 st para.	Revised in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
180.	S7.1.6.5, 2 nd – 5 th para. (new)	Added generic non-conformance statements for BTP HICB-3, 6, and 13 that are not applicable to ESBWR project for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
181.	S7.1.6.5, 6 th para.	Added sent. stating “The Following BTPs are applicable” in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
182.	S7.1.6.5, 7 th para.	Revised conformance to BTP HICB-1 by replacing: “and interlock systems logic” to “and PIP A/B segment of N-DCIS” in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. This change supersedes the markups provided in RAI 7.6-3.

Item	Location	Description of Change
183.	S7.1.6.5, 8 th para.	Revised conformance to BTP HICB-8 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
184.	S7.1.6.5, 10 th para.	Revised conformance to BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
185.	S7.1.6.5, BTP HICB-16, 3 rd para.	Rewrote the para. to remove contradictions between the sent. dealing with "unresolved or generic safety-related issues applicable to I&C systems".
186.	S7.1.6.5, 23 rd para.	Revised conformance statement to BTP HICB-19 in response to RAIs 7.7-11, 7.1-99, 100, 101, and 14.3-265 S01.
187.	7.1.6.6, 6 th para. (new)	Added IEEE379 to Industry Standards section specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. Revised for consistency with RAI 21.6-103, Item #10 in response to RAI 7.1-139.
188.	S7.1.6.6, 6 th para.	Added "HP CRD isolation bypass logic controller" for consistency with RAI 21.6-103, Item# 10 and RAI 21.6-103.
189.	S7.1.6.6.1, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
190.	S7.1.6.6.1, 2 nd – 4 th para. (new)	Added in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
191.	S7.1.6.6.1, 3 rd para.	Replaced 'Subsection 14.3.3.2' with 'Appendix 7B' in accordance with RAI 14.3-402 S01.
192.	S7.1.6.6.1, 4 th para.	Replaced 'Table 14.3-4' with 'Table 7B-1' in accordance with RAI 14.3-402 S01.
193.	S7.1.6.6.1.1, 1 st para., 2 nd sent..	Changed DBE to abnormal events for consistency with Chapter 15 definitions.
194.	S7.1.6.6.1.1, 2 nd para.	Revised/Added Criterion 4.1 identification in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
195.	S7.1.6.6.1.1, 3 rd para. (new)	Added Criterion 4.2 identification in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
196.	S7.1.6.6.1.1, 4 th para. (new)	Added Criterion 4.3 identification in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
197.	S7.1.6.6.1.1, 5 th para. (new)	Added Criterion 4.4 identification in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
198.	S7.1.6.6.1.1, 6 th para. (new)	Added Criterion 4.5 identification in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
199.	S7.1.6.6.1.1, 7 th para. (new)	Added Criterion 4.6 identification in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
200.	S7.1.6.6.1.1, 8 th para. (new)	Added Criterion 4.7 identification in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
201.	S7.1.6.6.1.1, 9 th para. (new)	Added Criterion 4.8 identification in response RAIs 7.1-99, 100, 101, and 14.3-265 S01.
202.	S7.1.6.6.1.1, 10 th para.	Added Criterion 4.9 identification in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
203.	S7.1.6.6.1.1, 11 th para. (new)	Added Criterion 4.10 identification in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
204.	S7.1.6.6.1.1, 11 th para	Removed inappropriate reference to Technical Specifications.
205.	S7.1.6.6.1.1, 12 th para. (new)	Added Criterion 4.11 identification in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
206.	S7.1.6.6.1.1, 13 th para. (new)	Added Criterion 4.12 identification in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
207.	S7.1.6.6.1.2	Revised title.
208.	S7.1.6.6.1.2, 1 st para. (new)	Added in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
209.		
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211.		
212.	S7.1.6.6.1.2, 1 th para., 2 nd sent.. (new)	Added in response to RAI 7.1-122.
213.	S7.1.6.6.1.2, 2 nd para.	Revised and now shown as new 2 nd para. in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
214.	S7.1.6.6.1.2, 3 rd para. (new)	Added new 3 rd para. in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
215.	S7.1.6.6.1.2, 4 th para.	Revised and deleted text in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
216.	S7.1.6.6.1.2, 5 th para.	Deleted text in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
217.	S7.1.6.6.1.2, 6 th para.	Deleted text in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
218.	S7.1.6.6.1.2, 6 th para., 2 nd sent.	Deleted in response to RAI 7.1-111.
219.	S7.1.6.6.1.2, 7 th para.	Deleted text in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
220.	S7.1.6.6.1.2, 8 th para.	Deleted text in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
221.	S7.1.6.6.1.2, 9 th para.	Revised in response to RAIs 7.1-99, 100, 101, 122, and 14.3-265 S01.
222.	S7.1.6.6.1.2, 10 th para. (new)	Added in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
223.	S7.1.6.6.1.3, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. This change supersedes the markups provided in RAI 7.1-10.
224.	S7.1.6.6.1.4, title	Revised title.
225.	S7.1.6.6.1.4, 1 st and 2 nd para. (new)	Added in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
226.	S7.1.6.6.1.4, 3 rd para.	Revised in response to RAIs 7.1-99, 100, 101, 126 and 14.3-265 S01.
227.	S7.1.6.6.1.4, 3 rd para. , 7 th and 8 th bullets	Deleted bullets in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. This supersedes markups provided in RAI 7.1-11.
228.	S7.1.6.6.1.5	Deleted and rewrote the section to point to Sections 3.9 through 3.11, and Table 3.11-1, which describes in detail the EQ program and design commitments in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. and removes statements that were redundant and inconsistent with the EQ program description in Chapter 3. This deletion/rewrite supersede markups provided in RAIs 7.9-5, 7.9-47 and 7.1-12.
229.	S7.1.6.6.1.6, 1 st and 2 nd para., 1 st – 3 rd bullets (new)	Added in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. and deleted text redundant to existing text in subsection.

Item	Location	Description of Change
230.	S7.1.6.6.1.6, 4 th para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
231.	S7.1.6.6.1.7, 2 nd and 3 rd para. (new)	Added in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
232.	S7.1.6.6.1. 7, 4 th para. title (new)	Added 4 th para. title “Physical Independence” in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
233.	S7.1.6.6.1. 7, 4 th para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. by deleting text redundant to and expanded by new 6 th para. on Communication Independence.
234.	S7.1.6.6.1. 7, 5 th para. title (new)	Added 5 th para. title “Electrical Independence” in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
235.	S7.1.6.6.1. 7, 5 th para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
236.	S7.1.6.6.1.7, 6 th para. title (new)	Added 6 th para. title “Communication Independence” in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
237.	S7.1.6.6.1.7, 6 th para.(new)	Added Communication Independence discussion in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
238.	S7.1.6.6.1.7, 7 th para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
239.	S7.1.6.6.1.8, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
240.	S7.1.6.6.1.8, 2 nd para., 1 st and 2 nd bullets	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. This revision supersedes the markups provided in RAI 7.1-44 (MFN-07-505).
241.	S7.1.6.6.1.8, 3 rd para.	Deleted specific information that does not apply in general to all safety-related systems and appears in specific subsections as part of the subsystem conformance statements in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
242.	S7.1.6.6.1.9, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. to remove references to specific information (i.e., RG 1.97) that does not apply in general to all safety-related systems and appears in specific subsections as part of the subsystem conformance statements. This revision supersedes the markups provided in RAI 7.1-16.
243.	S7.1.6.6.1.9, 3 rd para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. to remove extraneous clause and an open-ended reference to Table 7.1-2.
244.	S7.1.6.6.1.10, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. and deleted redundant statements.
245.	S7.1.6.6.1.10, 2 nd para.	Revised former 1 st para. into current 2 nd para. in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. and deleted redundant statements.
246.	S7.1.6.6.1.10, 3 rd para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
247.	S7.1.6.6.1.10, 4 th para., 1 st sent.	Added "control function" to the 1 st sent. to clarify the access type.
248.	S7.1.6.6.1.11, 1 st para.	Revised/deleted redundant clause at end of section in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
249.	S7.1.6.6.1.12, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. to point to Subsection 8.3.1.3, which provides information about the method of conformance.
250.	S7.1.6.6.1.12, 2 nd para. (new)	Added in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
251.	S7.1.6.6.1.13, 1 st para.	Revised/deleted redundant clause in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
252.	S7.1.6.6.1.13, 2 nd para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
253.	S7.1.6.6.1.13, 3 rd para.	The phrases "predefined components of" (the nonsafety-related I&C) plus "and other predefined nonsafety-related heat loads" were added to provide clarity and consistency with DCD Ch 9.
254.	S7.1.6.6.1.13, 4 th para.	Revised for clarity and in response to RAIs 7.1-99, 100, 101, 139, and 14.3-265 S01.

Item	Location	Description of Change
255.	S7.1.6.6.1.14, 1 st para.	Deleted last three sent. of para.in response to RAIs 7.1-73, 99, 100, 101, 134, and 14.3-265 S01. This deletion supersedes the markups provided in RAI 7.1-73 (MFN 08-280).
256.	S7.1.6.6.1.16, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
257.	S7.1.6.6.1.17, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
258.	S7.1.6.6.1.18	Revised for clarity in response to RAI 7.1-139.
259.	S7.1.6.6.1.18, 2 nd para.	Revised in response to RAI 7.1-139.
260.	S7.1.6.6.1.18, 5 th para., 3 rd sent.	Deleted “The DPS manual scram switches directly control the scram air header dump valves.” In response to RAI 16.2-135 S01.
261.	S7.1.6.6.1.18, 7 th para. (new)	Added in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
262.	S7.1.6.6.1.18, 8 th para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
263.	S7.1.6.6.1.19, 2 nd para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
264.	S7.1.6.6.1.20	Replaced "In direct" with "indirect"
265.	S7.1.6.6.1.20, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, 139, and 14.3-265 S01.
266.	S7.1.6.6.1.21, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
267.	S7.1.6.6.1.21, 2 nd para. (new)	Revised as committed in the response to RAIs 7.1-99, 7.1-100, 7.1-101, and 14.3-265 S01.
268.	S7.1.6.6.1.22, 1 st para., 5 th sent.	Revised as committed in the response to RAIs 7.1-99, 7.1-100, 7.1-101, and 14.3-265 S01.
269.	S7.1.6.6.1.23, 1 st para., 7 th and 8 th sent.	Revised as committed in the response to RAIs 7.1-99, 7.1-100, 7.1-101, and 14.3-265 S01. This revision supersedes the markups provided in RAI 7.1-29.
270.	S7.1.6.6.1.24, 1 st para., 7 th and 8 th sent.	Revised as committed in the response to RAI 7.1-26.
271.	S7.1.6.6.1.25, 1 st para., 3 rd and 4 th sent.	Revised as committed in the response to RAIs 7.1-99, 7.1-100, 7.1-101, and 14.3-265 S01.

Item	Location	Description of Change
272.	S7.1.6.6.1.26, 1 st para., 3 rd and 4 th sent.	Deleted only 2 nd para. and inserted new para. Revised as committed in the response to RAIs 7.1-99, 7.1- 7.1- 100, 7.1- 101, and 14.3-265 S01.
273.	S7.1.6.6.1.27	Revised for clarity in response to RAI 7.1-139.
274.	S7.1.6.6.1.27, 1 st para., 2 nd and 3 rd para. (new)	Deleted only 2 nd para. and inserted new para. Revised in response to RAIs 7.1-99, 100, 101, 139, 21.6-103, and 14.3-265 S01.
275.	S7.1.6.6.1.28, 2 nd para., 1st sent.	Replaced "cyber security program plan identifies" with "ESBWR Cyber Security Program Plan includes methods for identifying" for clarity.
276.	S7.1.8, Ref. 7.1-4	Revised in response to RAI 7.1-131.
277.	S7.1.8, Ref 7.1-10	Revised in response to RAI 7.1-108 and 14.3-420.
278.	S7.1.8, Ref. 7.1-12	Revised in response to RAI 7.1-108.
279.	S7.1.8, Ref 7.1-10 and 7.1-12	Designated references as "Tier 2*" information in response to RAI 14.3-420.
280.	S7.1.8, Ref. S7.1-13	Deleted in response to RAI 7.1-126.
281.	S7.1.8, last sent.	Added last sent. to clarify that references in brackets and italicized with an asterisk following the brackets are designated as Tier 2*.
282.	T7.1-1	Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
283.	T7.1-1	Revised: VBIF under ICP heading, ADS as subcomponent of NBS, RBVS and CBVS acronyms, added SLC, and removed RSS in response to RAI 7.1-100 (A). Indicate VB Isolation and ATWS/SLC logic are implemented under separate Independent control platforms in response to RAI 7.1-110.
284.	T7.1-1	Revised to separate safety from nonsafety-related systems. Systems with both safety and nonsafety-related structures were revised in response to RAI 7.1-99(H) and RAI 7.1-104.
285.	T7.1-1	Deleted X in cell under NMS column for referencing to 10CFR50.34(f)(2)(xviii)[II.F.2] per agreement between GE/BWROG and NRC that BWRs do not need in-core thermocouples for monitoring inadequate core cooling.

Item	Location	Description of Change
286.	T7.1-1	Deleted row referencing 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] consistent with RAIs 20.0-12 and 20.0-16
287.	T7.1-1	Updated to reflect that GDC 1 is applicable to all control systems in response to RAI 7.7-14.
288.	T7.1-1	Added Note 1 indicating safety-related isolation valves associated with nonsafety-related RWCU/SDC in response to RAI 7.1-103.
289.	T7.1-1	Updated Independent Control Platform HP CRD Isolation Bypass Function added in response to RAI 21.6-103.
290.	T7.1-1	Updated 52.47 (c)(2) row; added X to all Q-DCIS palfroms. Added new row for 50.43(e) and applied it to all Q-DCIS platforms. Added new note (11) to explain the use of other innovative means in the I&C design.
291.	T7.1-1, RG 1.105	Revised in response to RAI 7.1-86.
292.	T7.1-2	Revised/Re-issued for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
293.	T7.1-2	Revised: VBIF under ICP heading, ADS as subcomponent of NBS, RBVS and CBVS acronyms, added SLC, and removed RSS in response to RAI 7.1-100 (A).
294.	T7.1-2	Updated Independent Control Platform HP CRD Isolation Bypass Function added in response to RAI 21.6-103 and 21-6.103
295.	T7.1-2, IEE Section 4.10	Changed DBE to abnormal events for consistency with Chapter 15 definitions.
296.	F7.1-1	Revised to indicate VBIF is an independent control platform in response to RAI 7.3-15.
297.	F7.1-1	Reissued Figure 7.1-1 combining DCD Rev 5 Figure 7.1-1 and Figure 7.1-2 information in response to RAI 7.1-100.
298.	F7.1-1.	Revised to show clarification in response to RAI 7.1-139.
299.	F7.1-1.	Revised title to "ESBWR DCIS Simplified Network and Functional Diagram"

Item	Location	Description of Change
300.	F7.1-2	Deleted and combined information within Figure 7.1-1. This deletion supersedes the markup provided in the response to RAI 7.1-110.
301.	F7.1-3	Revised to add HP CRD isolation bypass and indicate that it was an ICP. Also changed to indicate that both the deluge system and HP CRD bypass logic use a safety-related permissive signal.
302.	F7.1-4	Removed PCF subsystems in response to RAI 7.1-118. Revised to conform to the revised Figure 7.1-1.
303.	S7.2.1.1, 1 st para.	Deleted reference to IEEE Std. 603 in response to RAI 14.3-265S01.
304.	S7.2.1.1, 2 nd para.	Deleted reference to IEEE Std. 603 in response to RAI 14.3-265S01.
305.	S7.2.1.2.1, 2 nd para., 16 th bullet	Removed Direct Current (DC) Power Supply System since it does not directly interface with RPS.
306.	S7.2.1.2.1, 3 rd para., 1 st sent.	Changed “The RPS sensors, hardware, and logic are diverse from their counterparts on the SSLC/ESF and DPS platforms” to “The RPS hardware/software platform is diverse from SSLC/ESF and DPS” in response to RAI 7.1-139.
307.	S7.2.1.2.1, 3 rd para., 2 nd sent.	Added “RPS has a separate set of sensors from SSLC/ESF, and a diverse set of sensors from DPS” for clarity and consistency with the Diversity and Defense in Depth Topical Report (NEDE-33251).
308.	S7.2.1.2.1, 4 th para., 1 st sent.	Added “a more detailed diagram representing the RPS data flow and configuration is provided in Figures 7.2-11a and 7.2-11b” in response to RAI 7.1-139.
309.	S7.2.1.2.3, 1 st para.	Revised to clarify the use of UPS in response to RAI 7.1-139.
310.	S7.2.1.2.4, 1 st para.	Deleted reference to IEEE Std. 603 in response to RAI 14.3-265S01.
311.	S7.2.1.2.4.1, 1 st para.	Added "Backup scram load drivers are software-free relays." in response to RAI 16.2-135. This change is superseded (deleted) in response to RAI 7.1-139.

Item	Location	Description of Change
312.	S7.2.1.2.4.1, 1 st para., 2 nd sent..	Replaced "...the RPS automatic scram and air header dump (backup scram) initiation logic" with "...the RPS automatic scram and backup scram initiation logic." in response to RAI 16.2-135S01.
313.	S7.2.1.2.4.1, 1 st para., 3 rd sent..	Replaced "...air header dump..." with "...backup scram..." in response to RAI 16.2-135S01.
314.	S7.2.1.2.4.1, Sensor Channels, 2 nd para.	Deleted reference to IEEE Std. 603 in response to RAI 14.3-265S01.
315.	S7.2.1.2.4.1, Divisions of Trip Logic, 3 rd para.	Revised to clarify RTIF BPU and divisional sensors usage with TLU and OLU in response to RAI-7.1-139.
316.	S7.2.1.2.4.1, Divisions of Trip Logic, 4 th para.	Changed "RPS" to "RTIF" in response to RAI 7.2-68.
317.	S7.2.1.2.4.1 Division of Trip Actuators, 1 st para., 1 st sent..	Deleted "air header dump" and "(air header dump)" in response to RAI 16.2-135S01.
318.	S7.2.1.2.4.1 Division of Trip Actuators, 3 rd para., 4 th para.sent.	Added sent. "Backup scram load drivers are software-free relays." in response to RAI 16.2-135S01. This change was superseded (deleted) in response to RAI 7.1-139.
319.	S7.2.1.2.4.1, Divisions of Trip Actuators, 3 rd para.	Replaced "load drivers" with "output contactors in response to RAI 7.1-139.
320.	S7.2.1.2.4.1 Division of Manual Scram Controls, 1 st para.	Replaced "air header dump" with "backup scram" in response to RAI 16.2-135S01.
321.	S7.2.1.2.4.2, 1 st para.	Deleted reference to IEEE Std. 603 in response to RAI 14.3-265S01.
322.	S7.2.1.2.4.2, 1 st para., 2 nd sent.	Revised to clarify the system monitoring the associated process condition is found in the system indicated in parentheses in response to RAI 7.1-139.
323.	S7.2.1.2.4.2, 2 nd para., 2 nd sent.	Changed "RPS" to "RTIF" in response to RAI 7.2-68 in all instances throughout subsection.
324.	S7.2.1.2.4.2, first para., 2 nd sent.	Deleted "is found in the system" for clarity; supersedes previous changes from RAI 7.1-139.
325.	S7.2.1.2.4.2, 9 th bullet	Revised bullet in response to RAI 16.2-186.
326.	S7.2.1.2.4.2, 12 th bullet	Revised bullet in response to RAI 14.3-403.

