

## ESBWR DCD Tier 2

## 26A6642AJ Revision 5 to Revision 6 Change List

Item	Location	Description
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.	Throughout Section 3.1	General editorial changes to standardize definitions and use of acronyms
3.	S3.1.1.1, cross reference section	Added cross reference pointers to subsections: 3.9, 3.10, 3.11, 5, 6, 7, 9.1.5, and 9.3 per RAI 3.1-1 response.
4.	S3.1.1.2, cross reference section	Added cross reference pointers to subsections: 5.2, 5.4.6, 5.4.7, 5.4.8, 6.2.2, 6.2.4, 6.3, 7, 8.1.5.2, 8.3, 9, and 19A per RAI 3.1-1 response.
5.	S3.1.1.3, cross reference section	Added cross reference pointers to subsections: 5.4.7 and 11.3 per RAI 3.1-1 response.
6.	S3.1.1.4, cross reference section	Added cross reference pointers to subsections: 3.9, 3.10, 4.6, 5.3, 5.4.6, 5.4.7, 5.4.8, and 9 per RAI 3.1-1 response.
7.	S3.1.2.1, cross reference section	Added cross reference pointers to subsections: 3.9 and 7.1 per RAI 3.1-1 response.
8.	S3.1.2.3, cross reference section	Added cross reference pointers to subsections: 4D, 7.1, and 7.8 per RAI 3.1-1 response.
9.	S3.1.2.4, cross reference section	Added cross reference pointers to subsections: 5.4.8, 6.3, and 9 per RAI 3.1-1 response.
10.	S3.1.2.5, cross reference section	Added cross reference pointers to subsections: 5.4.8, 5.4.12, 6.1, and 9.3.2 per RAI 3.1-1 response.
11.	S3.1.2.6, cross reference section	Added cross reference pointers to subsections: 5.4.8, 7.1, 7.3, and 7.5 per RAI 3.1-1 response.
12.	S3.1.2.7, cross reference section	Added cross reference pointers to subsections: 7.1 and 7.3 per RAI 3.1-1 response.
13.	S3.1.2.8, cross reference section	Added cross reference pointers to subsections: 5.4.6, 5.4.12, 6.3, 8.1.5.2, and 9.3.5 per RAI 3.1-1 response.
14.	S3.1.2.9, cross reference section	Added cross reference pointers to subsections: 8.1.5.2 and 8.2 per RAI 3.1-1 response.
15.	S3.1.2.10, cross reference section	Added cross reference pointers to subsections: 5.4.7, 5.4.12, 6.3, 9.4.7, 11.5 and 19A per RAI 3.1-1 response.
16.	S3.1.3.1, cross reference section	Added cross reference pointers to subsections: 7.1, 7.3, 7.4, 7.5, 7.7, and 7.8 and deleted 7.3.1, 7.3.3, and 7.3.4 per RAI 3.1-1 response.

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17.	S3.1.3.2, cross reference section	Added cross reference pointers to subsections: 7.1, 7.3, 7.4, 7.5, 7.7, and 7.8 and deleted 7.3.4 per RAI 3.1-1 response.
18.	S3.1.3.3, cross reference section	Added cross reference pointers to subsections: 7.1, 7.3, 7.4, 7.5, 7.7, and 7.8 and deleted 7.3.1 and 7.3.3 per RAI 3.1-1 response.
19.	S3.1.3.4, cross reference section	Added cross reference pointers to subsections: 3.11, 4.6, 7.1, 7.3, 7.4, 7.5, 7.7, and 7.8 per RAI 3.1-1 response.
20.	S3.1.3.5, cross reference section	Added cross reference pointers to subsections: 7.1, 7.3, 7.4, 7.5, 7.6, 7.7, and 7.8 and deleted 7.3.1, 7.3.3, 7.3.4, 7.4.5, 7.5.3, and 7.7.2 per RAI 3.1-1 response.
21.	S3.1.3.6, cross reference section	Added cross reference pointers to subsections: 7.1 and 7.7 and deleted 7.7.2 per RAI 3.1-1 response.
22.	S3.1.3.7, cross reference section	Added cross reference pointers to subsections: 3.9, 4.3, 7.1, 7.4, 7.7, and 9.3.2 and deleted 7.3, 7.4.1, and 7.7.2 per RAI 3.1-1 response.
23.	S3.1.3.8, cross reference section	Added cross reference pointers to subsections: 3.9, 6.3, 7.1, and 7.7 and deleted 7.4.1 per RAI 3.1-1 response.
24.	S3.1.3.9, cross reference section	Added cross reference pointers to subsections: 7.1 and 7.7 and deleted 7.7.2 per RAI 3.1-1 response.
25.	S3.1.3.10, cross reference section	Added cross reference pointers to subsections: 3.9, 7.1, 7.4, 7.5, 7.7, and 7.8 per RAI 3.1-1 response.
26.	S3.1.4.1, cross reference section	Added cross reference pointers to subsections: 3.10, 5.2, 5.4.12, 7.1, and 7.3 and deleted 5.2.2 and 7.7.1 per RAI 3.1-1 response.
27.	S3.1.4.2, cross reference section	Added cross reference pointers to subsections: 5.3, 5.4.8, and 6.1 per RAI 3.1-1 response.
28.	S3.1.4.3, cross reference section	Added cross reference pointer to subsection: 5.3 per RAI 3.1-1 response.
29.	S3.1.4.4, Evaluation Against Criterion 33	Substantial rewording of these 2 paragraphs to make clear the role of the various core coolant makeup systems. This was submitted as part of RAI 3.1-1 response but resulted from other clarifications made in response to RAI 5.4-62.
30.	S3.1.4.4, cross reference section	Added cross reference pointers to subsections: 7.1, 7.3, and 7.4 per RAI 3.1-1 response.
31.	S3.1.4.5, cross reference section	Added cross reference pointers to subsections: 5.4.7, 7.1, 7.3, 7.4, and 7.5 and deleted 7.4.4 per RAI 3.1-1 response.
32.	S3.1.4.6, cross reference section	Added cross reference pointers to subsections: 6.1, 7.1, 7.4, and 7.5 per RAI 3.1-1 response.
33.	S3.1.4.7, cross reference section	Added cross reference pointers to subsections: 5.4.6, 6.6, and 9.3.5 per RAI 3.1-1 response.