Item	Location	Description of Change
327.	S7.2.1.2.4.2, 2 nd para.	Revised para. in response to RAI 14.3-403.
328.	S7.2.1.2.4.2, 3 rd para.	Revised “loss of power generation bus” with “loss of all FW flow due to a power generation bus loss” for consistency within section.
329.	S7.2.1.2.4.2, SRNM Trip Signals	Deleted "or high thermal neutron flux level" to make this subsection consistent with Table 7.2-2.
330.	S7.2.1.2.4.2, Main Steamline Isolation Valve Closure	Added “or RMU” for clarification and be consistent with Figure 7.2-2.
331.	S7.2.1.2.4.2, Main Steamline Isolation Valve Closure	Replaced "switches" with "switches with contacts" to ensure that there are at least 32 position switch contacts to support the N-2 capability.
332.	S7.2.1.2.4.2, Feedwater Temperature Biased Simulated Thermal Power	Added “high” to last sent. and deleted last sent. in response to RAI 7.2-69.
333.	S7.2.1.2.4.2, Simulated Thermal Power Biased Feedwater Temperature (new)	Added new para. “Simulated Thermal Power Biased Feedwater Temperature” in response to RAI 7.2-69.
334.	S7.2.1.2.4.2, Control Rod Drive System	Changed “CRDS accumulator charging header pressure” to “scram accumulator charging water header pressure” in response to RAI 16.2-186.
335.	S7.2.1.2.4.2, Control Rod Drive System, last sent.	Changed “HCUs” to “scram accumulator” and deleted “the reactor” in response to RAI 7.2-67.
336.	S7.2.1.2.4.2, Power Generation Bus Loss, heading, 3 rd para.	Revised para. in response to RAI 14.3-403.
337.	S7.2.1.2.4.2, Reset Logic, 2 nd para.	Revised para. in response to RAI 16.2-186.
338.	S7.2.1.2.4.3, Scram Signals to the CRD System, 2 nd para.	Replaced “...two scram air header dump valves of the CRD system (backup scram valves) are...” with “...two backup scram valves of the CRD system are...” in response to RAI 16.2-135 S01.
339.	S7.2.1.2.4.3, Rod Block Signal to the RC&IS	Replaced “Low CRD Charging Water Header Pressure” with “Scram Accumulator Charging Water Header Pressure – Low” in response to RAI 16.2-135.

Item	Location	Description of Change
340.	S7.2.1.2.4.3, Rod Block Signal to the RC&IS	Replaced “CRD charging pressure” with “scram accumulator charging water pressure” in response to RAI 16.2-135.
341.	S7.2.1.2.4.3, Displays, 4 th bullet	Revised bullet in response to RAI 16.2-186.
342.	S7.2.1.2.4.3, Alarms, 10 th bullet	Revised bullet in response to RAI 14.3-403.
343.	S7.2.1.2.4.3, Alarms, 12 th bullet	Revised bullet in response to RAI 16.2-186.
344.	S7.2.1.2.4.3, Alarms, 24 th and 25 th bullets	Revised bullet in response to RAI 16.2-186.
345.	S7.2.1.2.4.3, Uninterruptible AC Power Supply	Revised to clarify the power circuits of the “A” and “B” solenoids of the scram pilot valves are powered from two of the four divisional pairs of 120 VAC UPS in response to RAI 7.1-139.
346.	S7.2.1.2.4.4, new para. 4 th through 8 th	Added new para. to clarify RPS configuration and communication paths in response to RAI 7.1-139.
347.	S7.2.1.2.4.4, 5 th para. (new)	Replaced “extend their address space (memory) to include the memory” with “read the entire shared memory” for clarity and added “(forming a counter-rotating ring)” for clarification. This change is supersedes previous changes made in response to RAI 7.1-139.
348.	S7.2.1.2.4.4, 6 th para. (new)	Replaced “RPS” with “RTIF” for consistency. This change supersedes previous changes made in response to RAI 7.1-139.
349.	S7.2.1.2.4.4, 6 th para. (new)	Replaced “hardwired logic” with “hardware logic” for clarity. This change supersedes previous changes made in response to RAI 7.1-139.
350.	S7.2.1.2.4.4, 8 th para. (new)	Added “(the safety-related function of this VDU is Seismic Category II).” for clarity. This change supersedes previous changes made in response to RAI 7.1-139.
351.	S7.2.1.3.1, 2 nd para.	Revised conformance statement to 10CFR 50.55a(h) in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.

Item	Location	Description of Change
352.	S7.2.1.3.1, 10 CFR 50.34(f)(2)(xviii)[II.F.2]	Deleted 10 CFR 50.34(f)(2)(xviii)[II.F.2] in response to RAIs 7.1-99, 100, 101, and 14.3-265S01. This deletion supersedes the markups in RAI 7.7-7.
353.	S7.2.1.3.1, 3 rd para. (new)	Added 10 CFR 50.34(f)(2)(iii)[I.D.1] conformance in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
354.	S7.2.1.3.1, 4 th para.	Revised 10 CFR 50.34(f)(2)(v)[I.D.3] in response to RAI 14.3-403.
355.	S7.2.1.3.1, 4 th para.	Revised 10 CFR 50.34(f)(2)(v)[I.D.3] conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
356.	S7.2.1.3.1, 5 th para. (new)	Added 10 CFR 50.34(f)(2)[II.K.1.22] in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
357.	S7.2.1.3.1, 8 th para. (new)	Added 10 CFR 50.49 and conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
358.	S7.2.1.3.1, 9 th para. (new)	Added 10 CFR 50.63 and conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
359.	S7.2.1.3.1, 10 th para.	Changed “10 CFR 52.47(a)(1)(iv)” to “10 CFR 52.47(a)(21) in response to RAI 7.5-8.
360.	S7.2.1.3.1, 11 th para.	Changed “10 CFR 52.47(a)(1)(vi)” to “10 CFR 52.47(b)(1)” in response to RAI 7.5-8.
361.	S7.2.1.3.1, 12 th para.	Changed “10 CFR 52.47(a)(1)(vii)” to “10 CFR 52.47(a)(25)” in response to RAI 7.5-8.
362.	S7.2.1.3.1, 13 th para.	Changed “10 CFR 52.47(a)(2)” to “10 CFR 52.47” in response to RAI 7.5-8.
363.	S7.2.1.3.1, 14 th para.	Changed “10 CFR 52.47(b)(2)(i)” to “10 CFR 52.47(c)(2)” in response to RAI 7.5-8.
364.	S7.2.1.3.2, 1 st para.	Added GDC conformances in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
365.	S7.2.1.3.4, 1 st para.	Revised RG 1.22 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.

Item	Location	Description of Change
366.	S7.2.1.3.4, 2 nd para.	Revised RG 1.47 conformance statement to delete reference to IEEE Std. 603 in various locations in response to RAI 14.3-265S01.
367.	S7.2.1.3.4, 3 rd para.	<p>Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D.</p> <p>Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.</p> <p>Revised RG 1.53 conformance statement to delete IEEE reference in various locations in response to RAI 14.3-265S01.</p>
368.	S7.2.1.3.4, 4 th para.	Revised RG 1.62 conformance statement to delete IEEE reference in various locations in response to RAI 14.3-265S01.
369.	S7.2.1.3.4, 5 th para.	Revised RG 1.75 conformance statement to deleted reference to IEEE Std. 384 reference in response to RAIs 14.3-265S01.
370.	S7.2.1.3.4, 6 th para.	Revised RG 1.89 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
371.	S7.2.1.3.4, 7 th para. (new)	Added conformance to RG 1.97 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
372.	S7.2.1.3.4, 8 th para.	Revised RG 1.100 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
373.	S7.2.1.3.4, 10 th para.	Revised RG 1.118 conformance statement in response toRAIs 7.1-99, 100, 101, and 14.3-265S01.
374.	S7.2.1.3.4, 11 th para.	<p>Added RG 1.151 in response to RAI 7.7-7 (was 1st para.).</p> <p>Moved RG 1.151 conformance to this location in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.</p>
375.	S7.2.1.3.4, 13 th para.	Revised RG 1.153 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.

Item	Location	Description of Change
376.	S7.2.1.3.4, 14 th para.	Revised RG 1.168 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
377.	S7.2.1.3.4, 15 th para.	Revised RG 1.169 conformance in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
378.	S7.2.1.3.4, 16 th para.	Revised RG 1.170 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
379.	S7.2.1.3.4, 17 th para.	Revised RG 1.171 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
380.	S7.2.1.3.4, 18 th para.	Revised RG 1.172 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
381.	S7.2.1.3.4, 19 th para.	Revised RG 1.173 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
382.	S7.2.1.3.4, 20 th para.	Revised RG 1.180 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
383.	S7.2.1.3.4, 22 nd para.	Revised RG 1.209 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
384.	S7.2.1.3.5, BTP HICB-3	Deleted conformance to BTP HICB-3 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
385.	S7.2.1.3.5, BTP HICB-10 (new)	Added BTP HICB-10 and conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
386.	S7.2.1.3.5, BTP HICB-11	Revised to clarify certain diverse and hardwired portions of RPS may use coil-to-contact isolation of relays or contactors in response to RAI 7.1-139.
387.	S7.2.1.3.5, to BTP HICB-13	Deleted conformance to BTP HICB-13 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
388.	S7.2.1.3.5, BTP HICB-14	Designated portion of conformance statement as “Tier 2*” information in response to RAI 14.3-420.
389.	S7.2.1.3.5, BTP HICB-14	Revised LTR titles in response to RAI 7.1-108.

Item	Location	Description of Change
390.	S7.2.1.3.5, 14 th para. (new)	Added new para. to clarify that the bracketed and italicized text are “Tier 2*” information in response to RAI 14.3-420.
391.	S7.2.1.4.1, 1 st para.	Deleted reference to IEEE Std. 603 in response to RAI 14.3-265S01.
392.	S7.2.1.5.2.1, 1 st para.	Deleted reference to IEEE Std. 603 in response to RAI 14.3-265S01.
393.	S7.2.1.5.2.1, 1 st bullet	Changed “alarmed” to “indicated” in response to RAI 7.1-139.
394.	S7.2.1.5.2.1, 2 nd bullet	Revised bullet in response to RAI 16.2-186.
395.	S7.2.1.5.2.1, 4 th bullet	Changed “alarmed” to “indicated” in response to RAI 7.1-139.
396.	S7.2.1.5.2.1, 5 th bullet	Revised bullet in response to RAI 14.3-403.
397.	S7.2.1.5.2.1, 5 th bullet	Changed “alarmed” to “indicated” in response to RAI 7.1-139.
398.	S7.2.1.5.2.1, 8 th bullet, 1 st para.	Rewritten for clarity, to clearly describe the coincident non-coincident trip mode of operation when the Reactor Mode switch is placed in the “Run” position.
399.	S7.2.1.5.2.1, 8 th bullet, 2 nd para.	Added “The coincident trip mode is required during reactor startup.” to clarify the use of the coincident trip mode.
400.	S7.2.1.5.2.1, 8 th bullet, 3 rd para.	Deleted para. to coordinate with previous clarification statements.
401.	S7.2.1.5.2.1, 9 th and 10 th bullet	Changed “alarmed” to “indicated” in response to RAI 7.1-139.
402.	S7.2.1.5.2.2, 1 st para.	Deleted reference to IEEE Std. 603 in response to RAI 14.3-265S01.
403.	S7.2.1.5.2.2, 2 nd para., 1 st bullet	Changed “alarmed” to “indicated” in response to RAI 7.1-139.
404.	S7.2.1.5.2.2, 2 nd para., 2 nd bullet	Changed “alarmed” to “indicated” in response to RAI 7.1-139.
405.	S7.2.1.5.2.2, 2 nd para., 2 nd bullet	Changed “RPS” to “RTIF” in response to RAI 7.2-68.
406.	S7.2.1.5.4	Revised bullets and sub-bullets in response to RAI 16.2-186.

Item	Location	Description of Change
407.	S7.2.1.5.4, 1 st para., 1 st – 3 rd bullets	Revised second level bullets in response to RAI 14.3-403.
408.	S7.2.1.5.4, 4 th para., 1 st sub-bullet	Replaced “trips” with “trip mode” (three places) to clarify the description of the functions for three of the Reactor Mode Switch positions.
409.	S7.2.1.5.4, 4 th para., 2 nd sub-bullet	Replaced “Enables automatic bypass of the NMS SRNM trips.” with “Bypasses NMS SRNM trips” to clarify the description of the Reactor Mode Switch “Run” position.
410.	S7.2.2.1, 3 rd para., 3 rd sent.	Revised sent. in response to RAI 7.1-111.
411.	S7.2.2.1.1.1, 1 st para.	Deleted reference to IEEE Std. 603 in response to RAI 14.3-265S01.
412.	S7.2.2.1.1.1, 2 nd and 7 th bullet	Revised to clarify coincident/non-coincident switch in response to RAI 7.1-139.
413.	S7.2.2.1.1.1, 4 th bullet	Clarified the operation of the Reactor Mode Switch, the SRNM internal algorithms, and the period trip. This clarification supercedes the change made in response to RAI 7.1-139.
414.	S7.2.2.1.1.1, 9 th bullet	Replaced “failures” with “critical failures”.
415.	S7.2.2.1.1.1, 9 th bullet	Added “(excitation)” to detector polarizing voltage description.
416.	S7.2.2.2.4.5, 1 st para.	Deleted reference to IEEE Std. 603 in response to RAI 14.3-265S01.
417.	S7.2.2.2.4.6	Revised to clarify the SRNM channels and unbypassed SRNM power signals in response to RAI 7.1-139.
418.	S7.2.2.2.4.6, 1 st para.	Rewritten for clarity, to accurately describe the SRNM bypass operation.
419.	S7.2.2.2.4.6, 2 nd para.	Deleted “The individual unbypassed SRNM power signals are combined and averaged to form a divisional SRNM power signal.” to clarify the operation of the SRNM bypass logic. This clarification supercedes a change made in response to RAI 7.1-139.
420.	S7.2.2.2.4.6, 3 rd para.	Deleted reference to IEEE Std. 603 in response to RAI 14.3-265S01.

Item	Location	Description of Change
421.	S7.2.2.2.5.8, 1 st para., 3 rd sent.	Revised to provide editorial clarification to DBE acronym.
422.	S7.2.2.2.6.4	Replaced “signal output interface units” with “communication interface modules (CIMs)” for clarification in response to RAI 7.1-139
423.	S7.2.2.3.1, 10 CFR 50.55a(h), 1 st para.	Replaced the conformance statement to in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
424.	S7.2.2.3.1, 10 CFR 50.55a(h), 2 nd bullet	Deleted last sent. in response to RAI 7.1-111.
425.	S7.2.2.3.1, 3 rd para. (new)	Added 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
426.	S7.2.2.3.1, 4 th para.	Revised 10 CFR 50.34(f)(2)(v) [I.D.3] in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
427.	S7.2.2.3.1, 5 th para. (new)	Added 10CFR50.34(f)(2)(xviii)[II.F.2] in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
428.	S7.2.2.3.1, 5 th para.	Deleted reference to 10CFR50.34(f)(2)(xviii)[II.F.2] per agreement between GE/BWROG and NRC that BWRs do not need in-core thermocouples for monitoring inadequate core cooling. This supercedes previous addition in response to RAIs 7.1-99, 100, 101 and 14.3-265 S01.
429.	S7.2.2.3.1, 6 th para. (new)	Added 10 CFR 50.49 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
430.	S7.2.2.3.1, 7 th para. (new)	Added 10CFR 50.62 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
431.	S7.2.2.3.1, 8 th para.	Changed “10 CFR 52.47(a)(1)(iv)” to “10 CFR 52.47(a)(21)” in response to RAI 7.5-8.
432.	S7.2.2.3.1, 9 th para.	Changed “10 CFR 52.47(a)(1)(vi)” to “10 CFR 52.47(b)(1)” in response to RAI 7.5-8.
433.	S7.2.2.3.1, 10 th para.	Changed “10 CFR 52.47(a)(1)(vii)” to “10 CFR 52.47(a)(25)” in response to RAI 7.5-8.
434.	S7.2.2.3.1, 11 th para.	Changed “10 CFR 52.47(a)(2)” to “10 CFR 52.47” in response to RAI 7.5-8.
435.	S7.2.2.3.1, 12 th para.	Changed “10 CFR 52.47(b)(2)(i)” to “10 CFR 52.47(c)(2)” in response to RAI 7.5-8.

Item	Location	Description of Change
436.	S7.2.2.3.2, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
437.	S7.2.2.3.4, 3 rd para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
438.	S7.2.2.3.4, 5 th para.	Revised conformance statement to RG 1.89 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
439.	S7.2.2.3.4, 6 th para.	Revised RG 1.97 and conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
440.	S7.2.2.3.4, 7 th para.	Revised conformance statement to RG 1.100 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
441.	S7.2.2.3.4, 8 th para.	Revised conformance statement to RG 1.105 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
442.	S7.2.2.3.4, 9 th para.	Revised conformance statement to RG 1.118 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
443.	S7.2.2.3.4, 11 th para.	Revised conformance statement to RG 1.153 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
444.	S7.2.2.3.4, 12 th para.	Revised conformance statement to RG 1.168 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
445.	S7.2.2.3.4, 13 th para.	Revised conformance statement to RG 1.169 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
446.	S7.2.2.3.4, 14 th para.	Revised conformance statement to RG 1.170 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
447.	S7.2.2.3.4, 15 th para.	Revised conformance statement to RG 1.171 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.

Item	Location	Description of Change
448.	S7.2.2.3.4, 16 th para.	Revised conformance statement to RG 1.172 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
449.	S7.2.2.3.4, 17 th para.	Revised conformance statement to RG 1.173 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
450.	S7.2.2.3.4, 18 th para.	Revised conformance statement to RG 1.180 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
451.	S7.2.2.3.4, 20 th para.	Revised conformance statement to RG 1.209 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
452.	S7.2.2.3.5, 1 st para.	Deleted BTP HICB-3 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
453.	S7.2.2.3.5, 3 rd bullet	Revised BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
454.	S7.2.2.3.5, BTP HICB-14	Revised LTR titles in response to RAI 7.1-108.
455.	S7.2.2.3.5, BTP HICB-14	Designated portion of conformance statement as “Tier 2*” information in response to RAI 14.3-420.
456.	S7.2.2.3.5, 16 th para. (new)para.	Added new para. to clarify that the bracketed and italicized text are “Tier 2*” information in response to RAI 14.3-420.
457.	S7.2.2.5.1, 19 th para.	Deleted “SRNM upscale trip, upscale rod block,” to make this subsection consistent with Table 7.2-2.
458.	S7.2.2.5.2, 9 th para.	Revised to clarify the operation of the Reactor Mode Switch.
459.	S7.2.2.5.3, 2 nd – 6 th para. (new)para.	Added reference to Figures 7.2-4 and 7.2-51; Figure 7.2-12 and para.s to clarify the NMS configuration and communication paths in response to RAI 7.1-139.
460.	S7.2.3	Deleted ", a subsystem" for clarity.
461.	S7.2.3.1.1, 2 nd para.	Changed “a” to “aphysically implemented by the” to clarify SPTM function.
462.	S7.2.3.1.1, 3 rd para., 2 nd and 3 rd bullets	Deleted to clarify SPTM function.

Item	Location	Description of Change
463.	S7.2.3.2.1	Changed “subsystem” to “fuction” to clarify SPTM function.
464.	S7.2.3.2.3, 1 st para.	Changed “thermocouples” to “sensors” to clarify SPTM function.
465.	S7.2.3.2.3, 1 st para., 2 nd bullet	Deleted to clarify SPTM function.
466.	S7.2.3.2.3, 2 nd para.	Deleted “and the DPS RMUs” to to clarify SPTM function.
467.	S7.2.3.3.1, 2 nd para.	Revised 10CFR 50.55a(h) conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
468.	S7.2.3.3.1, 3 rd para. (new)	Added conformance to 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
469.	S7.2.3.3.1, 5 th para. (new)	Added conformance to 10 CFR 50.49 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
470.	S7.2.3.3.1, 6 th para.	Changed “10 CFR 52.47(a)(1)(iv)” to “10 CFR 52.47(a)(21)” in response to RAI 7.5-8.
471.	S7.2.3.3.1, 7 th para.	Changed “10 CFR 52.47(a)(1)(vi)” to “10 CFR 52.47(b)(1)” in response to RAI 7.5-8.
472.	S7.2.3.3.1, 8 th para.	Changed “10 CFR 52.47(a)(1)(vii)” to “10 CFR 52.47(a)(25)” in response to RAI 7.5-8.
473.	S7.2.3.3.1, 9 th para.	Changed “10 CFR 52.47(a)(2)” to “10 CFR 52.47” in response to RAI 7.5-8.
474.	S7.2.3.3.1, 10 th para.	Changed “10 CFR 52.47(b)(2)(i)” to “10 CFR 52.47(c)(2)” in response to RAI 7.5-8.
475.	S7.2.3.3.2, 1 st para.	Deleted GDC conformance in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
476.	S7.2.3.3.3, 1 st para.	Revised conformance statement to II.Q in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
477.	S7.2.3.3.4, 1 st para.	Revised conformance statement to RG 1.22 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
478.	S7.2.3.3.4, 2 nd para.	Revised conformance statement to RG 1.47 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.

Item	Location	Description of Change
479.	S7.2.3.3.4, 3 rd para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
480.	S7.2.3.3.4, 4 th para.	Deleted conformance to RG 1.62 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
481.	S7.2.3.3.4, 5 th para.	Revised conformance statement to RG 1.75 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
482.	S7.2.3.3.4, 6 th para.	Revised conformance statement to RG 1.89 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
483.	S7.2.3.3.4, 7 th para.	Revised conformance statement to RG 1.97 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
484.	S7.2.3.3.4, 8 th para.	Revised conformance statement to RG 1.100 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
485.	S7.2.3.3.4, 9 th para.	Revised conformance statement to RG 1.105 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
486.	S7.2.3.3.4, 10 th para.	Revised conformance statement to RG 1.118 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
487.	S7.2.3.3.4, 11 th para. (new)	Added conformance to RG 1.151 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
488.	S7.2.3.3.4, 12 th para.	Revised conformance statement to RG 1.152 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
489.	S7.2.3.3.4, 13 th para.	Revised conformance statement to RG 1.153 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
490.	S7.2.3.3.4, 14 th para.	Revised conformance statement to RG 1.168 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
491.	S7.2.3.3.4, 15 th para.	Revised conformance statement to RG 1.169 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.

Item	Location	Description of Change
492.	S7.2.3.3.4, 16 th para.	Revised conformance statement to RG 1.170 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
493.	S7.2.3.3.4, 17 th para.	Revised conformance statement to RG 1.171 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
494.	S7.2.3.3.4, 18 th para.	Revised conformance statement to RG 1.172 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
495.	S7.2.3.3.4, 19 th para.	Revised conformance statement to RG 1.173 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
496.	S7.2.3.3.4, 20 th para.	Revised conformance statement to RG 1.180 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
497.	S7.2.3.3.4, 21 st para.	Revised conformance statement to RG 1.204 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
498.	S7.2.3.3.4, 22 nd para.	Revised conformance statement to RG 1.209 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
499.	S7.2.3.3.5, 1 st para.	Deleted conformance to BTP HICB-3 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
500.	S7.2.3.3.5, 2 nd para.	Revised conformance statement to BTP HICB-8 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
501.	S7.2.3.3.5, 3 rd para.	Revised conformance statement to BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
502.	S7.2.3.3.5, 4 th para.	Revised conformance statement to BTP HICB-11 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
503.	S7.2.3.3.5, 5 th para.	Revised conformance statement to BTP HICB-12 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
504.	S7.2.3.3.5, 6 th para.	Deleted conformance to BTP HICB-13 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.

Item	Location	Description of Change
505.	S7.2.3.3.5, 7 th para.	Revised conformance statement to BTP HICB-14 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
506.	S7.2.3.3.5, 8 th para.	Revised conformance statement to BTP HICB-16 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
507.	S7.2.3.3.5, 9 th para.	Revised conformance statement to BTP HICB-17 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
508.	S7.2.3.3.5, 10 th para.	Deleted conformance to BTP-HICB-18 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
509.	S7.2.3.3.5, 11 th para.	Revised conformance statement to BTP HICB-19 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
510.	S7.2.3.3.5, 12 th para.	Revised conformance statement to BTP HICB-21 in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
511.	S7.2.3.3.6	Changed “subsystem” to “fuction” to clarify SPTM function.
512.	S7.2.5, Ref. S7.2-2	Deleted reference in response to RAI 7.1-111.
513.	S7.2.5, Ref. S7.2-3 and S7.2-4	Revised references in response to RAI 7.1-108.
514.	S7.2.5, Ref. S7.2-3 and S7.2-4	Designated reference as “Tier 2*” information in response to RAI 14.3-420.
515.	T7.2-1, 6 th row	Revised table in response to RAI 16.2-186.
516.	T7.2-1, 7 th row	Changed the number of MSIV position switch contacts to 32 to support the N-2 capability.
517.	T7.2-1, 11 th row	Revised row in response to RAI 14.3-403.
518.	T7.2-2	Replaced table and notes to clearly describe the coincident non-coincident trip mode of operation.
519.	T7.2-3	Replaced notes to clearly describe the coincident non-coincident trip mode of operation.
520.	T7.2-3	Added ”Period Withdrawal Permissive” to make this table consistent with Table 7.2-2.
521.	F7.2-1	Revised figure in response to RAI 16.2-186.
522.	F7.2-2	Revised to provide more clarification per RAI 7.1-139

Item	Location	Description of Change
523.	F7.2-2	Added “CRD BACKUP SCRAM VALVES” box and replaced “Actuators for Scram Air Header Dump Valves” with “Actuators for Backup Scram Valves”. In response to RAI 16.2-135 S01.
524.	F7.2-11a	New Figure to provide more clarification per RAI 7.1-139
525.	F7.2-11b	New Figure to provide more clarification per RAI 7.1-139
526.	F7.2-12	New Figure to provide more clarification per RAI 7.1-139
527.	Entire S7.3	Added GDC 29 to the General Design Criteria subsections in response to RAI 7.3-14.
528.	Entire S7.3	Replaced "disable switch" with "disable/test switch" for clarity in response to RAI 7.1-139 response.
529.	S7.3, 1 st para.	Revised based on Figure 7.1-1 updates in response to RAI 7.1-100.
530.	S7.3.1.1.1, 1 st para., 1 st bullet	Revised in response to RAI 21.6-103.
531.	S7.3.1.1.1, 1 st para., 2 nd bullet	Revised in response to RAI 21.6-103.
532.	S7.3.1.1.2, Automatic Operation, 1 st para., 1 st sent.	Deleted reference to IEEE Std. 603 Sections 6.1 and 7.1 in response to RAI 14.3-265 S01.
533.	S7.3.1.1.2, Automatic Operation, 1 st para., 2 nd sent.	Revised in response to RAI 21.6-103.
534.	S7.3.1.1.2, Automatic Operation, 2 nd para., 1 st sent. (new)	Added in response to RAI 21.6-103.
535.	S7.3.1.1.2, Automatic Operation, 4 th para. (new)	Added in response to RAI 21.6-103.
536.	S7.3.1.1.2, Automatic Operation, 5 th para., 1 st sent.	Revised in response to RAI 7.1-139 and RAI 21.6-103.

Item	Location	Description of Change
537.	S7.3.1.1.2, Manual Operation, 1 st para., 1 st sent..	Revised in response to RAI 21.6-103.
538.	S7.3.1.1.2, Manual Operation, 1 st para., 1 st sent.	Deleted reference to IEEE Std. 603, Sections 5.8, 6.2 and 7.2 in response to RAI 14.3-265 S01.
539.	S7.3.1.1.2, Manual Operation, 2 nd para., 2 nd sent.	Deleted reference to IEEE Std. 603, Section 5.2 in response to RAI 14.3-265 S01.
540.	S7.3.1.1.2, Manual Operation, 3 rd para. (new)	Added in response to RAI 21.6-103.
541.	S7.3.1.1.2, Actuation Logic, 2 nd para., 1 st sent.	Revised in response to RAI 21.6-103.
542.	S7.3.1.1.2, S7.3.1.1.2, Actuation Logic, 3 rd para.	Revised in response to RAI 21.6-103 and RAI 7.1-139
543.	S7.3.1.1.2, S7.3.1.1.2, Actuation Logic, 4 th para.	Revised in response to RAI 21.6-103 and RAI 7.1-139.
544.	S7.3.1.1.2, S7.3.1.1.2, Actuation Logic, 6 th para.	Revised in response to RAI 7.1-139.
545.	S7.3.1.1.2, Actuation Logic, 8 th para.	Deleted reference to IEEE Std. 603 Section 5.1 in response to RAI 14.3-265 S01.
546.	S7.3.1.1.2, Actuation Logic, 9 th para., 2 nd sent.	Added "or nonsafety-related load group" for clarity in response to RAI 7.1-139
547.	S7.3.1.1.3.1, 2 nd para.	Revised conformance statement to 50.55a(h) in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.t
548.	S7.3.1.1.3.1, 3 rd para. (new)	Added conformance to 10CFR(f)(1)(v)[II.K3.13] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
549.	S7.3.1.1.3.1, 4 th para. (new)	Added conformance to 10CFR(f)(1)(x)[II.K.3.28] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
550.	S7.3.1.1.3.1, 5 th para. (new)	Added conformance to 10CFR(f)(2)(iii)[I.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
551.	S7.3.1.1.3.1, 7 th para. (new)	Added conformance to 10CFR(f)(2)(x)[II.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
552.	S7.3.1.1.3.1, 8 th para. (new)	Added conformance to 10CFR(f)(2)(xi)[II.D.3] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
553.	S7.3.1.1.3.1, 9 th para.	Deleted conformance to 10 CFR 50.34(f)(2)(xiv) (II.E.4.2).
554.	S7.3.1.1.3.1, 10 th para. (new)	Added conformance to 10CFR(f)(2)(xviii)[II.F.2] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
555.	S7.3.1.1.3.1, 11 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(xix)[II.F3] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
556.	S7.3.1.1.3.1, 13 th para. (new)	Added conformance to 10CFR 50.49 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
557.	S7.3.1.1.3.1, 14 th para.	Revised 10CFR 52.47(a)(21) in response to RAI 7.5-8.
558.	S7.3.1.1.3.1, 15 th para., 14 th bullet	Revised 10CFR 52.47(b)(1) in response to RAI 7.5-8.
559.	S7.3.1.1.3.1, 16 th para., 15 th bullet	Revised 10CFR 52.47(a)(25) in response to RAI 7.5-8.
560.	S7.3.1.1.3.1, 17 th para., 16 th bullet	Revised 10CFR 52.47 in response to RAI 7.5-8.
561.	S7.3.1.1.3.1, 18 th para., 17 th bullet	Revised 10CFR 52.47(c)(2) in response to RAI 7.5-8.
562.	S7.3.1.1.3.2, 1 st para.	Added GDC conformances in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. Added conformance to GDC 29 in response to RAI 7.3-14.
563.	S7.3.1.1.3.4, RG 1.151	Added in response to RAI 7.7-7.
564.	S7.3.1.1.3.4, 1 st para.	Revised conformance statement to RG 1.22 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
565.	S7.3.1.1.3.4, 3 rd para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
566.	S7.3.1.1.3.4, 6 th para.	Revised conformance statement to RG 1.89 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
567.	S7.3.1.1.3.4, 7 th para. (new)	Added conformance to RG 1.97 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
568.	S7.3.1.1.3.4, 8 th para.	Revised conformance statement to RG 1.100 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
569.	S7.3.1.1.3.4, 10 th para.	Revised conformance statement to RG 1.118 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
570.	S7.3.1.1.3.4, 11 th para., (new)	Added conformance to RG 1.151 in response to RAI 7.7-7.
571.	S7.3.1.1.3.4, 13 th para.	Revised conformance statement to RG 1.153 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
572.	S7.3.1.1.3.4, 14 th para.	Revised conformance statement to RG 1.168 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
573.	S7.3.1.1.3.4, 15 th para.	Revised conformance statement to RG 1.169 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
574.	S7.3.1.1.3.4, 16 th bullet	Revised conformance statement to RG 1.170 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
575.	S7.3.1.1.3.4, 17 th para.	Revised conformance statement to RG 1.171 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
576.	S7.3.1.1.3.4, 18 th para.	Revised conformance statement to RG 1.172 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
577.	S7.3.1.1.3.4, 19 th para.	Revised conformance statement to RG 1.173 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
578.	S7.3.1.1.3.4, 20 th para.	Revised conformance to RG 1.180 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
579.	S7.3.1.1.3.4, 22 nd para.	Revised conformance statement to RG 1.209 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
580.	S7.3.1.1.3.5, 1 st para.	Deleted conformance statement to BTP HICB-3 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
581.	S7.3.1.1.3.5, 2 nd para.	Deleted conformance to BTP HICB-4 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
582.	S7.3.1.1.3.5, 3 rd para.	Deleted conformance statement to BTP HICB-6 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
583.	S7.3.1.1.3.5, 4 th para.	Revised conformance statement to BTP HICB-8 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
584.	S7.3.1.1.3.5, 6 th para. (new)	Added Conformance to BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
585.	S7.3.1.1.3.5, 7 th para.	Revised conformance statement to BTP HICB-11 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
586.	S7.3.1.1.3.5, 9 th para.	Deleted conformance to BTP HICB-13 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
587.	S7.3.1.1.3.5, 13 th para.	Deleted conformance to BTP HICB-18 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
588.	S7.3.1.1.3.5, 14 th para.	Revised conformance statement to BTP HICB-19 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
589.	S7.3.1.1.3.6, 1 st para.	Deleted reference to 10CFR 50.34(f)(2)(xiv)(II.E.4.2) in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
590.	S7.3.1.1.4, 1 st para	Replaced TLU with VLU function for clarity in response to RAI 7.1-139.
591.	S7.3.1.1.4, 1 st para.	Deleted "IEEE Std, 603, Sections 4.12, 5.7, and 6.5" in response to RAI 14.3-265 S01.

Item	Location	Description of Change
592.	S7.3.1.1.5, 1 st para.	Deleted "IEEE Std, 603, Section 5.8" in response to RAI 14.3-265 S01.
593.	S7.3.1.1.5, 1 st para., 7 th bullet	Added ADS alarms for clarification in response to RAI 7.1-139. Additionally, this bullet is revised in response to RAI 21.6-103.
594.	S7.3.1.2.1, 1 st para.	Deleted "IEEE Std, 603, Sections 4.1, 4.2, 4.5, 5.1, 5.8, 6.2, 7.2, and 7.3" in response to RAI 14.3-265 S01.
595.	S7.3.1.2.2, 4 th para., 1 st sent.	Revised in response to RAI 7.1-139.
596.	S7.3.1.2.2, Automatic Operation, 1 st para.	Revised in response to RAI 21.6-13.
597.	S7.3.1.2.2, Automatic Operation, 2 nd para.	Revised in response to RAI 21.6-13.
598.	S7.3.1.2.2, Automatic Operation, 3 rd para. (new)	Revised in response to RAI 21.6-13.
599.	S7.3.1.2.2, Manual Operation, 1 st para.,	Deleted reference to IEEE Std. 603 Section 5.2 in response to RAI 14.3-265 S01.
600.	S7.3.1.2.2, Manual Operation, 2 nd para.,	Deleted reference to IEEE Std. 603 Sections 5.8, 6.2 and 7.2 in response to RAI 14.3-265 S01.
601.	S7.3.1.2.2, Manual Operation, 3 rd para.,	Deleted reference to IEEE Std. 603 Sections 5.8, 6.2 and 7.2 in response to RAI 14.3-265 S01.
602.	S7.3.1.2.2, Actuation Logic, 1 st para.	Revised in response to (NO REFERENCE)
603.	S7.3.1.2.2, Actuation Logic, 2 nd and 3 rd para.	Deleted in response to (NO REFERENCE)
604.	S7.3.1.2.2, Actuation Logic, 5 th para.	Revised in response to RAI 7.1-139 and RAI 21.6-103.
605.	S7.3.1.2.2, Actuation Logic, 6 th para.	Provided clarification; "If the measured parameter is at or past the setpoint, a divisional trip is generated and sent both to its own division and to each of the other divisions by appropriately isolated fiber optic cables." in response to RAI 7.1-139.
606.	S7.3.1.2.2, Actuation Logic, 8 th para.	Provided clarification; uses triply redundant logic to perform the two-out-of-four vote on the four divisional trip signals", in response to RAI 7.1-139.

Item	Location	Description of Change
607.	S7.3.1.2.2, Actuation Logic, 9 th para.	Deleted "IEEE Std. 603, Section 5.1" in response to RAI 14.3-265 S01.
608.	S7.3.1.2.2, Actuation Logic, 10 th para.	Provide clarification; "a trip signal is output to the GDCS squib load drivers/discrete outputs", in response to RAI 7.1-139.
609.	S7.3.1.2.2, Actuation Logic, 11 th para., 1 st send.	Identified type of squib initiator, within the RMU, for each equalizing valve squib initiator in response to RAI 7.1-139
610.	S7.3.1.2.2, Actuation Logic, 11 th para., 2 nd send.	Discussed the triply redundant logic in the main SSLC/ESF processors, in response to RAI 7.1-139.
611.	S7.3.1.2.2, Actuation Logic, 14 th para.	Discussed what is Needed to fire the equalizing valve squib initiator, in response to RAI 7.1-139.
612.	S7.3.1.2.2, Deluge System, 4 th para	Added "In the event that this nonsafety-related power is lost, deluge valve power is supplied from each pair of dedicated batteries for 72 hours." in response to RAI-7.1-139
613.	S7.3.1.2.2, Deluge System, 6 th para	Provided clarification; Temperature switches will be use and thermocouples will not be used for this process in response to RAI 7.1-139.
614.	S7.3.1.2.2, Deluge System, 8 th para.	Revised in response to RAI 7.1-139.
615.	S7.3.1.2.3, 7 th para., 2 nd sent.	Deleted "IEEE Std. 603, Section 5.1" in response to RAI 14.3-265 S01.
616.	S7.3.1.2.3.1, 1 st para.	Revised conformance statement to 10 CFR 50.55a(h) in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
617.	S7.3.1.2.3.1, 3 rd para. (new)	Added conformance to 10 CFR 50.34(f)(1)(v)[II.K.3.13] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
618.	S7.3.1.2.3.1, 4 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
619.	S7.3.1.2.3.1, 5 th para.	Added 10 CFR 50.34(f)(2)(xviii)[II.F.2] in response to RAI 7.7-7.

Item	Location	Description of Change
620.	S7.3.1.2.3.1, 5 th para.	Deleted conformance to 10 CFR 50.34(f)(2)(xviii)[II.F.2] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. This deletion supersedes the markup provided in Response to RAI 7.7-7.
621.	S7.3.1.2.3.1, 5 th para.	Revised 10 CFR 50.34(f)(2)(v)[I.D.3] conformance statement to delete IEEE reference in response to RAI 14.3-265 S01.
622.	S7.3.1.2.3.1, 6 th para.	Deleted conformance to 10 CFR 50.34(f)(2)(xiv)(II.E.4.2) in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
623.	S7.3.1.2.3.1, 8 th para. (new)	Added conformance to 10 CFR 50.49 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
624.	S7.3.1.2.3.1, 9 th para. (new)	Added conformance to 10 CFR 50.63 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
625.	S7.3.1.2.3.1, 10 th para	Revised 10 CFR 52.47(a)(21) in response to RAI 7.5-8.
626.	S7.3.1.2.3.1, 11 th para	Revised 10 CFR 52.47(b)(1) in response to RAI 7.5-8.
627.	S7.3.1.2.3.1, 12 th para	Revised 10 CFR 52.47(a)(25) in response to RAI 7.5-8.
628.	S7.3.1.2.3.1, 13 th para	Revised 10 CFR 52.47 in response to RAI 7.5-8.
629.	S7.3.1.2.3.1, 14 th para	Revised 10 CFR 52.47(c)(2) in response to RAI 7.5-8.
630.	S7.3.1.2.3.2, 1 st para.	Added GDC conformances in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. Added conformance to GDC 29 in response to RAI 7.3-14.
631.	S7.3.1.2.3.4, 11 th para.	Revised RG 1.151 in response to RAI 7.7-7.
632.	S7.3.1.2.3.4, 1 st para.	Revised conformance statement to RG 1.22 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
633.	S7.3.1.2.3.4, 3 rd para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
634.	S7.3.1.2.3.4, 6 th para.	Revised conformance statement to RG 1.89 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
635.	S7.3.1.2.3.4, 7 th para. (new)	Added conformance to RG 1.97 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
636.	S7.3.1.2.3.4, 8 th para.	Revised conformance statement to RG 1.100 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
637.	S7.3.1.2.3.4, 10 th para.	Revised conformance statement to RG 1.118 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
638.	S7.3.1.2.3.4, 11 th para.	Revised conformance statement to RG 1.151 in response to RAI 7.7-7
639.	S7.3.1.2.3.4, 13 th para.	Revised conformance statement to RG 1.153 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
640.	S7.3.1.2.3.4, 14 th para.	Revised conformance statement to RG 1.168 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
641.	S7.3.1.2.3.4, 15 th para.	Revised conformance statement to RG 1.169 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
642.	S7.3.1.2.3.4, 16 th para.	Revised conformance statement to RG 1.170 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
643.	S7.3.1.2.3.4, 17 th para.	Revised conformance statement to RG 1.171 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
644.	S7.3.1.2.3.4, 18 th para.	Revised conformance statement to RG 1.172 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
645.	S7.3.1.2.3.4, 19 th para.	Revised conformance statement to RG 1.173 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
646.	S7.3.1.2.3.4, 20 th para.	Revised conformance statement to RG 1.180 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
647.	S7.3.1.2.3.4, 22 nd para.	Revised conformance statement to RG 1.209 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
648.	S7.3.1.2.3.5, 3 rd para.	Deleted conformance to BTP HICB-3 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
649.	S7.3.1.2.3.5, 4 th para.	Deleted conformance to BTP HICB-4 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
650.	S7.3.1.2.3.5, 5 th para.	Deleted conformance to BTP HICB-6 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
651.	S7.3.1.2.3.5, 7 th para. (new)	Added conformance to BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
652.	S7.3.1.2.3.5, 8 th para.	Revised conformance statement to BTP HICB-11 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
653.	S7.3.1.2.3.5, 10 th para.	Deleted conformance to BTP HICB-13 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
654.	S7.3.1.2.3.5, 14 th para.	Deleted conformance to BTP HICB-18 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
655.	S7.3.1.2.3.5, 14 th para.	Revised conformance statement to BTP HICB-19 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
656.	S7.3.1.2.3.6, 1 st para.	Deleted reference to 10 CFR 50.34(f)(2)(xiv)[II.E.4.2].
657.	S7.3.1.2.4, 1 st para.	Deleted "IEEE Std. 603, Sections 5.7 and 6.5" in response to RAI 14.3-265 S01.
658.	S7.3.1.2.5, 1 st para.	Deleted "IEEE Std. 603, Sections 5.8" in response to RAI 14.3-265 S01.
659.	S7.3.2	Deleted incorrect reference to Chapter 16: "and leak rates are discussed in Subsection 16B.3.3".
660.	S7.3.3, 1 st para., 4 th sent.	Revised in response to RAI 7.1-139.
661.	S7.3.3.1, 1 st para.	Deleted "IEEE Std. 603, Sections 5.1, 5.2, 5.6, 5.7, 5.9, 6.1, and 6.8" in response to RAI 14.3-265 S01.
662.	S7.3.3.2, 2 nd para., 11 th bullet (new)	Added " Isolation of high pressure makeup water injection to the RPV" in response to RAI 21.6-103.