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34.	S3.1.4.8, cross reference section	Added cross reference pointers to subsections: 3.9, 5.4.6, 6.6, 7.1, 7.3, 7.4, and 9.3.5 and deleted 7.3.1.1 and 7.3.1.2 per RAI 3.1-1 response.
35.	S3.1.4.9, cross reference section	Added cross reference pointers to subsections: 7.1, 7.4, and 7.5 per RAI 3.1-1 response.
36.	S3.1.4.10, cross reference section	Added cross reference pointer to subsection: 6.6 per RAI 3.1-1 response.
37.	S3.1.4.11, cross reference section	Added cross reference pointers to subsections: 3.9 and 6.6 per RAI 3.1-1 response.
38.	S3.1.4.12, cross reference section	Added cross reference pointers to subsections: 6.1, 6.5.4, 7.1, 7.3, 7.7 and 9.3.2 and deleted 7 and 7.7.7 per RAI 3.1-1 response.
39.	S3.1.4.13, cross reference section	Added cross reference pointers to subsections: 6.5.4, 7.1, and 7.7 and deleted 7 per RAI 3.1-1 response.
40.	S3.1.4.14, cross reference section	Added cross reference pointers to subsections: 3.9, 6.2.3, 6.5.4, 6.6, 7.1, 7.3, 7.5, and 7.7 and deleted 7 per RAI 3.1-1 response.
41.	S3.1.4.15, Evaluation Against Criterion 44	Deleted “the additional water volume that is tied in automatically from” per RAI 7.1-140.
42.	S3.1.4.15, cross reference section	Added cross reference pointers to subsections: 7.1, 7.4, and 9 per RAI 3.1-1 response.
43.	S3.1.4.16, cross reference section	Added cross reference pointers to subsections: 6.6 and 9 per RAI 3.1-1 response.
44.	S3.1.4.17, Evaluation Against Criterion 46	Changed “passively” to “automatically” to reflect design change on the operation of the equipment pool cross connect valves.
45.	S3.1.4.17, cross reference section	Added cross reference pointers to subsections: 3.9, 6.6, and 9 per RAI 3.1-1 response.
46.	S3.1.5.1, cross reference section	Added cross reference pointers to subsections: 5.4.8, 8.1.5.2 and 8.3 per RAI 3.1-1 response.
47.	S3.1.5.3, cross reference section	Added cross reference pointer to subsection: 6.2.2 per RAI 3.1-1 response.
48.	S3.1.5.4, Evaluation Against Criterion 53	Changed “protection” to “periodic” to match the wording of the criteria.
49.	S3.1.5.4, cross reference section	Added cross reference pointers to subsections: 6.2.1 and 6.2.2 per RAI 3.1-1 response.
50.	S3.1.5.5, cross reference section	Added cross reference pointers to subsections: 3.9, 5.4.6, 6.2.6, and 6.5.2 per RAI 3.1-1 response.
51.	S3.1.6.1, cross reference section	Added cross reference pointers to subsections: 5.4.8, 9, and 11 and deleted 11.2, 11.3, 11.4, and 11.5 per RAI 3.1-1 response.
52.	S3.1.6.2, Evaluation Against Criterion 61, first paragraph	Changed “intermediate pools” to “buffer pool” and “RB” to “RB/FB” for consistency.

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53.	S3.1.6.2, Evaluation Against Criterion 61, second paragraph	Changed “new fuel storage” to “buffer” for consistency.
54.	S3.1.6.2, cross reference section	Added cross reference pointers to subsections: 5.4.8, 9.1.1, 9.1.2, and 9.1.5 per RAI 3.1-1 response.
55.	S3.1.6.3, Evaluation Against Criterion 62, first paragraph	Changed “in the new fuel storage” to “of new fuel stored in the buffer” for consistency.
56.	S3.1.6.4, Evaluation Against Criterion 63, first paragraph	Changed “floor” to “floors” for clarification.
57.	S3.1.6.5, cross reference section	Added cross reference pointers to subsections: 7.1, 7.3, 9.3.2, 11.3, and 11.4 per RAI 3.1-1 response.
58.	S3.1.6.4, cross reference section	Added cross reference pointers to subsections: 7.1, 7.3, 7.5, 9.1.2, and 9.3.2 per RAI 3.1-1 response.
59.	S3.2, first paragraph, third bullet	Changed "guideline exposures" to "exposure limits" and changed "50.34(a)(1)" to "52.47(a)(2)(iv)" consistent with the response to RAI 7.5-8.
60.	S3.2.1, 3 <sup>rd</sup> para., new final sentence	Added following new sentence to end of paragraph in response to RAI 3.2-68: "Seismic Category II SSCs that are also classified as RTNSS Criterion B in Tables 19A-2 and 19A-3 are required to remain functional following a seismic event."
61.	S3.2.1, 5 <sup>th</sup> para., 3 <sup>rd</sup> to 4 <sup>th</sup> sentences	Split third sentence into two separate sentences as follows in response to RAI 3.2-68: "Either of the methods permitted by the IBC, simplified analysis or dynamic analysis, is acceptable for determination of seismic loads on Seismic Category NS structures and equipment. Refer to Subsection 19A.8.3 for seismic design requirements applicable to Seismic Category NS SSCs designated as RTNSS, and to Table 19A-2 for a list of RTNSS SSCs."
62.	S3.2.2.2, 1 <sup>st</sup> para., 2 <sup>nd</sup> bullet	Changed "guidelines" to "limits" and changed "10 CFR 50.34(a)(1)" to "10 CFR 52.47(a)(2)(iv)" consistent with the response to RAI 7.5-8.
63.	S3.2.2.3, item d	Replaced "(using methodology as recommended by RG 1.3 (Reference 3.2-7)) that exceed 0.5 rem to the whole body or its equivalent to any part of the body" with "that exceed 5 mSv (0.5 rem) total effective dose equivalent (TEDE) as defined in 10 CFR 50.2" for consistency with the dose requirements basis for new plants under 10 CFR 52.

64.	S3.2.5	<p>Changed Reference 3.2-7 to "(Deleted)" due to above change to Section 3.2.2.3, item d.</p> <p>Added new reference as follows:</p> <p>3.2-9 Global Nuclear Fuel, "GESTAR II General Electric Standard Application for Reactor Fuel," NEDE-24011-P-A-16, Class III (GE Proprietary), and NEDO-24011-A-16, Class I (Non-proprietary), Revision 16, October 2007.</p>
65.	T3.2-1 – All rows	<p>General update to replace "QA Req" column with a "Quality Class" column in response to RAI 3.2-6 S02.</p> <p>Items with special QA requirements also include references to specific portions of Note (5) that apply to them. Many of the comments in Table 3.2-1 were deleted and moved to become part of Note (5) as part of this change.</p>
66.	T3.2-1, System B21, Item 18	<p>Changed Seismic Category from II to NS and added "Analyzed to demonstrate structural integrity under SSE conditions" to note per response to RAI 3.2-19 S02 Revision 1.</p>
67.	T3.2-1, System B21, Item 19	<p>New item to specifically call out requirements that apply to diverse protection equipment. (Supports responses to RAIs 3.2-6 S02, 7.8-8 and 7.7-11)</p>
68.	T3.2-1, System B32, Item 6	<p>New item to specifically call out requirements that apply to diverse protection equipment. (Supports responses to RAIs 3.2-6 S02, 7.8-8 and 7.7-11)</p>
69.	T3.2-1, System C12, Item 5	<p>Revised description to read: "High pressure makeup piping including supports, from and including the check valve and test valve in the common line, isolation valves and isolation bypass valves up to the connection to RWCU/SDC" per response to RAI 21.6-103.</p>
70.	T3.2-1, System C12, Item 9	<p>Replaced "Electrical modules and..." with "Electrical modules, solenoids, and..." per response to RAI 16.2-135 S01.</p>
71.	T3.2-1, System C12, Item 10	<p>Revised item description to specifically call out requirements that apply to diverse protection equipment. (Supports responses to RAIs 3.2-6 S02, 7.8-8 and 7.7-11)</p>