Item	Location	Description of Change
663.	S7.3.3.2, 3 rd para., 5 th bullet	Revised " Drywell floor drain and drywell..." in response to RAI 7.1-139.
664.	S7.3.3.2, 9 th bullet	Revised "Equipment areas..." in response to RAI 7.1-139.
665.	S7.3.3.2, 4 th para	Deleted in response to RAI 7.1-139.
666.	S7.3.3.2, 5 th para.	Deleted IEEE reference to delete IEEE reference in response to RAI 14.3-265 S01.
667.	S7.3.3.3, 7 th para., 4 th sent.	Changed DBE to abnormal events for consistency with Chapter 15 definitions.
668.	S7.3.3.3, 2 nd para., 3 rd sent.	Revised in response to RAI 21.6-103.
669.	S7.3.3.3, 3 rd para., 2 nd to 4 th bullet	Revised in response to RAI 21.6-103.
670.	S7.3.3.3, 3 rd para., 5 th bullet (new)	Added in response to RAI 21.6-103.
671.	S7.3.3.3, 4 th para., 2 nd to 5 th bullet	Revised in response to RAI 21.6-103.
672.	S7.3.3.3, 5 th and 6 th para., (new)	Added in response to 21.6-103.
673.	S7.3.3.3, 7 th para.	Deleted reference to IEEE 603, Section 5.2 in response to RAI 14.3-265 S01. Revised to delete IEEE reference in response to RAI 14.3-265 S01.
674.	S7.3.3.3, 7 th para., 4 th sent.	Changed DBE to abnormal events for consistency with Chapter 15 definitions.
675.	S7.3.3.3, 9 th para.	Deleted reference to IEEE603, Section 6.2 and 7.2 in response to RAI 14.3-265 S01. Revised to delete IEEE reference in response to RAI 14.3-265 S01.
676.	S7.3.3.3, 10 th para., 2 nd sent.	Revised in response to RAI 21.6-103.
677.	S7.3.3.3.1, 2 nd para.	Revised conformance statement to 50.55a(h) in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
678.	S7.3.3.3.1, 3 rd para. (new)	Added conformance to 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
679.	S7.3.3.3.1, 4 th para.	Revised 10 CFR 50.34(f)(2)(v)[I.D.3] conformance statement to delete IEEE reference in response to RAI 14.3-265 S01.
680.	S7.3.3.3.1, 5 th para.	Added 10 CFR 50.34(f)(2)(xviii)[II.F.2] in response to RAI 7.7-7.
681.	S7.3.3.3.1, 5 th para.	Deleted conformance to 10 CFR 50.34(f)(2)(xviii)[II.F.2] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-7.
682.	S7.3.3.3.1, 6 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(xv)[II.E.4.4] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
683.	S7.3.3.3.1, 7 th para	Added conformance to 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
684.	S7.3.3.3.1, 7 th para.	Deleted reference to 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] consistent with RAIs 20.0-12 and 20.0-16. This supercedes previous addition in response to RAIs 7.1-99, 100, 101 and 14.3-265 S01.
685.	S7.3.3.3.1, 8 th para. (new)	Added conformance to 10 CFR 50.49 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
686.	S7.3.3.3.1, 9 th para. (new)	Added conformance to 10 CFR 50.63 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
687.	S7.3.3.3.1, 10 th para.	Revised 10 CFR 52.47(a)(21) in response to RAI 7.5-8.
688.	S7.3.3.3.1, 11 th para.	Revised 10 CFR 52.47(b)(1) in response to RAI 7.5-8.
689.	S7.3.3.3.1, 12 th para.	Revised 10 CFR 52.47(a)(25) in response to RAI 7.5-8.
690.	S7.3.3.3.1, 13 th para.	Revised 10 CFR 52.47 in response to RAI 7.5-8.
691.	S7.3.3.3.1, 14 th para.	Revised 10 CFR 52.47(c)(2) in response to RAI 7.5-8.

Item	Location	Description of Change
692.	S7.3.3.3.2, 1 st para., 1 st bullet	Added GDC conformance for specification for LD and IS (<u>Non-MSIV</u>) in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. Added conformance to GDC 29 in response to RAI 7.3-14.
693.	S7.3.3.3.2, 2 nd para. 2 nd bullet (new)	Added new conformance GDC conformance statement specific to LD and IS (<u>MSIV Only</u>) in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. Added conformance to GDC 29 in response to RAI 7.3-14.
694.	S7.3.3.3.4, 2 nd para.	Added conformance to RG 1.45 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. Additionally, the bullet was added in response to RAI 21.6-103.
695.	S7.3.3.3.4, 4 th para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
696.	S7.3.3.3.4, 7 th para.	Revised conformance statement to RG 1.89 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
697.	S7.3.3.3.4, 8 th para. (new)	Added conformance to RG 1.97 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
698.	S7.3.3.3.4, 9 th para.	Revised conformance statement to RG 1.100 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
699.	S7.3.3.3.4, 10 th para.	Revised "RG 1.105 conformance" in response to RAI 7.1-86 S01.
700.	S7.3.3.3.4, 11 th bullet	Revised conformance statement to RG 1.118 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
701.	S7.3.3.3.4, 12 th para. (new)	Added RG 1.151 in response to RAI 7.7-7.
702.	S7.3.3.3.4, 12 th para.	Revised conformance to RG 1.151 in response to RAIs 7.7-7, 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
703.	S7.3.3.3.4, 14 th para.	Revised conformance statement to RG 1.153 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
704.	S7.3.3.3.4, 15 th para.	Revised conformance statements to RG 1.168 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
705.	S7.3.3.3.4, 17 th para.	Revised conformance statements to RG 1.169 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
706.	S7.3.3.3.4, 19 th para.	Revised conformance statements to RG 1.170 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
707.	S7.3.3.3.4, 21 st para.	Revised conformance statements to RG 1.171 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
708.	S7.3.3.3.4, 23 rd bullet and 24 th bullet (new)	Revised conformance statement to RG 1.172 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
709.	S7.3.3.3.4, 25 th para.	Revised conformance statements to RG 1.173 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
710.	S7.3.3.3.4, 27 th para.	Revised conformance statement to RG 1.180 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
711.	S7.3.3.3.4, 29 th para.	Revised conformance statement to RG 1.209 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
712.	S7.3.3.3.5, 1 st para.	Deleted conformance to BTP HICB-3 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. .
713.	S7.3.3.3.5, 2 nd para.	Deleted conformance to BTP HICB-4 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
714.	S7.3.3.3.5, 3 rd para.	Deleted conformance to BTP HICB-6 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
715.	S7.3.3.3.5, 5 th para. (new)	Added conformance to BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
716.	S7.3.3.3.5, 6 th para.	Revised conformance statement to BTP HICB-11 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
717.	S7.3.3.3.5, 8 th para.	Deleted conformance to BTP HICB-13 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
718.	S7.3.3.3.5, 12 th para.	Deleted BTP HICB-18 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
719.	S7.3.3.3.5, 13 th para.	Revised conformance statement to BTP HICB-19 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
720.	S7.3.3.4.2, 1 st para.	Deleted IEEE reference in response to RAI 14.3-265 S01.
721.	S7.3.4.2, 2 nd para., (new)	Added in response to RAI 7.1-139.
722.	S7.3.4.2, 4 th para.	Made corrections for compliance with the DCD Global Acronym List (GAL), replaced CHRA with CRHA.
723.	S7.3.4.2, 6 th para.	Modified/Added information associated with the CRHAVS generally and EFU specifically related to (a) low flow detection at the outlet of the operating EFU filter train, (b) safety classification of low flow detection, (c) safety classification of high radiation detection functions, (d) radiation sensor location, and (e) initiation setpoint to be technically correct and to be consistent with and between Chapters 1, 6, 7, 9, 11, 16, and Tier 1.
724.	S7.3.4.2, 7 th para., 5 th bullet	Revised in response to RAI 7.1-139.
725.	S7.3.4.2, 8 th para.	Revised in response to RAI 7.1-139.
726.	S7.3.4.2, 11 th para., 7 th sent.	Provided clarification of predefined loads in response to RAI 7.1-139

Item	Location	Description of Change
727.	S7.3.4.2, 12 th para (new)	Modified/Added information associated with the CRHAVS generally and EFU specifically related to (a) low flow detection at the outlet of the operating EFU filter train, (b) safety classification of low flow detection, (c) safety classification of high radiation detection functions, (d) radiation sensor location, and (e) initiation setpoint to be technically correct and to be consistent with and between Chapters 1, 6, 7, 9, 11, 16, and Tier 1.
728.	S7.3.4.3.1, 2 nd para.	Revised 10 CFR 50.55a(h) title. Revised conformance statement to 10 CFR 50.55a(h) in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
729.	S7.3.4.3.1, 3 rd para. (new)	Added conformance to 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
730.	S7.3.4.3.1, 5 th para.	Deleted 10 CFR 50.334(f)(2)(xiv)(II.E.4.2) in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
731.	S7.3.4.3.1, 6 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(xxviii)[III.D.3.4] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
732.	S7.3.4.3.1, 8 th para. (new)	Added conformance to 10 CFR 50.49 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
733.	S7.3.4.3.1, 9 th para. (new)	Added conformance to 10 CFR 50.63 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
734.	S7.3.4.3.1, 10 th - 14 th para.	para.para.Revised 10 CFR 52.47s in response to RAI 7.5-8.
735.	S7.3.4.3.2, 1 st para.	Added conformance to GDC 29 in response to RAI 7.3-14.
736.	S7.3.4.3.4, 3 rd para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
737.	S7.3.4.3.4, 6 th para.	Revised conformance statement to RG 1.89 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
738.	S7.3.4.3.4, 7 th para. (new)	Added conformance statement to RG 1.97 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
739.	S7.3.4.3.4, 8 th para.	Revised conformance statement to RG 1.100 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
740.	S7.3.4.3.4, 9 th para.	Revised conformance statement to RG 1.105 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
741.	S7.3.4.3.4, 10 th para.	Revised conformance statement to RG 1.118 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
742.	S7.3.4.3.4, 12 th para.	Revised conformance statement to RG 1.153 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
743.	S7.3.4.3.4, 13 th para.	Revised conformance statement to RG 1.168 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
744.	S7.3.4.3.4, 14 th para.	Revised conformance statement to RG 1.169 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
745.	S7.3.4.3.4, 15 th para.	Revised conformance statement to RG 1.170 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
746.	S7.3.4.3.4, 16 th para.	Revised conformance statement to RG 1.171 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
747.	S7.3.4.3.4, 17 th para.	Revised conformance statement to RG 1.172 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
748.	S7.3.4.3.4, 18 th para.	Revised conformance statement to RG 1.173 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
749.	S7.3.4.3.4, 19 th para.	Revised conformance statement to RG 1.180 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
750.	S7.3.4.3.4, 21 st para.	Revised conformance statement to RG 1.209 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
751.	S7.3.4.3.5, 1 st para.	Deleted conformance to BTP HICB-3 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
752.	S7.3.4.3.5, 2 nd para.	Deleted conformance to BTP HICB-4 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
753.	S7.3.4.3.5, 3 rd para.	Deleted conformance to BTP HICB-6 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
754.	S7.3.4.3.5, 5 th para.	Added conformance to BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
755.	S7.3.4.3.5, 6 th para.	Revised conformance statement to BTP HICB-11 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
756.	S7.3.4.3.5, 8 th para.	Deleted conformance to BTP HICB-13 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
757.	S7.3.4.3.5, 12 th para.	Deleted BTP HICB-18 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
758.	S7.3.4.3.5, 13 th para.	Revised conformance statement to BTP HICB-19 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
759.	S7.3.4.3.6, 1 st para.	Deleted reference to 10 CFR 50.34(f)(2)(xiv)(II.E.4.2) in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
760.	S7.3.5.1, 1 st para.	Added/revised SSLC/ESF language in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
761.	S7.3.5.1, 8 th bullet	Revised in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
762.	S7.3.5.2	Revised in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
763.	S7.3.5.2, 4 th bullet	Revised in response to RA 7.1-99, 100, 101, and 14.3-265 S01.
764.	S7.3.5.2, 1 st para., 4 th bullet	Deleted “The SSLC/ESF architecture is presented Reference 7.3-1” in response to RAI 7.1-112.
765.	S7.3.5.2, 1 st para., 4 th bullet	Deleted “and Reference 7.3-5” in response to RAI 7.1-111.
766.	S7.3.5.2, 1 st para., all bullets	Capitalized all items.

Item	Location	Description of Change
767.	S7.3.5.2, 5 th bullet	Added in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
768.	S7.3.5.2.1, 4 th – 9 th para. (new)	Provided discussion of Figures 7.3-6 through 7.3-10, to explain additional SSLC configuration and communication layout. RAI 7.1-139.
769.	S7.3.5.2.2, 3 rd and 4 th para.	Provided clarification of SSLC/ESF triply redundant logic and processors in response to RAI 7.1-139.
770.	S7.3.5.2.4, 1 st sent.	Discussed division out of service bypass function in response to RAI 7.1-139.
771.	S7.3.5.2.4, 3 rd and 4 th sent.	Discussed triply redundant logic and processors in the SSLC/ESF in response to RAI 7.1-139.
772.	S7.3.5.3, 3 rd para., 2 nd bullet	Revised bullet in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
773.	S7.3.5.3.1, 6 th para.	Revised in response to RAI 14.3-403.
774.	S7.3.5.3.1, 2 nd para.	Revised conformance statement to 10 CFR 50.55a(h) in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
775.	S7.3.5.3.1, 3 rd para. (new)	Added conformance to 10 CFR 50.34(f)(1)(v)[II.K.3.13] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
776.	S7.3.5.3.1, 4 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
777.	S7.3.5.3.1, 5 th para.	Revised 10 CFR 50.34 (f)(2)(v) [I.D.3] conformance statement to delete IEEE reference in response to RAI 14.3-265 S01.
778.	S7.3.5.3.1, 6 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(viii)[II.B.3] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
779.	S7.3.5.3.1, 7 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(x)[II.D.1] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
780.	S7.3.5.3.1, 8 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(xi)[II.D.3] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
781.	S7.3.5.3.1, 10 th para. (new)	Added conformance to 10CFR 50.34(f)(2)(xv) [II.E.4.4] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
782.	S7.3.5.3.1, 11 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(xvii)[II.F.1] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
783.	S7.3.5.3.1, 12 th para. (new)	Added 10 CFR 50.34(f)(2)(xviii)[II.F.2] in response to RAI 7.7-7.
784.	S7.3.5.3.1, 13 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(xix)[II.F.3] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
785.	S7.3.5.3.1, 14 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)[II.K.1.22] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
786.	S7.3.5.3.1, 15 th para.	Replaced “a loss of power to two of the four main FW pumps” with “a power generation bus loss event” in conformance statement to 10 CFR 50.34(f)(2)[II.K.2.10] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01. This change supersedes the markups provided in the response to RAI 7.1-71.
787.	S7.3.5.3.1, 16 th para., 16 th bullet (new)	Added conformance to 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
788.	S7.3.5.3.1, 16 th para.	Deleted reference to 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] consistent with RAIs 20.0-12 and 20.0-16. This supercedes previous addition in response to RAIs 7.1-99, 100, 101 and 14.3-265 S01.
789.	S7.3.5.3.1, 16 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(xxvii)[III.D.3.3] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
790.	S7.3.5.3.1, 17 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(xxviii)[III.D.3.4] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
791.	S7.3.5.3.1, 19 th para. (new)	Added conformance to 10 CFR 50.44(c)(4) in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
792.	S7.3.5.3.1, 20 th para. (new)	Added conformance to 10 CFR 50.49 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
793.	S7.3.5.3.1, 21 ^s para. (new)	Added conformance to 10 CFR 50.62 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
794.	S7.3.5.3.1, 22 nd para. (new)	Added conformance to 10 CFR 50.63 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
795.	S7.3.5.3.1, 23 rd para.	Revised 10 CFR 52.47(a)(21) in response to RAI 7.5-8.
796.	S7.3.5.3.1, 24 th para.	Revised 10 CFR 52.47(b)(1) in response to RAI 7.5-8.
797.	S7.3.5.3.1, 25 th para.	Revised 10 CFR 52.47(a)(25) in response to RAI 7.5-8.
798.	S7.3.5.3.1, 26 th para.	Revised 10 CFR 52.47 in response to RAI 7.5-8.
799.	S7.3.5.3.1, 27 th para.	Revised 10 CFR 52.47(c)(2) in response to RAI 7.5-8.
800.	S7.3.5.3.2, 1 st para.	Added GDC conformances in response to RAI 7.1-99, 100, 101, and 14.3-265 S01. Added conformance to GDC 29 in response to RAI 7.3-14.
801.	S7.3.5.3.3, 2 nd para., 2 nd bullet, dashes	Added SECY-93-087, Item II.T conformance in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
802.	S7.3.5.3.3, SRM SECY-93-087 Item II.T, 1 st bullet	Deleted the last sent. of the 4 th sub-bullet and deleted the 5 th sub-bullet since they do not address the redundancy in the alarm handling system. Deleted the last sent. of the 3 rd sub-bullet since it is redundant with 1 st bullet.
803.	S7.3.5.3.4, 2 nd para. (new)	Added conformance to RG 1.45 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
804.	S7.3.5.3.4, 4 th para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
805.	S7.3.5.3.4, 7 th para.	Revised conformance statement to RG 1.89 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
806.	S7.3.5.3.4, 8 th para. (new)	Added conformance to RG 1.97 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
807.	S7.3.5.3.4, 9 th para.	Revised conformance statement to RG 1.100 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
808.	S7.3.5.3.4, 10 th para.	Added RG 1.151 in response to RAI 7.7-7.
809.	S7.3.5.3.4, 10 th para.	Deleted conformance to RG 1.151 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-7.
810.	S7.3.5.3.4, 10 th para.	Revised conformance statement to RG 1.105 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
811.	S7.3.5.3.4, 11 th para.	Revised conformance statement to RG 1.118 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
812.	S7.3.5.3.4, 13 th para., 13 th bullet	Revised conformance statement to RG 1.153 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
813.	S7.3.5.3.4, 14 th para., 14 th bullet	Revised conformance statement to RG 1.168 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
814.	S7.3.5.3.4, 15 th para., 15 th bullet	Revised conformance statement to RG 1.169 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
815.	S7.3.5.3.4, 16 th para., 16 th bullet	Revised conformance statement to RG 1.170 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
816.	S7.3.5.3.4, 17 th para., 17 th bullet	Revised conformance statement to RG 1.171 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
817.	S7.3.5.3.4, 18 th para., 18 th bullet	Revised conformance statement to RG 1.172 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
818.	S7.3.5.3.4, 19 th para., 19 th bullet	Revised conformance statement to RG 1.173 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
819.	S7.3.5.3.4, 20 th para., 20 th bullet	Revised conformance statement to RG 1.180 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
820.	S7.3.5.3.4, 22 nd para., 2 nd bullet	Revised conformance statement to RG 1.209 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
821.	S7.3.5.3.5, 1 st para.	Added conformance to BTP HICB-1 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
822.	S7.3.5.3.5, 2 nd para.	Deleted conformance to BTP HICB-3 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
823.	S7.3.5.3.5, 3 rd para.	Deleted conformance to BTP HICB-4 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
824.	S7.3.5.3.5, 4 th para.	Deleted conformance to BTP HICB-6 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
825.	S7.3.5.3.5, 6 th para. (new)	Added conformance statement to BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
826.	S7.3.5.3.5, 7 th para.	Revised conformance statement to BTP HICB-11 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
827.	S7.3.5.3.5, 9 th para.	Deleted conformance to BTP HICB-13 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
828.	S7.3.5.3.5, BTP HICB-14	Revised LTR titles in response to RAI 7.1-108.
829.	S7.3.5.3.5, BTP HICB-14	Designated portion of the bullet as "Tier 2*" information in response to RAI 14.3-420.
830.	S7.3.5.4, 1 st para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
831.	S7.3.5.4, 4 th para.	Added "VLU" to the "logic functions" for clarity.
832.	S7.3.6, 1 st para.	Revised in response to RAI 7.3-15.
833.	S7.3.6.1, various	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
834.	S7.3.6.2, 1 st para., 1 st sent.	Revised in response to RAI 7.1-106.
835.	S7.3.6.2, 1 st para., 2 nd bullet, 2 nd sub-bullet	Revised in response to RAI 7.1-106.

Item	Location	Description of Change
836.	S7.3.6.3.1, 2 nd para.	Revised conformance statement to 10 CFR 50.55a(h) in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
837.	S7.3.6.3.1, 3 rd para. (new)	Added conformance to 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
838.	S7.3.6.3.1, 4 th para.	Revised conformance statement to 10 CFR 50.34(f)(2)(v)[I.D3] in response to RAI 14.3-265 S01.
839.	S7.3.6.3.1, 4 th para.	Revised 10 CFR 50.34 (f)(2)(v) [I.D.3] conformance statement to delete IEEE reference in response to RAI 14.3-265 S01.
840.	S7.3.6.3.1, 5 th para.	Deleted conformance to 10 CFR 50.34(f)(2)(xiv)[II.E.4.2] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
841.	S7.3.6.3.1, 6 th para. (new)	Added conformance to 10 CFR 50.49 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
842.	S7.3.6.3.1, 7 th para.	Revised 10 CFR 52.47(a)(21) in response to RAI 7.5-8.
843.	S7.3.6.3.1, 8 th para.	Revised 10 CFR 52.47(b)(1) in response to RAI 7.5-8.
844.	S7.3.6.3.1, 9 th para.	Revised 10 CFR 52.47(a)(25) in response to RAI 7.5-8.
845.	S7.3.6.3.1, 10 th para.	Revised 10 CFR 52.47 in response to RAI 7.5-8.
846.	S7.3.6.3.1, 11 th para.	Revised 10 CFR 52.47(c)(2) in response to RAI 7.5-8.
847.	S7.3.6.3.2, 1 st para.	Added GDC 16 conformance in response to RAI 7.1-99, 100, 101, and 14.3-265 S01. Added conformance to GDC 29 in response to RAI 7.3-14.
848.	S7.3.6.3.4, 3 rd para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
849.	S7.3.6.3.4, 6 th para.	Revised conformance statement to RG 1.89 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
850.	S7.3.6.3.4, 7 th para. (new)	Added conformance statement to RG 1.97 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
851.	S7.3.6.3.4, 8 th bullet	Revised conformance statement to RG 1.100 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
852.	S7.3.6.3.4, 10 th para.	Added conformance statement to RG 1.118 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
853.	S7.3.6.3.4, 12 th para.	Revised conformance statement to RG 1.153 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
854.	S7.3.6.3.4, 13 th para.	Revised conformance statement to RG 1.168 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
855.	S7.3.6.3.4, 14 th para.	Revised conformance statement to RG 1.169 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
856.	S7.3.6.3.4, 15 th para.	Revised conformance statement to RG 1.170 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
857.	S7.3.6.3.4, 16 th para.	Revised conformance statement to RG 1.171 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
858.	S7.3.6.3.4, 17 th para.	Revised conformance statement to RG 1.172 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
859.	S7.3.6.3.4, 18 th para.	Revised conformance statement to RG 1.173 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
860.	S7.3.6.3.4, 19 th para.	Revised conformance statement to RG 1.180 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
861.	S7.3.6.3.4, 21 st para.	Revised conformance statement to RG 1.209 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
862.	S7.3.6.3.5, 3 rd para. (new)	Added conformance to BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
863.	S7.3.6.3.5, 4 th para.	Revised conformance statement to BTP HICB-11 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
864.	S7.3.6.3.5, 6 th para.	Deleted conformance to BTP HICB-13 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
865.	S7.3.6.3.5, 9 th para.	Revised conformance statement to BTP HICB-18 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
866.	S7.3.6.3.6	Deleted "10 CFR 50.34(f)(2)(xiv)[II.E.4.2]" since the Vacuum Breaker Isolation Function does not play any role in isolating the containment.
867.	S7.3.6.4, 1 st para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
868.	S7.3.6.5, 1 st para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
869.	S7.3.8, Ref. 7.3-1	Deleted in response to RAI 7.1-112.
870.	S7.3.8, Ref. 7.3-2	Revised to reflect the latest released revision.
871.	S7.3.8, Ref. 7.3-3 and 7.3-4	Revised in response to RAI 7.1-108.
872.	S7.3.8, Ref. 7.3-3 and 7.3-4	Designated as "Tier 2*" information in response to RAI 14.3-420.
873.	S7.3.8, Ref. 7.3-5	Deleted in response to RAI 7.1-111.
874.	T7.3-1	Replaced "Number of separate logic trains" with "Processor/logic redundancy per division" and change value to 3 in response to RAI 7.1-139
875.	T7.3-1	Clarified the use of Train and replace with "load drivers/discrete outputs" and revise values accordingly.
876.	T7.3-1	Deleted reference to "Trip logic units self-test time interval" since equipment has not been determined. RAI 7.1-139
877.	T7.3-3, row 6	Revised in response to RAI 21.6-103.
878.	T7.3-3, rows 2 - 5	Revised in response to RAI 21.6-103.
879.	F7.3-1a	Revised for clarification and consistency in response to RAI 7.1-139.

Item	Location	Description of Change
880.	F7.3-1b	Revised for clarification and consistency in response toRAI 7.1-139.
881.	F7.3-2	Revised for clarification and consistency in response toRAI 7.1-139.
882.	F7.3-3	Revised for clarification and consistency in response toRAI 7.1-139.
883.	F7.3-3	Added “RB DRAIN SUMP PUMP ACTIVITY” to NSR/NBS, and “SRV DISCHARGE LINE TEMPERATURE” to NSR/EFDS in response to RAI 7.1-139
884.	F7.3-4	Revised for clarification and consistency in response toRAI 7.1-139.
885.	F7.3-5	Revised for clarification and consistency in response toRAI 7.1-139.
886.	F7.3-5	Revised in response to RAI 16.2-186.
887.	F7.3-6	Revised for clarification and consistency in response toRAI 7.1-139.
888.	F7.3-7	Revised for clarification and consistency in response toRAI 7.1-139.
889.	F7.3-8	Revised for clarification and consistency in response toRAI 7.1-139.
890.	F7.3-9	Revised for clarification and consistency in response toRAI 7.1-139.
891.	F7.3-10	Revised for clarification and consistency in response toRAI 7.1-139.
892.	S7.4.1.1, various	Deleted IEEE 603 reference per RAI 14.3-265 S01.
893.	S7.4.1.1, 3 rd para.	Provided additional clarification of SSLC/ESF arrangement. RAI 7.1-139.
894.	S7.4.1.1, 5 th para., 2nd sent.	Revised sent. for technical consistency with Chapter 15.
895.	S7.4.1.1, 6 th para.	Clarified SLC function and Figure 7.1-1 relationship to SSLC/ESF and ATWS/SLC system in response to RAI 7.1-139 and 7.1-100.
896.	S7.4.1.2, 1 st para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.

Item	Location	Description of Change
897.	S7.4.1.2, 1 st para.	Replaced "dual key locked control switches" with "any two of four switches" for clarity and added "that will require at least two manual operator actions" in response to RAI 7.1-139.
898.	S7.4.1.2, 2 nd para.	Added “sustained RPV Level 1 signal for 10 sec” to indicate the SLC actuation in response to RAI 21.6-103, Item 10, RAI 7.1-139 and for clarity and consistency.
899.	S7.4.1.2, 4 th para.	Deleted the word “sensor” in response to RAI 7.1-139.
900.	S7.4.1.2, 4 th para.	Clarified that ATWS/SLC is on an independent control platform not on the mitigation logic platform in response to RAI 7.1-139.
901.	S7.4.1.2, 4 th para., 2 nd sent. (new)	Revised the whole sent with 'ATWS/SLC sensors are not shared with the SSLC/ESF hardware/software platform and are diverse from the DPS hardware/software platform sensors' for consistency; supersedes previous changes from RAI 7.1-139.
902.	S7.4.1.2, 6 th para.	Replaced the term "accumulator shut-off valves" with "injection shut-off valves" to be consistent with the terms as described in Subsection 9.3.5 in response to RAI 7.1-139.
903.	S7.4.1.2, 6 th para.	Replaced “mitigation logic” with “independent control” in response to RAI 7.1-139.
904.	S7.4.1.2.1, 1st para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
905.	S7.4.1.2.2, 1 st bullet	Clarified the first bullet in response to RAI 7.1-139.
906.	S7.4.1.2.2, 1 st bullet	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
907.	S7.4.1.2.2, 2 nd bullet	Replaced the term "accumulator shut-off valves" with "injection shut-off valves" to be consistent with the terms as described in Subsection 9.3.5 in response to RAI 7.1-139.
908.	S7.4.1.2.2, 2 nd bullet	Clarified SLC Injection Function relationship with DPS and SSLC/ESF in response to RAI 7.1-139.
909.	S7.4.1.2.2, 2 nd bullet	Replaced 'SLC can terminate' with 'ATWS/SLC controllers can terminate' for clarification; supersedes previous changes from RAI 7.1-139.

Item	Location	Description of Change
910.	S7.4.1.3, various	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
911.	S7.4.1.3, various	Replaced the term "accumulator shut-off valves" with "injection shut-off valves" to be consistent with the terms as described in Subsection 9.3.5 in response to RAI 7.1-139.
912.	S7.4.1.3, 2 nd para.	Clarified “Only the automatic actuation logic” in response to RAI 7.1-139
913.	S7.4.1.3, 2 nd para.	Clarified that ATWS/SLC is an independent control platform (ICP) and per RAI 7.1-139.
914.	S7.4.1.3, 3 rd para.	Replaced Redundant Signal with Triple SSLC/ESF and ATWS/SLC signals for clarity in response to RAI 7.1-139.
915.	S7.4.1.3, 3 rd para.	Replaced disable switches with disable/test switches and clarified switch functions per RAI 7.1-139.
916.	S7.4.1.3, 4 th para.	Replaced "dual" with "two of four" for clarity and deleted "The manual SLC system switches are protected by key locks to minimize the likelihood of inadvertent operation." to include use of VDU-based switches in response to RAI 7.1-139.
917.	S7.4.1.3.1, 2 nd para.	Revised conformance statement to 10 CFR 50.55a(h) in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
918.	S7.4.1.3.1, 3 rd para. (new)	Added conformance to 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
919.	S7.4.1.3.1, 6 th para., (new)	Added conformance to 10 CFR 50.49 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
920.	S7.4.1.3.1, 7 th para.	Deleted conformance to 10 CFR 50.62 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
921.	S7.4.1.3.1, 8 th – 12 th para.	Updated 10 CFR 52.47s conformance para.s in response to RAI 7.5-8.
922.	S7.4.1.3.2, 2 nd para.	Added GDC conformances in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
923.	S7.4.1.3.4, 3 rd para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
924.	S7.4.1.3.4, 4 th para.	Deleted conformance to RG 1.62 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
925.	S7.4.1.3.4, 5 th para.	Revised conformance statement to RG 1.89 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
926.	S7.4.1.3.4, 6 th para. (new)	Added conformance statement to RG 1.97 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01
927.	S7.4.1.3.4, 7 th para.	Revised conformance statement to RG 1.100 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01
928.	S7.4.1.3.4, 9 th para.	Added conformance statement to RG 1.118 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01
929.	S7.4.1.3.4, 12 th para.	Revised conformance statement to RG 1.153 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
930.	S7.4.1.3.4, 13 th para.	Revised conformance statement to RG 1.168 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
931.	S7.4.1.3.4, 14 th para.	Revised conformance statement to RG 1.169 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
932.	S7.4.1.3.4, 15 th para.	Revised conformance statement to RG 1.170 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
933.	S7.4.1.3.4, 16 th para.	Revised conformance statement to RG 1.171 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
934.	S7.4.1.3.4, 17 th para/	Revised conformance statement to RG 1.172 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
935.	S7.4.1.3.4, 18 th para.	Revised conformance statement to RG 1.173 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
936.	S7.4.1.3.4, 19 th para.	Revised conformance statement to RG 1.180 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
937.	S7.4.1.3.4, 21 st para.	Revised conformance statement to RG 1.209 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
938.	S7.4.1.3.5, 2 nd para. (new)	Added conformance to BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
939.	S7.4.1.3.5, 3 rd para.	Revised conformance statement to BTP HICB-11 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
940.	S7.4.1.3.5, 5 th para.	Deleted conformance to BTP HICB-13 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
941.	S7.4.1.3.5, 8 th para.	Deleted conformance to BTP HICB-18 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
942.	S7.4.1.3.5, 8 th para.	Revised conformance statement to BTP HICB-19 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
943.	S7.4.1.4, 2 nd para.	Replaced the term "accumulator shut-off valves" with "injection shut-off valves" to be consistent with the terms as described in Subsection 9.3.5 in response to RAI 7.1-139.
944.	S7.4.1.4, 3 rd para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
945.	S7.4.1.5, various	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
946.	S7.4.1.5, 1 st para.	Replaced the term "accumulator shut-off valves" with "injection shut-off valves" to be consistent with the terms as described in Subsection 9.3.5 in response to RAI 7.1-139.
947.	S7.4.2.1	Modified existing text to clarify applicability of the RSS to provide the capability to achieve and maintain stable shutdown conditions in response to RAI 7.1-139.
948.	S7.4.2.2.1, 1 st para.	sent.Rewrote para. for clarity and consistency.
949.	S7.4.2.2.1, 1 st para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
950.	S7.4.2.2.1, 7 th and 8 th bullets	Clarified that there are, two nonsafety-related VDU, one each on the PIP A and PIP B network segments per RAI 7.1-139
951.	S7.4.2.2.1, 2 nd para.	Deleted the world "all" and clarified that the functions refer to the Q-DCIS and N-DCIS MCR VDUs.

Item	Location	Description of Change
952.	S7.4.2.2.1, 2 nd para.	Revised based on Figure 7.1-1 updates and the deletion of Figure 7.1-2 in response to RAI 7.1-100.
953.	S7.4.2.2.1, 2 nd para.	Revised to include RSS hardware/software development processes in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
954.	S7.4.2.2.2, 1 st para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
955.	S7.4.2.2.3, 1 st para.	Revised and clarified system operation to be consistent with S7.1.3.2
956.	S7.4.2.3.1, 2 nd para.	Revised conformance statement to 10 CFR 50.55a(h) in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
957.	S7.4.2.3.1, 3 rd para. (new)	Added conformance to 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
958.	S7.4.2.3.1, 4 th para. (new)	Added conformance to 10 CFR 50.34(f)(2)(v)[I.D.3]
959.	S7.4.2.3.1, 5 th para. (new)	Added conformance to 50.49 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
960.	S7.4.2.3.1, 7 th – 11 th para.	Updated 10 CFR 52.47s conformance para.s in response to RAI 7.5-8.
961.	S7.4.2.3.2, 1 st para.	Added GDC conformances in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
962.	S7.4.2.3.3 (new)	Added conformance to SECY-93-087, II.T in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
963.	S7.4.2.3.4 (new), 1 st para.	Added conformance to RG 1.22 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
964.	S7.4.2.3.4, 2 nd para. (new)	Added conformance to RG 1.47 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
965.	S7.4.2.3.4, 3 rd para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
966.	S7.4.2.3.4, 5 th para. (new)	Added conformance to RG 1.89 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
967.	S7.4.2.3.4, 6 th para. (new)	Added conformance statement to RG 1.97 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
968.	S7.4.2.3.4, 7 th para.	Revised conformance statement to RG 1.100 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
969.	S7.4.2.3.4, 8 th para.	Revised conformance to RG 1.118 in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
970.	S7.4.2.3.4, 9 th para.	Revised conformance statement to RG 1.153 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
971.	S7.4.2.3.4, 10 th para.	Revised conformance statement to RG 1.180 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
972.	S7.4.2.3.4, 12 th para.	Revised conformance statement to reference RG 1.209. Added reference to Table 3.11-1 for Environmental Qualification in response to RAIs 7.1-99, 100, 101, 7.4-8, and 14.3-265 S01.
973.	S7.4.2.3.5, 1 st para. (new)	Added conformance to BTP HICB-8 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
974.	S7.4.2.3.5, 2 nd para. (new)	Added conformance to BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
975.	S7.4.2.3.5, 3 rd para.	Revised conformance statement to BTP HICB-11 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
976.	S7.4.2.3.5, 4 th para. (new)	Added conformance to BTP HICB-12 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
977.	S7.4.2.3.5, 8 th para.	Deleted conformance to BTP HICB-18 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
978.	S7.4.2.3.6 (new)	Changed subsection numbering.
979.	S7.4.2.5	Revised para. for clarity.
980.	S7.4.3.1, 2nd para. (new)	Added new para. in response to RAI 7.4-9.
981.	S7.4.3.1.2	Deleted “Nonsafety-Related Design Bases” subsection in response to RAI 7.4-9.
982.	S7.4.3.1.3	Deleted “Power Generation Design Bases” subsection in response to RAI 7.4-9.
983.	S7.4.3.2.1, 1st para.	Revised “Summary Description” per RAI 7.4-9.
984.	S7.4.3.3.1, 1 st para. (new)	Added 10 CFR 50.34(f)(2)(iii) [I.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
985.	S7.4.3.3.1, 3 rd para.	Revised 10 CFR 50.55a(h) conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
986.	S7.4.3.3.1, 5 th para. (new)	Added 10 CFR 50.49 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
987.	S7.4.3.3.1, 6 th para. (new)	Added 10 CFR 50.62 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
988.	S7.4.3.3.1, 7 th – 8 th para.	Updated 10 CFR 52.47 conformance para.s in response to RAI 7.5-8.
989.	S7.4.3.3.1, 9 th - 10 th para. (new)	Added 10 CFR 52.47 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
990.	S7.4.3.3.1, 11 th para. (new)	Added 10 CFR 52.47(c)(2) in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
991.	S7.4.3.3.2, 1 st para.	Added GDC “1” in response to RAI 7.7-14 and GDC “33” and “38” in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
992.	S7.4.3.3.3, 1 st para. (new)	Added RG 1.89 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
993.	S7.4.3.3.3, 2 nd para. (new)	Added RG 1.97 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
994.	S7.4.3.3.3, 3 rd para. (new)	Added RG 1.100 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
995.	S7.4.3.3.3, 5 th para. (new)	Added RG 1.152 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
996.	S7.4.3.3.3, 6 th para. (new)	Added RG 1.153 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
997.	S7.4.3.3.3, 7 th para. (new)	Added RG 1.168 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
998.	S7.4.3.3.3, 8 th para. (new)	Added RG 1.169 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
999.	S7.4.3.3.3, 9 th para. (new)	Added RG 1.170 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1000.	S7.4.3.3.3, 10 th para. (new)	Added RG 1.171 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1001.	S7.4.3.3.3, 11 th para. (new)	Added RG 1.172 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
1002.	S7.4.3.3.3, 12 th para. (new)	Added RG 1.173 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1003.	S7.4.3.3.3, 13 th para.	Revised RG 1.180 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1004.	S7.4.3.3.3, 14 th para.	Deleted RG 1.204 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1005.	S7.4.3.3.3, 14 th para. (new)	Added RG 1.209 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1006.	S7.4.3.3.4, 1 st para. (new)	Added BTP HICB-1 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1007.	S7.4.3.3.4, 2 nd para. (new)	Added BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1008.	S7.4.3.4, 1 st para.	Deleted IEEE reference in response to RAI 14.3-265 S01.
1009.	S7.4.4.1, 1 st para.	Deleted IEEE reference in response to RAI 14.3-265 S01.
1010.	S7.4.4.1, 2 nd para.	Provided clarification of SSLC/ESF relationship in response to RAI 7.1-139. Revised based on Figure 7.1-1 updates and the deletion of Figure 7.1-2 in response to RAI 7.1-100.
1011.	S7.4.4.3, 1 st para.	Added “from SSLC/ESF (refer to Subsection 7.3.5)”, in response to RAI 7.1-139.
1012.	S7.4.4.3, 6 th para.	Revised to discuss the IC/PCCS pool and to identify the systems that provide I&C sensing function in response to RAI 7.1-140.
1013.	S7.4.4.3, 7 th para.	Replaced “equalizing” with “pool cross-connect” per the response to RAI 7.1-140.
1014.	S7.4.4.3.1, 1 st para.	Revised 10 CFR 50.55a(h) conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1015.	S7.4.4.3.1, 2 nd para. (new)	Added 10 CFR 50.34(f)(1)(v)[II.K.3.13] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1016.	S7.4.4.3.1, 3 rd para. (new)	Added 10 CFR 50.34(f)(2)(iii) [I.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
1017.	S7.4.4.3.1, 5 th para. (new)	Added 10 CFR 50.34(f)(2)[II.K.1.22] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1018.	S7.4.4.3.1, 6 th para.	Revised 10 CFR 50.34(f)(2)(xxiii)[II.K.2.10] conformance statement in response to RAIs 7.1-99, 100, 101, 14.3-265 S01, and 14.3-403.
1019.	S7.4.4.3.1, 8 th para. (new)	Added 10 CFR 50.49 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1020.	S7.4.4.3.1, 9 th para. (new)	Added 10 CFR 50.62 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1021.	S7.4.4.3.1, 10 th para. (new)	Added 10 CFR 50.63 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1022.	S7.4.4.3.1, 11 th – 15 th para.	Updated 10 CFR 52.47 conformance para.s in response to RAI 7.5-8.
1023.	S7.4.4.3.2, 2 nd para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1024.	S7.4.4.3.4, 3 rd para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1025.	S7.4.4.3.4, 6 th para.	Revised RG 1.89 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1026.	S7.4.4.3.4, 7 th para. (new)	Added RG 1.97 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1027.	S7.4.4.3.4, 8 th para.	Revised RG 1.100 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1028.	S7.4.4.3.4, 10 th para.	Revised RG 1.118 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1029.	S7.4.4.3.4, 13 th para.	Revised RG 1.153 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1030.	S7.4.4.3.4, 14 th para.	Revised RG 1.168 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
1031.	S7.4.4.3.4, 15 th para.	Revised RG 1.169 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1032.	S7.4.4.3.4, 16 th para.	Revised RG 1.170 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1033.	S7.4.4.3.4, 17 th para.	Revised RG 1.171 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1034.	S7.4.4.3.4, 18 th para.	Revised RG 1.172 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1035.	S7.4.4.3.4, 19 th para.	Revised RG 1.173 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1036.	S7.4.4.3.4, 20 th para.	Revised RG 1.180 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1037.	S7.4.4.3.4, 22 nd para.	Revised RG 1.209 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1038.	S7.4.4.3.5, 2 nd para. (new)	Added BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1039.	S7.4.4.3.5, 5 th para.	Deleted BTP HICB-13 that is generically stated in Subsection 7.1.6.5 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1040.	S7.4.4.3.5, 8 th para.	Deleted BTP HICB-18 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1041.	S7.4.4.3.5, 8 th para.	Revised BTP HICB-19 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1042.	S7.4.4.4, 1 st para.	Deleted IEEE reference in response to RAI 14.3-265 S01.
1043.	S7.4.4.5, various	Deleted IEEE reference in response to RAI 14.3-265 S01.

Item	Location	Description of Change
1044.	Entire S7.4.5	Added new section 7.4.5 with sub-sections 7.4.5.1, .7.4.5.2, 7.4.5.3, 7.4.5.3.1, 7.4.5.3.2, 7.4.5.3.3, 7.4.5.3.4, 7.4.5.3.5, 7.4.5.3.6, 7.4.5.4 and 7.4.5.5 to reflect HPCRD isolation bypass function related logic changes.
1045.	F7.4-1	Clarified that there are two nonsafety-related VDU, one each on the PIP A and PIP B network segments, in response to RAI 7.1-139.
1046.	F7.4-3	Figure was revised for clarity and consistency in response to RAI 7.1-139.
1047.	S7.5, 1 st para., 5th bullet	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1048.	S7.5, 2 nd para.	Revised based on Figure 7.1-1 updates in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. 1st sent. of revision supersedes the markup provided with RAI 6.3-63 (MFN 08-346).
1049.	S7.5, 3 rd para., 1 st sent.	Changed "These diagrams" to "This diagram" in response to RAI 7.1-100.
1050.	S7.5.1.3, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1051.	S7.5.1.3.1, 2 nd para.	Revised 10 CFR 50.55a(h) conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1052.	S7.5.1.3.1, 3 rd para. (new)	Added 10 CFR 50.34(f)(2)(iii) [I.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1053.	S7.5.1.3.1, 4 th para.	Revised 10 CFR 50.34a(f)(2)(v) [I.D.3] conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1054.	S7.5.1.3.1, 5 th para.	Revised 10 CFR 50.34(f)(2)(xvii)[II.F.1] to replace "complies with" to "conforms to".
1055.	S7.5.1.3.1, 6 th para.	Revised 10 CFR 50.34(f)(2)(xviii)[II.F.2] to replace "complies with" to "conforms to".
1056.	S7.5.1.3.1, 9 th para. (new)	Added 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
1057.	S7.5.1.3.1, 9 th para.	Deleted reference to 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] consistent with RAIs 20.0-12 and 20.0-16. This supercedes previous addition in response to RAIs 7.1-99, 100, 101 and 14.3-265 S01.
1058.	S7.5.1.3.1, 9 th para. (new)	Added 10 CFR 50.34(f)(2)(xxvii)[III.D.3.3] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1059.	S7.5.1.3.1, 11 th – 15 th para.	Revised 10 CFR 52.47s entries in response to RAI 7.5-8.
1060.	S7.5.1.3.2, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1061.	S7.5.1.3.4, 1 st para. (new)	Added RG 1.89 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1062.	S7.5.1.3.4, 2 nd para.	Editorial change. Moved RG 1.97 to this location to be in numerical order.
1063.	S7.5.1.3.4, 3 rd bullet	Revised RG 1.100 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1064.	S7.5.1.3.4, 4 th para. (new)	Added RG 1.152 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1065.	S7.5.1.3.4, 5 th para. (new)	Added RG 1.153 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1066.	S7.5.1.3.4, 6 th para. (new)	Added RG 1.168 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1067.	S7.5.1.3.4, 7 th para. (new)	Added RG 1.169 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1068.	S7.5.1.3.4, 8 th para. (new)	Added RG 1.170 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1069.	S7.5.1.3.4, 9 th para. (new)	Added RG 1.171 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1070.	S7.5.1.3.4, 10 th para. (new)	Added RG 1.172 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1071.	S7.5.1.3.4, 11 th para. (new)	Added RG 1.173 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1072.	S7.5.1.3.4, 12 th para.	Revised RG 1.180 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
1073.	S7.5.1.3.4, 13 th para.	Deleted RG 1.204 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1074.	S7.5.1.3.4, 14 th para.	Deleted RG 1.97 from the former location to be in numerical order. Editorial change.
1075.	S7.5.1.3.4, 15 th para. (new)	Added RG 1.209 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1076.	S7.5.1.3.4, Design Criteria, 2 nd para.	Revised section to reflect Chapter 18 content.
1077.	S7.5.1.3.5, 1 st para.	Revised BTP HICB 10 Conformance in response to RAI 7.5-7.
1078.	S7.5.2.1, 1 st para., 3 rd bullet, 3 rd sent.	Revised to add “remotely or” to the 3 rd sent..
1079.	S7.5.2.1, 1 st para., 10 th bullet, 1 st sent.	Revised to add “the sensors located outside containment”.
1080.	S7.5.2.2, 1 st para.	Deleted IEEE reference in response to RAI 14.3-265 S01.
1081.	S7.5.2.2, 1 st para., 9 th bullet	Revised to add “the sensors located outside containment”.
1082.	S7.5.2.3, 1 st para.	Revised for clarity and consistency with respect to design basis events (DBEs) as defined in Chapter 15.
1083.	S7.5.2.3, 1 st para., 2 nd sent.	Revised sent. to include “during and after”
1084.	S7.5.2.3.1, 2 nd para.	Revised 10 CFR 50.55a(h) conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1085.	S7.5.2.3.1, 3 rd para. (new)	Added 10 CFR 50.34(f)(2)(iii) [I.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1086.	S7.5.2.3.1, 6 th para. (new)	Added 10 CFR 50.34(f)(2)(xvii)[II.F.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1087.	S7.5.2.3.1, 7 th para. (new)	Added 10 CFR 50.34(f)(2)(xix)[II.F.3] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1088.	S7.5.2.3.1, 9 th para.	Added 10 CFR 50.34(f)(2)(xvii)[II.F.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1089.	S7.5.2.3.1, 10 th para.	Added 10 CFR 50.34(f)(2)(xix)[II.F.3] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1090.	S7.5.2.3.1, 12 th para. (new)	Added 10 CFR 50.49 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1091.	S7.5.2.3.1, 13 th – 16 th para.	Revised in response to RAI 7.5-8.

Item	Location	Description of Change
1092.	S7.5.2.3.2, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1093.	S7.5.2.3.3, 1 st para.	Deleted former 1st para. and 1st bullet-SRM on SECY-93-087, Item II.T; added new 1st para. and 1st bullet- SRM on SECY 93-087, Item II.Q in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1094.	S7.5.2.3.4, 1 st para. (new)	Added RG 1.22 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1095.	S7.5.2.3.4, 2 nd para. (new)	Added RG 1.45 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1096.	S7.5.2.3.4, 4 th para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1097.	S7.5.2.3.4, 6 th para. (new)	Added RG 1.89 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1098.	S7.5.2.3.4, 7 th para.	Revised RG 1.97 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. This revision supersedes the markup provided in response to RAI 7.5-3 (MFN 06-137).
1099.	S7.5.2.3.4, 8 th para.	Revised RG 1.100 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1100.	S7.5.2.3.4, 9 th para.	RG 1.105 conformance revised in response to RAI 7.1-86 S01.
1101.	S7.5.2.3.4, 10 th para.	Revised RG 1.118 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1102.	S7.5.2.3.4, 13 th para.	Revised RG 1.153 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1103.	S7.5.2.3.4, 14 th para.	Revised RG 1.168 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1104.	S7.5.2.3.4, 15 th para.	Revised RG 1.169 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
1105.	S7.5.2.3.4, 16 th para.	Revised RG 1.170 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1106.	S7.5.2.3.4, 17 th para.	Revised RG 1.171 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1107.	S7.5.2.3.4, 18 th para.	Revised RG 1.172 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1108.	S7.5.2.3.4, 19 th para.	Revised RG 1.173 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1109.	S7.5.2.3.4, 20 th para.	Revised RG 1.180 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1110.	S7.5.2.3.4, 22 nd para.	Revised RG 1.209 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1111.	S7.5.2.3.5, 1 st para. (new)	Added BTP HICB-8 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1112.	S7.5.2.3.5, 2 nd para. (new)	Added BTP HICB-10 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1113.	S7.5.2.3.5, 3 rd para.	Revised BTP HICB-11 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1114.	S7.5.2.3.5, 5 th para.	Deleted BTP HICB-13 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1115.	S7.5.2.3.5, 9 th para.	Deleted BTP HICB-18 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1116.	S7.5.2.3.5, 10 th para. (new)	Added BTP HICB-19 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1117.	S7.5.2.3.5, 11 th para.	Revised to replace “complies with” to “conforms to”.
1118.	S7.5.2.3.5, 12 th para.	Deleted “BTP HICB-18” in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1119.	S7.5.2.4, 1 st para.	Deleted IEEE reference in response to RAI 14.3-265 S01.

Item	Location	Description of Change
1120.	S7.5.3, 1 st para. 6 th – 10 th bullet	Revised in response to RAI 11.0-1.
1121.	S7.5.3.3.1, 1 st para.	Revised 10 CFR 50.55a(a)(1) conformance statement in response to RAIS7.1-99, 100, 101, and 14.3 265 S01.
1122.	S7.5.3.3.1, 2 nd para.	Revised 10 CFR 50.55a(h) conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3 265 S01.
1123.	S7.5.3.3.1, 3 rd para. (new)	Added 10 CFR 50.34(f)(2)(iii) [I.D.1] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1124.	S7.5.3.3.1, 4 th para.	Revised 10 CFR 50.34(f)(2)(v)[I.D.3] to replace “complies with” to “conforms to”.
1125.	S7.5.3.3.1, 5 th para.	Deleted 10 CFR 50.34(f)(2)(viii)[II.B.3] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1126.	S7.5.3.3.1, 6 th para.	Revised 10 CFR 50.34(f)(2)(xvii)[II.F.1] to replace “complies with” to “conforms to”.
1127.	S7.5.3.3.1, 7 th para. (new)	Added 10 CFR 50.34(f)(2)(xix)[II.F.3] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1128.	S7.5.3.3.1, 8 th para.	Revised 10 CFR 50.34(f)(2)(xxvii)[III.D.3.3] to replace “complies with” to “conforms to”.
1129.	S7.5.3.3.1, 9 th para.	Deleted 10 CFR 50.34(f)(2)(xix)[II.F.3] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1130.	S7.5.3.3.1, 10 th para. (new)	Added 10 CFR 50.34(f)(2)(xxviii)[III.D.3.4] in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1131.	S7.5.3.3.1, 12 th para. (new)	Added 10 CFR 50.49 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1132.	S7.5.3.3.1, 13 th – 17 th para.	Revised 10 CFR 52.47s in response to RAI 7.5-8.
1133.	S7.5.3.3.2, 1 st para.	Revised in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1134.	S7.5.3.3.3, 1 st para., 1 st para.	Deleted former 1st para. and 1st bullet-SRM on SECY-93-087, Item II.T; added new 1st para. and 1st bullet- SRM on SECY 93-087, Item II.Q in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1135.	S7.5.3.3.4, 1 st para. (new)	Added RG 1.22 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
1136.	S7.5.3.3.4, 2 nd para. (new)	Added RG 1.45 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1137.	S7.5.3.3.4, 4 th para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1138.	S7.5.3.3.4, 6 th para. (new)	Added RG 1.89 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1139.	S7.5.3.3.4, 7 th para.	Revised RG 1.97 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01. This revision supersedes the markup provided in Response to RAI 11.5-49 (MFN 08-145).
1140.	S7.5.3.3.4, 8 th para.	Revised RG 1.100 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1141.	S7.5.3.3.4, 9 th para.	Revised RG 1.105 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1142.	S7.5.3.3.4, 10 th para.	Revised RG 1.118 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1143.	S7.5.3.3.4, 12 th para.	Revised RG 1.153 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1144.	S7.5.3.3.4, 13 th para.	Revised RG 1.168 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1145.	S7.5.3.3.4, 14 th para.	Revised RG 1.169 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1146.	S7.5.3.3.4, 15 th para.	Revised RG 1.170 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1147.	S7.5.3.3.4, 16 th para.	Revised RG 1.171 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01

Item	Location	Description of Change
1148.	S7.5.3.3.4, 17 th para.	Revised RG 1.172 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1149.	S7.5.3.3.4, 18 th para.	Revised RG 1.173 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1150.	S7.5.3.3.4, 19 th para.	Revised RG 1.180 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1151.	S7.5.3.3.4, 21 st para.(new)	Added RG 1.209 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1152.	S7.5.3.3.5, 1 st para. (new)	Added BTP HICB-8 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1153.	S7.5.3.3.5, 2 nd para.	Revised BTP HICB-10 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1154.	S7.5.3.3.5, 3 rd para.	Revised BTP HICB-11 conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1155.	S7.5.3.3.5, 5 th para.	Deleted BTP HICB-13 that is generically stated in Subsection 7.1.6.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1156.	S7.5.3.3.5, 9 th para.	Deleted BTP HICB-18 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01
1157.	S7.5.3.3.5, 10 th para. (new)	Added BTP HICB-19 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1158.	S7.5.3.3.5, 11 th para.	Revised BTP HICB-21 to replace “complies with” to “conforms to”.
1159.	S7.5.3.3.6, 1 st para.	Deleted "10 CFR 50.34(f)(2)(viii)[II.B.3]" in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1160.	S7.5.4.3, 1 st para.	Revised for clarity and consistency.
1161.	S7.5.4.3.1, 1st para.	Revised 10 CFR 50.55a(a)(1) to replace “complies with” to “conforms to”.
1162.	S7.5.4.3.1, 2 nd para.	Deleted 10 CFR 50.55a(h) in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01 to make DCD content consistent

Item	Location	Description of Change
1163.	S7.5.4.3.1, 3 rd para., (new)	Added 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01 to make DCD content consistent
1164.	S7.5.4.3.1, 4 th para.	Revised 10 CFR 50.34(f)(2)(iii) [I.D.1] to replace “complies with” to “conforms to”.
1165.	S7.5.4.3.1, 5 th para., (new)	Added 10 CFR 50.34(f)(2)(xxviii)[II.F.2] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1166.	S7.5.4.3.1, 6 th para.	Revised 10 CFR 50.34(f)(2)(xxvii)[III.D.3.3] to replace “complies with” to “conforms to”.
1167.	S7.5.4.3.1, 7 th para.	Revised 10 CFR 50.34(f)(2)(xix)[II.F.3] to replace “complies with” to “conforms to”.
1168.	S7.5.4.3.1, 8 th para. (new)	Added 10 CFR 50.34(f)(2)(xxiv)[II.K.3.23] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1169.	S7.5.4.3.1, 9 th para. (new)	Added 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1170.	S7.5.4.3.1, 9 th para.	Deleted reference to 10 CFR 50.34(f)(2)(xxvi)[III.D.1.1] consistent with RAIs 20.0-12 and 20.0-16. This supercedes previous addition in response to RAIs 7.1-99, 100, 101 and 14.3-265 S01.
1171.	S7.5.4.3.1, 13 th para. (new)	Added 10 CFR 52.47 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1172.	S7.5.4.3.1, 14 th para. (new)	Added 10 CFR 52.47(c)(2) in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1173.	S7.5.4.3.1, 10 th – 14 th para.	Revised 10 CFR 52.47s in response to RAI 7.5-8.
1174.	S7.5.4.3.2, 1 st para.	Added GDC “1” in response to RAI 7.7-14.
1175.	S7.5.4.3.2, 1 st para.	Revised in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1176.	S7.5.4.3.2, 1 st para.	Revised to replace “complies with” to “conforms to”.
1177.	S7.5.4.3.3, 1 st para. (new)	Added RG 1.89 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.

Item	Location	Description of Change
1178.	S7.5.4.3.3, 2 nd para.	Revised RG 1.97 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This revision supersedes the markups provided in response to RAI 7.5-3 (MFN 06-137).
1179.	S7.5.4.3.3, 3 rd para. (new)	Added RG 1.100 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1180.	S7.5.4.3.3, 4 th para. (new)	Added RG 1.152 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1181.	S7.5.4.3.3, 5 th para. (new)	Added RG 1.168 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1182.	S7.5.4.3.3, 6 th para. (new)	Added RG 1.169 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1183.	S7.5.4.3.3, 7 th para. (new)	Added RG 1.170 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1184.	S7.5.4.3.3, 8 th para. (new)	Added RG 1.171 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1185.	S7.5.4.3.3, 9 th para. (new)	Added RG 1.172 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1186.	S7.5.4.3.3, 10 th para. (new)	Added RG 1.173 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1187.	S7.5.4.3.3, 11 th para.	Revised RG 1.180 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1188.	S7.5.4.3.3, 12 th para.	Deleted RG 1.204 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. Deleted in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1189.	S7.5.4.3.3, 13 th para. (new)	Added RG 1.209 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1190.	S7.5.4.3.4, 1 st para.,	Revised BTP HICB-10 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This revision supersedes the markups provided in response to RAI 12.4-25 (MFN 08-466).
1191.	S7.5.4.3.4, 2 nd bullet	Revised to replace “complies with” to “conforms to”.
1192.	S7.5.4.3.5, 1 st para.	Revised to replace “complies with” to “conforms to”.

Item	Location	Description of Change
1193.	S7.5.5 title	Replaced Subsystems with Instrumentation for consistency in response to RAI 7.1-99, 100, 101, and 14.3-265 S01.
1194.	Entire S7.5.5	Revised in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1195.	S7.5.5, IC/PCCS Expansion Pools, 2 nd para., 2 nd sent.	Replaced “equalizing” with “pool cross-connect” per the response to RAI 7.1-140.
1196.	S7.5.5, IC/PCCS Expansion Pools, 2 nd para., 2 nd sent.	Added “inner” to more accurately describe the I&C function (the low water level in which expansion pool) used for opening the cross-connect valves per the response to RAI 7.1-140.
1197.	S7.5.5, Buffer Pool, para.	Added in response to RAI 9.1-18 S03
1198.	Entire S7.5.5.3	Deleted “See Subsection 9.1.3.3” reference. Added entire Safety Evaluation, including subsection 7.5.5.3.1 through 7.5.5.3.5 in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.
1199.	S7.5.8, Ref. 7.5-2	Updated to reflect the latest released version.
1200.	F7.5-1	Revised figure in response to RAI 6.2-200.
1201.	S7.6, title	Revised Section title in response to RAI 7.6-3.
1202.	S7.6, 1 st para.	Revised para. in response to RAI 7.6-3.
1203.	S7.6.1, title	Revised Subsection title in response to RAI 7.6-3.
1204.	S7.6.1.1, 1 st para. (new)	Added para. in response to RAI 7.6-3.
1205.	S7.6.1.1, 3 rd para.	Deleted para. in response to RAI 7.6-3.
1206.	S7.6.1.1, 3 rd para., 3 rd and 5 th sent.	Added “logic” to third sent. and deleted 5th sent. in response to RAI 7.6-3.
1207.	S7.6.1.2.1, 1 st para.	Revised para. in response to RAI 7.6-3.
1208.	S7.6.1.2.1, 2 nd para., 2 nd sent.	Revised sent. in response to RAI 7.6-3.
1209.	S7.6.1.2.1, 2 nd para., 1 st sent.	Added “with fuel failure” to be consistent with S5.4.8.2 in response to RAI 7.6-3
1210.	S7.6.1.2.1, 2 nd para.	Replaced 2 nd sent. “These connections allow the RWCU/SDC...” with “Refer to Subsection 5.4.8 for additional information”. New sent. is placed at the end of the para..
1211.	S7.6.1.2.6, 1 st para.	Revised sent. in response to RAI 7.6-3.

Item	Location	Description of Change
1212.	S7.6.1.2.8, 1 st para., 1 st sent.	Revised sent. in response to RAI 7.6-3.
1213.	S7.6.1.2.8, 1 st para.	Deleted “and are provided with hand wheels” to be consistent with chap. 9
1214.	S7.6.1.2.11, 1 st para.	Revised sent. in response to RAI 7.6-3.
1215.	S7.6.1.2.12, 1 st para.	Revised sent. in response to RAI 7.6-3.
1216.	S7.6.1.2.14, 1 st para.	Revised sent. in response to RAI 7.6-3.
1217.	S7.6.1.3, 2 nd - 5 th para.	Revised para.para. in response to RAI 7.6-3.
1218.	S7.6.1.3, 3 rd para., 1 st sent.	Deleted 1st sent. Redundant information with next sent.
1219.	S7.6.1.3.1, 1 st and 2 nd bullets	Revised 10 CFR 50.55a(a)(1) and 10 CFR 50.55a(h) conformance in response to RAI 7.6-3.
1220.	S7.6.1.3.1, 3 rd para.	Revised 10 CFR 50.34(f)(2)(v) conformance in response to RAI 7.1-99.
1221.	S7.6.1.3.1, 4 th – 7 th para.	Revised 10 CFR 52.47(a)(21) through 10 CFR 52.47(c)(2) conformance in response to RAI 7.5-8.
1222.	S7.6.1.3.1, 8 th para.	Revised 10 CFR 52.47 conformance in response to RAI 7.6-3.
1223.	S7.6.1.3.2, 1 st para.	Revised GDC conformance in response to RAI 7.6-3.
1224.	S7.6.1.3.3, 1 st – 3 rd para.	Revised RG 1.47 through RG 1.75 conformance in response to RAI 7.6-3.
1225.	S7.6.1.3.3, 4 th para., 1 st and 2 nd sent.	Revised RG 1.105 conformance in response to RAI 7.6-3 and RAI 7.1-86.
1226.	S7.6.1.3.3, 5 th – 16 th para.	Revised RG 1.118 through RG 1.204 conformance in response to RAI 7.6-3.
1227.	S7.6.1.3.4, 1 st and 2 nd para.	Revised BTP HICB-1 and BTP HICB-11 conformance in response to RAI 7.6-3.
1228.	S7.6.1.3.4, 3 rd para. 1 st and 2 nd sent.	Revised BTP HICB-12 conformance in response to RAI 7.6-3.
1229.	S7.6.1.3.4, 3 rd para., 3 rd sent.	Revised BTP HICB-12 conformance in response to RAI 7.1-86 S01.
1230.	S7.6.1.3.4, 4 th – 8 th para.	Revised BTP HICB-14 through BTP HICB-21 conformance in response to RAI 7.6-3.
1231.	S7.6.1.4, 1 st and 3 rd para.	Revised para.para. in response to RAI 7.6-3.

Item	Location	Description of Change
1232.	S7.6.1.5, 1 st para., 2 nd bullet	Revised para. and bullets in response to RAI 7.6-3.
1233.	S7.6.4	Deleted Reference in response to RAI 7.1-86 S01
1234.	S7.7, 1 st para., 1 st bullet	Revised Bullet in response to RAI 7.7-8.
1235.	S7.7, 2 nd para.	Deleted para. in response to RAI 7.7-8.
1236.	S7.7, 3 rd para.	Revised based on Figure 7.1-1 updates and the deletion of Figure 7.1-2 in response to RAI 7.1-100. Additional revisions in response to RAI 7.7-8.
1237.	S7.7.1, 1 st para., 3 rd sent.	Revised sent. in response to RAI 7.7-8.
1238.	S7.7.1.1.1	Rewrote 1 st para. and deleted al bullets for clarity and in response to RAI 7.7-8.
1239.	S7.7.1.2.2	Changed "The Wide Range Water Level uses the RPV taps above the TAF." to " The Wide Range Water Level uses the RPV taps below the bottom of the active fuel" to be consistent with the changes in NBS.
1240.	S7.7.1.2.1, 2 nd para., 1st sent.	Deleted in response to RAI 7.7-8.
1241.	S7.7.1.2.2, 8 th para., 4 th and 5 th sent.	Revised Subsection text for clarity and in response to RAI 7.7-8.
1242.	S7.7.1.2.2, 10 th to 11 th para..	Deleted para.para. in response to RAI 7.7-8.
1243.	S7.7.1.2.2, 13 th para., 4 th sent.	Deleted sent. in response to RAI 7.7-8.
1244.	S7.7.1.3, 2 nd para.	Revised para.para. in response to RAI 7.7-8.
1245.	S7.7.1.3, 2 nd para.	Deleted para. in response to RAI 7.7-8.
1246.	S7.7.1.3.1, 1 st para.	Deleted 10 CFR 50.34(f)(2)(xviii)[II.F.2] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.1-40 (MFN07-285).
1247.	S7.7.1.3.1, 3 rd para.	Deleted 10 CFR 50.55(a)(h) in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1248.	S7.7.1.3.1, 4 th para. (new)	Added 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.

Item	Location	Description of Change
1249.	S7.7.1.3.1, 5th para.	Deleted 10 CFR 50.34(f)(2)(v)[I.D.3] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1250.	S7.7.1.3.1, 6 th para. (new)	Added 10 CFR 50.34(f)(2)(xviii)[II.F.2] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1251.	S7.7.1.3.1, 8 th para. (new)	Added 10 CFR 50.49 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1252.	S7.7.1.3.1 9 th para	Revised para.10 CFR 52.47(a)(21) in response to RAI 7.5-8
1253.	S7.7.1.3.1 10 th para	Revised para.10 CFR 52.47(b)(1) in response to RAI 7.5-8
1254.	S7.7.1.3.1 11 th para	Revised para.10 CFR 52.47(a)(25) in response to RAI 7.5-8
1255.	S7.7.1.3.1 12 th para	Revised para.10 CFR 52.47 in response to RAI 7.5-8
1256.	S7.7.1.3.1 13 th para	Revised para.10 CFR 52.47(c)(2) in response to RAI 7.5-8
1257.	S7.7.1.3.2, 1 st para.	Revised in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1258.	S7.7.1.3.3	Deleted the entire original section in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1259.	S7.7.1.3.3 (new)	Changed Numbering due to the deletion of section.
1260.	S7.7.1.3.3, 1 st para.	Deleted RG 1.75 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1261.	S7.7.1.3.3, 2 nd para.	Revised RG 1.89 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This revision supersedes the markups provided in response to RAI 7.7-8.
1262.	S7.7.1.3.3, 3 rd para. (new)	Added RG 1.97 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1263.	S7.7.1.3.3, 4 th para.	Revised RG 1.100 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This revision supersedes the markups provided in response to RAI 7.7-8.

Item	Location	Description of Change
1264.	S7.7.1.3.3, 5 th para.	Deleted RG 1.105 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1265.	S7.7.1.3.3, 7 th para.	Deleted RG 1.152 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1266.	S7.7.1.3.3, 8 th para.	Deleted RG 1.153 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1267.	S7.7.1.3.3, 9 th para.	Deleted RG 1.168 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1268.	S7.7.1.3.3, 10 th para.	Deleted RG 1.169 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1269.	S7.7.1.3.3, 11 th para.	Deleted RG 1.170 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1270.	S7.7.1.3.3, 12 th para.	Deleted RG 1.171 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1271.	S7.7.1.3.3, 13 th para.	Deleted RG 1.172 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1272.	S7.7.1.3.3, 14 th para.	Deleted RG 1.173 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1273.	S7.7.1.3.3, 15 th para.	Revised RG 1.180 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.

Item	Location	Description of Change
1274.	S7.7.1.3.3, 17 th para.	Revised RG 1.209 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This revision supersedes the markups provided in response to RAI 7.7-8.
1275.	S7.7.1.3.4	Changed Section numbering due to deletion of previous section.
1276.	S7.7.1.3.4, 1 st bullet	Deleted BTP HICB-11 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01
1277.	S7.7.1.3.4, 2 nd para.	Deleted BTP HICB-12 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This deletion supersedes the markups provided in response to RAI 7.7-8.
1278.	S7.7.1.4, 2nd para., 2 nd sent.	Deleted "IEEE Std. 603, Sections 5.7" reference sent.in response to RAI 7.7-8.
1279.	S7.7.1.5	Rewrote 1 st para. and deleted al bullets in response to RAI 7.7-8.
1280.	S7.7.2.2.1, RAPI Auxiliary Panelspara.,sent.	Revised in response to RAI 16.2-186.
1281.	S7.7.2.2.4, 2 nd para., 3 rd and 4th sent.	Deleted word “hot” in front of shutdown to be correct in context and in compliance with definition in Chapter 15.
1282.	S7.7.2.2.7.4, 2 nd para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
1283.	S7.7.2.2.7.4, 4th para., 5th bullet	Revised in response to RAI 16.2-186.
1284.	S7.7.2.2.7.4, 4th para., 6th bullet	Revised in response to RAI 16.2-186.
1285.	S7.7.2.2.7.5, 2 nd para., 1 st sent.	Deleted the 1 st sent. since it addresses availability not reliability per the title of the para. “RC&IS Reliability”.
1286.	S7.7.2.2.7.7, 1 st para.	Revised para. in response to RAI 4.3-32.
1287.	S7.7.2.2.7.8	Deleted unnecessary HFE details from the para..
1288.	S7.7.2.3, 2 nd para., 2 nd sent.	Revised sent. in response to RAI 7.7-12.
1289.	S7.7.2.3.1, 2 nd bullet (new)	Added 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.

Item	Location	Description of Change
1290.	S7.7.2.3.1, 4 th bullet (new)	Added 10 CFR 50.49 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1291.	S7.7.2.3.1, 5 th para.	Revised 10 CFR 50.62 in response to RAI 7.5-8.
1292.	S7.7.2.3.1, 6 th para.	Revised 10 CFR 52.47(a)(21) in response to RAI 7.5-8.
1293.	S7.7.2.3.1, 7 th para.	Revised 10 CFR 52.47(b)(1), in response to RAI 7.5-8.
1294.	S7.7.2.3.1, 9 th para. (new)	Added 10 CFR 52.47 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1295.	S7.7.2.3.1, 10 th para. (new)	Added 10 CFR 52.47(c)(2) in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1296.	S7.7.2.3.2, 1 st para.	Added GDC “1” in response to RAI 7.7-14.
1297.	S7.7.2.3.2, 1 st para.	Revised in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1298.	S7.7.2.3.3	Added the new S7.7.2.3.3 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1299.	S7.7.2.3.4	Changed numbering per added new section.
1300.	S7.7.2.3.4, 1 st para. (new)	Added RG 1.89 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1301.	S7.7.2.3.4, 2 nd para. (new)	Added RG 1.97 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1302.	S7.7.2.3.4, 3 rd para. (new)	Added RG 1.100 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1303.	S7.7.2.3.4, 4 th para. (new)	Added RG 1.152 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1304.	S7.7.2.3.4, 5 th para. (new)	Added RG 1.168 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1305.	S7.7.2.3.4, 6 th para. (new)	Added RG 1.169 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1306.	S7.7.2.3.4, 7 th para. (new)	Added RG 1.170 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1307.	S7.7.2.3.4, 8 th para. (new)	Added RG 1.171 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1308.	S7.7.2.3.4, 9 th para. (new)	Added RG 1.172 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.

Item	Location	Description of Change
1309.	S7.7.2.3.4, 10 th para. (new)	Added RG 1.173 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1310.	S7.7.2.3.4, 11 th para.	Revised RG 1.180 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1311.	S7.7.2.3.4, 12 th para.	Deleted RG 1.204 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1312.	S7.7.2.3.4, 13 th para.	Added RG 1.209 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1313.	S7.7.2.3.5	Changed numbering from per added new section.
1314.	S7.7.2.3.5, 1 st para. (new)	Added BTP HICB-10 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1315.	S7.7.2.3.5, 3 rd para. (new)	Added BTP HICB-19 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1316.	S7.7.3.1.2, 1 st para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
1317.	S7.7.3.3, 1 st para.	Revised wording order in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1318.	S7.7.3.3, 6th para. (new)	Added para. in response to RAI 7.7-12.
1319.	S7.7.3.3.1, 2 nd para.	Added 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1320.	S7.7.3.3.1, 4 th para. (new)	Added 10 CFR 50.49 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1321.	S7.7.3.3.1, 5 th para.	Revised 10 CFR 50.62 in response to RAI 7.5-8.
1322.	S7.7.3.3.1, 6 th para.	Revised 10 CFR 52.47(a)(21) in response to RAI 7.5-8.
1323.	S7.7.3.3.1, 7 th para.	Revised 10 CFR 52.47(b)(1) in response to RAI 7.5-8.
1324.	S7.7.3.3.1, 9 th para. (new)	Added 10 CFR 52.47 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1325.	S7.7.3.3.1, 10 th para. (new)	Added 10 CFR 52.47(c)(2) in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1326.	S7.7.3.3.2, 1 st para.	Revised in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1327.	S7.7.3.3.2, 1 st para.	Added GDC “1” in response to RAI 7.7-14.

Item	Location	Description of Change
1328.	S7.7.3.3.3	Added the new section in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1329.	S7.7.3.3.4	Changed section numbering per added new section. Additional revisions in response to RAI 7.7-11.
1330.	S7.7.3.3.4, 1 st para. (new)	Added RG 1.89 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1331.	S7.7.3.3.4, 2 nd para. (new)	Added RG 1.97 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1332.	S7.7.3.3.4, 3 rd para. (new)	Added RG 1.100 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1333.	S7.7.3.3.4, 5 th para. (new)	Added RG 1.152 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1334.	S7.7.3.3.4, 6 th para. (new)	Added RG 1.168 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1335.	S7.7.3.3.4, 7 th para. (new)	Added RG 1.169 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1336.	S7.7.3.3.4, 8 th para. (new)	Added RG 1.170 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1337.	S7.7.3.3.4, 9 th para. (new)	Added RG 1.171 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1338.	S7.7.3.3.4, 10 th para. (new)	Added RG 1.172 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1339.	S7.7.3.3.4, 11 th para. (new)	Added RG 1.173 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1340.	S7.7.3.3.4, 12 th para.	Revised RG 1.180 conformance in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1341.	S7.7.3.3.4, 13 th para.	Deleted RG 1.204 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1342.	S7.7.3.3.4, 14 th para. (new)	Added RG 1.209 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1343.	S 7.7.3.3.5	Changed section numbering per added new section.
1344.	S7.7.3.3.5, 2 nd para.,	Added BTP HICB-19 in response to RAI 7.7-11. Additional revisions in response to RAIs 7.1-99, 7.1-100, 7.1-101, and 14.3-265 S01.
1345.	S7.7.3.5.2, 1 st para., 5 th through 7 th bullets	Revised Bullets in response to RAI 7.7-10.

Item	Location	Description of Change
1346.	S7.7.4.2, 1 st para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
1347.	S7.7.4.3, 2 nd para.(new)	Added para. in response to RAI 7.7-12.
1348.	S7.7.4.3.1, 2nd para. (new)	Added 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1349.	S7.7.4.3.1, 4 th para. (new)	Added 10 CFR 50.49 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1350.	S7.7.4.3.1, 5 th para	Revised 10 CFR 52.47(a)(21) in response to RAI 7.5-8.
1351.	S7.7.4.3.1, 6 th para	Revised 10 CFR 52.47(b)(1) in response to RAI 7.5-8.
1352.	S7.7.4.3.1, 7 th para	Revised 10 CFR 52.47(a)(25) in response to RAI 7.5-8.
1353.	S7.7.4.3.1, 8 th para. (new)	Added 10 CFR 52.47 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1354.	S7.7.4.3.1, 9 th para. (new)	Added 10 CFR 52.47(c)(2) in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01
1355.	S7.7.4.3.2, 1 st para.	Revised in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1356.	S7.7.4.3.2, 1 st para.	Added GDC “1” in response to RAI 7.7-14.
1357.	S7.7.4.3.3, 1 st para. (new)	Added RG 1.89 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1358.	S7.7.4.3.3, 2 nd para. (new)	Added RG 1.97 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1359.	S7.7.4.3.3, 3 rd para. (new)	Added RG 1.100 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1360.	S7.7.4.3.3, 4 th para. (new)	Added RG 1.152 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1361.	S7.7.4.3.3, 5 th para. (new)	Added RG 1.168 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1362.	S7.7.4.3.3, 6 th para. (new)	Added RG 1.169 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1363.	S7.7.4.3.3, 7 th para. (new)	Added RG 1.170 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.

Item	Location	Description of Change
1364.	S7.7.4.3.3, 8 th para. (new)	Added RG 1.171 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1365.	S7.7.4.3.3, 9 th para. (new)	Added RG 1.172 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1366.	S7.7.4.3.3, 10 th para. (new)	Added RG 1.173 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1367.	S7.7.4.3.3, 11 th para.	Revised RG 1.180 conformance in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1368.	S7.7.4.3.3, 12 th para.	Deleted RG 1.204 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1369.	S7.7.4.3.3, 13 th para.	Added RG 1.209 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1370.	S7.7.4.3.4, 1 st para. (new)	Added BTP HICB-10 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1371.	S7.7.5.1.2, 1 st para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.
1372.	S7.7.5.3, 2 nd para. (new)	para. added in response to RAI 7.7-12.
1373.	S7.7.5.3.1, 2 nd para. (new)	Added 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01
1374.	S7.7.5.3.1, 3 rd para. (new)	Added 10 CFR 50.49 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1375.	S7.7.5.3.1, 5 th para.	Revised 10 CFR 52.47(a)(21) in response to RAI 7.5-8.
1376.	S7.7.5.3.1, 6 th para.	Revised 10 CFR 52.47(b)(1) in response to RAI 7.5-8.
1377.	S7.7.5.3.1, 7 th para.	Revised 10 CFR 52.47(a)(25) in response to RAI 7.5-8.
1378.	S7.7.5.3.1, 8 th para. (new)	Added 10 CFR 52.47 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1379.	S7.7.5.3.1, 9 th para. (new)	Added 10 CFR 52.47(c)(2) in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1380.	S7.7.5.3.2, 1 st para	Added GDC “1” in response to RAI 7.7-14.
1381.	S7.7.5.3.2, 1 st para.	Revised in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.

Item	Location	Description of Change
1382.	S7.7.5.3.3, 1 st para. (new)	Added RG 1.89 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1383.	S7.7.5.3.3, 2 nd para. (new)	Added RG 1.97 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1384.	S7.7.5.3.3, 3 rd para. (new)	Added RG 1.100 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1385.	S7.7.5.3.3, 5 th para. (new)	Added RG 1.152 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1386.	S7.7.5.3.3, 6 th para. (new)	Added RG 1.168 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1387.	S7.7.5.3.3, 7 th para. (new)	Added RG 1.169 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1388.	S7.7.5.3.3, 8 th para. (new)	Added RG 1.170 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1389.	S7.7.5.3.3, 9 th para. (new)	Added RG 1.171 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1390.	S7.7.5.3.3, 10 th para. (new)	Added RG 1.172 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1391.	S7.7.5.3.3, 11 th para. (new)	Added RG 1.173 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1392.	S7.7.5.3.3, 12 th para.	Revised RG 1.180 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1393.	S7.7.5.3.3, 13 th para.	Deleted RG 1.204 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1394.	S7.7.5.3.3, 14 th para.	Added RG 1.209 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1395.	S7.7.5.3.4, 1 st para. (new)	Added BTP HICB-10 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1396.	S7.7.5.6.10 1 st para.	Clarified to delete specific type of aux boiler and that SP&PC can control steam production of the aux boiler depending on plant conditions.
1397.	S7.7.6.3.1, 2 nd para. (new)	Added 10 CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1398.	S7.7.6.3.1, 4 th para. (new)	Added 10 CFR 50.49 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.

Item	Location	Description of Change
1399.	S7.7.6.3.1, 5 th para.	Revised 10 CFR 52.47(a)(21) in response to RAI 7.5-8.
1400.	S7.7.6.3.1, 6 th para.	Revised 10 CFR 52.47(b)(1) in response to RAI 7.5-8.
1401.	S7.7.6.3.1, 7 th para.	Revised 10 CFR 52.47(a)(25) in response to RAI 7.5-8.
1402.	S7.7.6.3.1, 8 th para. (new)	Added 10 CFR 52.47 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1403.	S7.7.6.3.1, 9 th para. (new)	Added 10 CFR 52.47(c)(2) in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1404.	S7.7.6.3.2, 1 st para.	Revised in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1405.	S7.7.6.3.3, 1 st para. (new)	Added RG 1.89 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1406.	S7.7.6.3.3, 2 nd para. (new)	Added RG 1.97 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1407.	S7.7.6.3.3, 3 rd para. (new)	Added RG 1.100 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1408.	S7.7.6.3.3, 4 th para. (new)	Added RG 1.152 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1409.	S7.7.6.3.3, 5 th para. (new)	Added RG 1.168 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1410.	S7.7.6.3.3, 6 th para. (new)	Added RG 1.169 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1411.	S7.7.6.3.3, 7 th para. (new)	Added RG 1.170 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1412.	S7.7.6.3.3, 8 th para. (new)	Added RG 1.171 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1413.	S7.7.6.3.3, 9 th para. (new)	Added RG 1.172 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1414.	S7.7.6.3.3, 10 th para. (new)	Added RG 1.173 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1415.	S7.7.6.3.3, 11 th para.	Revised RG 1.180 conformance in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.

Item	Location	Description of Change
1416.	S7.7.6.3.3, 12 th para.	Deleted RG 1.204 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1417.	S7.7.6.3.3, 13 th para.	Added RG 1.209 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1418.	S7.7.6.3.4, 1 st para. (new)	Added BTP HICB-10 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1419.	S7.7.7.3.1, 2 nd para. (new)	Added CFR 50.34(f)(2)(iii)[I.D.1] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1420.	S7.7.7.3.1, 3 rd para. (new)	Added 10 CFR 50.34(f)(2)(xv)[II.E.4.4] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1421.	S7.7.7.3.1, 5 th para. (new)	Added 10 CFR 50.49 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1422.	S 7.7.7.3.1, 6 th para.	Revised 10 CFR 52.47(a)(21) in response to RAI 7.5-8.
1423.	S 7.7.7.3.1, 7 th para	Revised 10 CFR 52.47(b)(1) in response to RAI 7.5-8.
1424.	S 7.7.7.3.1, 8 th para	Revised 10 CFR 52.47(a)(25) in response to RAI 7.5-8.
1425.	S7.7.7.3.1, 9 th para. (new)	Added 10 CFR 52.47 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1426.	S7.7.7.3.1, 10 th para. (new)	Added 10 CFR 52.47 (c)(2) in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1427.	S7.7.7.3.2, 1 st para.	Added GDC “1” in response to RAI 7.7-14.
1428.	S7.7.7.3.2, 1 st para.	Revised in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1429.	S7.7.7.3.3, 1 st para. (new)	Added RG 1.89 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1430.	S7.7.7.3.3, 2 nd para. (new)	Added RG 1.97 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1431.	S7.7.7.3.3, 3 rd para. (new)	Added RG 1.100 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1432.	S7.7.7.3.3, 4 th para.	Editorial change. Deleted “ “ “ and added “ : “.
1433.	S7.7.7.3.3, 5 th para. (new)	Added RG 1.152 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.

Item	Location	Description of Change
1434.	S7.7.7.3.3, 6 th para. (new)	Added RG 1.168 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1435.	S7.7.7.3.3, 7 th para. (new)	Added RG 1.169 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1436.	S7.7.7.3.3, 8 th para. (new)	Added RG 1.170 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1437.	S7.7.7.3.3, 9 th para. (new)	Added RG 1.171 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1438.	S7.7.7.3.3, 10 th para.	Added RG 1.172 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1439.	S7.7.7.3.3, 11 th para.	Added RG 1.173 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1440.	S7.7.7.3.3, 12 th para.	Revised RG 1.180 conformance in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1441.	S7.7.7.3.3, 12 th para.	Added “See Table 3.11-1 (Electrical and Mechanical Equipment for Environmental Qualification)” to the conformance statement to be consistent with other RG 1.1.80 conformance statements.
1442.	S7.7.7.3.3, 14 th para. (new)	Added RG 1.209 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1443.	S7.7.7.3.4, 1 st para.	Added BTP HICB-10 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1444.	S7.7.7.3.4, 2 nd para., 1 st sent.	Deleted "Only" in response to RAIs 7.1-99, 7.1-100, 7.2-101, and 14.3-265 S01.
1445.	S7.7-9, Ref. 7.7-1	Updated to reflect the latest release version.
1446.	S7.7-9, Ref. 7.7-3	Deleted; not referenced in Section 7.7.
1447.	F7.7-1	Changed the wide range level lower tap to bellow the bottom of the active fuel to be consistent with the changes in NBS.
1448.	F7.7-4	Revised Acronyms based on the latest Global Acromym List (GAL)
1449.	S7.8.1, 1 st para., 1 st sent.	Revised sent. in response to RAI 7.1-100, RAI 7.8-9, and RAI 21.6-103.
1450.	S7.8.1, 3 rd para., 2 nd sent.	Revised sent. in response to RAI 7.8-9.
1451.	S7.8.1, 3 rd para.	Revised based on Figure 7.1-1 updates and the deletion of Figure 7.1-2 in response to RAI 7.1-100.

Item	Location	Description of Change
1452.	S7.8.1, 4 th para.	Revised para. in response to RAI 21.6-103 and RAI 16.2-135.
1453.	S7.8.1 4 th para. 2 nd sent.	Replaced “three sets of air header dump valves...” with “three sets of ARI valves...”. In response to RAI 16.2-135 S01
1454.	S7.8.1, 5 th para.	Revised para. in response to RAI 7.8-9.
1455.	S7.8.1 6 th para (new)	Added para. in response to RAI 7.5-8 and RAI 7.8-9.
1456.	S7.8.1, 7 th para., 4 th – 6 th bullets	Revised sent. in response to RAI 7.8-9.
1457.	S7.8.1, 7 th para., 8 th Bullet	Replaced “...air header dump...” with “...ARI...”. In response to RAI 16.2-135 S01.
1458.	S7.8.1, 8 th para.	Deleted per RAI 7.8-9.
1459.	S7.8.1.1, 1 st para.	Revised para. in response to RAI 21.6-103.
1460.	S7.8.1.1, 1 st para., 2 nd - 5 th bullets	Revised Bullets in response to RAI 7.8-9, including deleting 5 th bullet.
1461.	S7.8.1.1, 1st para., 6 th bullet	Added Bullet in response to RAI 7.8-9.
1462.	S7.8.1.1.1, 2 nd para.	Revised para. in response to RAI 7.8-9.
1463.	S7.8.1.1.1, 2nd para., 3 rd bullet (new)	Added Bullet in response to RAI 7.8-9.
1464.	S7.8.1.1.1, 3 rd para. (new), 1 st sent.	Added new 3 rd para. "ATWS mitigation logic..." in response to RAI 21.6-103
1465.	S7.8.1.1.1, 3 rd para., 1 st bullet, 2 nd sub-bullet	Revised Bullet in response to RAI 21.6-103.
1466.	S7.8.1.1.1, 3 rd para., 4 th bullet	Revised Bullet in response to RAI 7.8-9.
1467.	S7.8.1.1.1, 4 th and 5 th para.	Revised para.para. in response to RAI 7.8-9.
1468.	S7.8.1.1.1, 5 th para. (new)	Added para. in response to RAI 7.8-9.
1469.	S7.8.1.1.2, Title	Revised Title in response to RAI 21.6-103.
1470.	S7.8.1.1.2, 1 st para.	Revised para. in response to RAI 21.6-103.
1471.	S7.8.1.1.2 2 nd para.	Revised para. in response to RAI 21.6-103.

Item	Location	Description of Change
1472.	S7.8.1.1.1.2 3 rd para. (new)	Added para. in response to RAI 21.6-103.
1473.	S7.8.1.1.2, 1 st para.	Revised in response to RAI 16.2-135.
1474.	S7.8.1.1.2, 1 st para.	Replaced "...ARI air header dump valves..." with "...ARI valves...". In response to RAI 16.2-135 S01.
1475.	S7.8.1.1.2, 1st para., all bullets	Revised Bullets in response to RAI 7.8-9, including deletion of last 2 bullets.
1476.	S7.8.1.1.2, 2 nd and 3 rd (new) para.	Revised para.para. in response to RAI 7.8-9.
1477.	S7.8.1.1.2, 4 th para.	Revised sent. in response RAI 7.8-9.
1478.	S7.8.1.1.4, Title	Revised Title in response to RAI 7.8-9.
1479.	S7.8.1.2, Title	Revised Title in response to RAI 7.8-9.
1480.	S7.8.1.2, 1 st para., new 2 nd sent.	Added in response to RAI 7.8-9.
1481.	S7.8.1.2, 2 nd para., 1 st sent.	Added in response to RAI 7.8-9.
1482.	S7.8.1.2, 3 rd para., 2 nd sent.	Added in response to RAI 7.8-9.
1483.	S7.8.1.2.1, Title	Revised Title in response to RAI 7.8-9.
1484.	S7.8.1.2.1, 1st para., 1st sent.	Revised in response to RAI 7.8-9.
1485.	S7.8.1.2.1, 2 nd para., 1 st - 5th sent.	Revised in response to RAI 7.8-9.
1486.	S7.8.1.2.1, 3 rd para., 2 nd sent.	Revised in response to RAI 7.8-9.
1487.	S7.8.1.2.1, 4 th para., 1 st sent.	Revised in response to RAI 7.8-9.
1488.	S7.8.1.2.2, 4 th para (new)	Added para. in response to RAI 21.6-103.
1489.	S7.8.1.2.2, 5 th para., 1 st and 2 nd sent.	Revised for clarity and consistency with the Diversity and Defense in Depth Topical Report (NEDE-33251).
1490.	S7.8.1.2.2, 5 th para., 3 rd sent.	Revised in response to RAI 7.8-9.
1491.	S7.8.1.2.2, 6 th para., 3 rd sent.	Revised in response to RAI 21.6-103.

Item	Location	Description of Change
1492.	S7.8.1.2.2, 6 th para., 4 th sent.	Revised in response to RAI 21.6-103.
1493.	S7.8.1.2.3, 1 st para	Revised para. in response to RAI 21.6-103.
1494.	S7.8.1.2.3, 2 nd para (new)	Added para. in response to RAI 21.6-103.
1495.	S7.8.1.2.3, 3 rd para (new)	Added para. in response to RAI 21.6-103.
1496.	S7.8.1.2.3, 4 th para	Revised para. in response to RAI 21.6-103.
1497.	S7.8.1.2.4, 1 st para., 3 rd bullet	Revised Bullet in response to RAI 21.6-103.
1498.	S7.8.1.2.4, 1 st para., 4 th bullet (new)	Added Bullet in response to RAI 21.6-103.
1499.	S7.8.1.2.5, 1 st para., 3 rd bullet	<p>Revised Bullet in response to RAI 7.1-140.</p> <p>Replaced “equalizing” with “pool cross-connect” per the response to RAI 7.1-140.</p> <p>Replaced “Isolation Condenser/Passive Containment Cooling” with “IC/PCCS” in two places to provide consistency and to avoid the confusion described by the NRC in RAI 7.1-140.</p> <p>Added “inner” to more accurately describe the I&C function (the low water level in which expansion pool) used for opening the cross-connect valves per the response to RAI 7.1-140.</p>
1500.	S7.8.1.3, 2 nd para., 1 st sent.	Revised sent. in response to RAI 7.8-9.
1501.	S7.8.1.3, 3 rd para., 8 th bullet (new)	Added Bullet in response to RAI 21.6-103.
1502.	S7.8.1.3, 3 rd para., 9 th bullet (new)	Added Bullet in response to RAI 21.6-103.
1503.	S7.8.1.3, 3 rd para., 15 th bullet (new)	Added Bullet in response to RAI 21.6-103.
1504.	S7.8.1.3, 3 rd para., 16 th bullet (new)	Added Bullet in response to RAI 21.6-103.
1505.	S7.8.2.1, 1 st para., 13 th bullet	Revised LTR titles in response to RAI 7.1-108.
1506.	S7.8.2.1, 13 th bullet	Designated as “Tier 2*” information in response to RAI 14.3-420.
1507.	S7.8.3, 1 st para.	Revised to delete IEEE reference in response to RAI 14.3-265 S01.

Item	Location	Description of Change
1508.	S7.8.3, 2 nd para., 2 nd and 3 rd sent.	Revised in response to RAI 7.8-9.
1509.	S7.8.3, 4 th para. (new)	Added new para. in response to RAI 7.8-8.
1510.	S7.8.3, 5 th para. (new)	Added new para. In response to RAI 7.7-11.
1511.	S 7.8.3.1, 2 nd para.	Revised the conformance statement, deleted the old conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This revision supersedes the markup provided in response to RAI 7.1-110.
1512.	S7.8.3.1, 3 rd para. (new)	Added 10 CFR 50.34(f)(2)(iii) [I.D.1] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1513.	S7.8.3.1, 4 th para.	Added 10 CFR 50.34(f)(2)(iv) [I.D.2] in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1514.	S7.8.3.1, 5 th para.	Revised 10 CFR 50.34(f)(2)(v)[I.D.3]; Changed () to []. Changed “diverse I&C systems” to “safety-related ATWS mitigation logic to be in response to RAIs 7.1-99, 7.1-100, 7.1-101, and 14.3-265 S01.
1515.	S7.8.3.1, 7 th para.	Added 10 CFR 50.49 and conformance statement in response to RAIs 7.1-99, 100, 101, and 14.3-265S01.
1516.	S7.8.3.1, 9 th – 13 th para.	Revised 10 CFR 52.47s in response to RAI 7.5-8.
1517.	S7.8.3.2, 1 st para.	Added GDC in response to RAI 7.1-110.
1518.	S7.8.3.2, 1 st para.	Revised in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1519.	S7.8.3.2, 2 nd para. (new)	Added separate GDC conformance in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. Removal of GDCs 20-23 were deleted in response to RAI 7.1-110.
1520.	S7.8.3.4, 3 rd para.	Revised RG 1.53 conformance statement to include reference to IEEE Std. 379 specifically in response to RAI 7.1-100D. Revised for consistency in response to RAIs 7.1-99, 100, 101, and 14.3-265 S01.

Item	Location	Description of Change
1521.	S7.8.3.4, 6 th para.	Revised RG 1.89 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01. This revision supersedes the markup provided in response to RAI 7.1-47 (MFN 07-505)
1522.	S7.8.3.4, 7 th para. (new)	Added RG 1.97 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01
1523.	S7.8.3.4, 8 th para.	Revised RG 1.100 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1524.	S7.8.3.4, 9 th para.	Revised RG 1.105 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1525.	S7.8.3.4, 12 th para.	Revised RG 1.152 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1526.	S7.8.3.4, 13 th para.	Revised RG 1.153 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1527.	S7.8.3.4, 14 th para.	Revised RG 1.168 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1528.	S7.8.3.4, 15 th para.	Revised RG 1.169 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1529.	S7.8.3.4, 16 th para.	Revised RG 1.170 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1530.	S7.8.3.4, 17 th para.	Revised RG 1.171 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1531.	S7.8.3.4, 18 th para.	Revised RG 1.172 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1532.	S7.8.3.4, 19 th para.	Revised RG 1.173 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1533.	S7.8.3.4, 20 th para.	Revised RG 1.80 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01

Item	Location	Description of Change
1534.	S7.8.3.4, 21 st para.	Revised RG 1.204 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1535.	S7.8.3.4, 22 nd para.	Revised RG 1.209 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1536.	S7.8.3.5, 2 nd para. (new)	Added BTP HICB-10 in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1537.	S7.8.3.5, 3 rd para.	Revised BTP HICB-11 conformance statement in response to RAI 7.1-99, RAI 7.1-100, RAI 7.1-101 and RAI 14.3-265 S01.
1538.	S7.8.3.5, 9 th para.	Revised in response to RAI 7.5-8.
1539.	S7.8.7, Ref. 7.8-1	Revised Reference in response to RAI 7.1-131.
1540.	S7.8.7, Ref. 7.8-3	Revised Reference in response to RAI 7.1-108.
1541.	S7.8.7, Ref. 7.8-3	Designated Reference as “Tier 2*” information in response to RAI 14.3-420.
1542.	S7.8.7, Ref. 7.8-4	Revised reference to reflect latest released revision.
1543.	T7.8-1	Added Table in response to RAI 7.8-9.
1544.	T7.8-2	Added Table in response to RAI 7.8-9.
1545.	T7.8-3	Added Table in response to RAI 7.8-9.
1546.	T7.8-3, IC/PCCS entry	Added “FAPCS” to “Interfacing System” column in response to RAI 7.7-11.
1547.	T7.8-4	Added Table in response to RAI 7.8-9.
1548.	F7.8-1	Revised Figure in response to RAI 7.7-11, RAI 21.6-103, and RAI 16.2-135.
1549.	F7.8-1	Replaced “CRD HCUs” with “CRD ARI VALVES” in one place. In response to RAI 16.2-135 S01.
1550.	7.B.1, item (1), 1 st bullet	Replaced "Cyber Security Program" with "Cyber Security Program Plan".
1551.	S7.B.1, 2 nd para. (new)	Added a definition for "Software Project".