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72.	T3.2-1, System C31	Split system listing into two separate line items to specifically call out requirements that apply to diverse protection equipment in C31. (Supports responses to RAIs 3.2-6 S02, 7.8-8 and 7.7-11)
73.	T3.2-1, System C41	Renumbered items 7 through 9 as items 8 through 10. Added new item 7 to specifically call out requirements that apply to diverse protection equipment. (Supports responses to RAIs 3.2-6 S02, 7.8-8 and 7.7-11)
74.	T3.2-1, System C51, Item 4	New item to specifically call out requirements that apply to diverse protection equipment. (Supports responses to RAIs 3.2-6 S02, 7.8-8 and 7.7-11)
75.	T3.2-1, System F16	Changed system name to "Fuel Storage Racks" to match master parts list per RAI 3.2-6 S02.
76.	T3.2-1, System F21	Changed location of CRD Maintenance Facility from RB to FB for consistency with DCD Section 1.2 general arrangement drawings per RAI 3.2-6 S02.
77.	T3.2-1, System F41	Added "RB, CB, TB, FB" to list of applicable locations per RAI 3.2-6 S02.
78.	T3.2-1, System G21, Item 11	Added "– Buffer pool level" to description and "FB" to location list per response to RAI 9.1-18 S03.
79.	T3.2-1, System G31, Items 10 and 11	Revised item descriptions to specifically call out instrumentation per RAI 3.2-6 S02.
80.	T3.2-1, System J11	Revised "Reference 15.0-2" to "Reference 3.2-9" for consistency with current DCD contents.
81.	T3.2-1, System N21, Item 2	New item to specifically call out requirements that apply to diverse protection equipment. (Supports responses to RAIs 3.2-6 S02, 7.8-8 and 7.7-11)
82.	T3.2-1, System N32	Split system listing into two separate line items to specifically call out requirements that apply to diverse protection equipment in N32. (Supports responses to RAIs 3.2-6 S02, 7.8-8 and 7.7-11)
83.	T3.2-1, System N37	Changed Seismic Category from II to NS and added "Analyzed to demonstrate structural integrity under SSE conditions" to note per response to RAI 3.2-40 Revision 1.

84.	T3.2-1, System R11	Deleted line item 1 for consistency with DCD Section 7.3.3.3. This protective action was changed to a safety-related trip of control power to the feedwater pump adjustable speed drives as part of a DCD Rev 5 design change. Deleted "Other" from item 2 description. Changes per RAI 3.2-6 S02.
85.	T3.2-1, System R12, Item 1	Added "for RTNSS Criterion B SSCs" to item description. Changed location from "OO, RB, EB" to "ADB, RB, FWSC, CB, SB" for consistency with locations receiving power from Ancillary Diesels per Table 8.3-3. Added "(5) h" to notes column.
86.	T3.2-1, System R12, Items 2 and 3	Renumbered Item 2 as Item 3. Introduced new Item 2 as follows: "Components supporting distribution of power from Ancillary Diesel Generators to RTNSS non-Criterion B SSCs.", Safety Class "N", Location "ADB, CB, SB, EB", Quality Group "—", Quality Class "S", Seismic Category "NS", Notes "(5) i" for consistency with locations receiving power from Ancillary Diesels per Table 8.3-3.
87.	T3.2-1, System R15	Added following note to line item 1: "Components of the lighting systems associated with safety-related systems are supported to Seismic Category I requirements." Added following note to line item 2: "The seismic classification applies to the supports for the lighting fixtures, not to the bulbs and fixtures." Changes per RAI 3.2-6 S02 are for consistency with DCD Section 9.5.3.
88.	T3.2-1, System R41	Revised Safety Class from "3" to "N", and Seismic Category from "I" to "NS" per RAI 3.2-6 S02. This change to nonsafety-related is consistent with ABWR classification and ESBWR DCD Chapter 8.
89.	T3.2-1, System T31, Item 4	Relocated System U40, Item 3 to this location for consistency with actual system boundary definition per RAI 3.2-6 S02.
90.	T3.2-1, System T62	Renumbered item 3 as item 4. Added new item 3 to specifically call out requirements that apply to diverse protection equipment. (Supports responses to RAIs 3.2-6 S02, 7.8-8 and 7.7-11)

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91.	T3.2-1, System U31, Item 5	Added EB to list of locations containing an elevator for consistency with Electrical Building general arrangement drawings in DCD Section 1.2 per RAI 3.2-6 S02.
92.	T3.2-1, System U40, Item 3	Replaced item with "(Deleted)" after relocating it to System T31, Item 4, per RAI 3.2-6 S02.
93.	T3.2-1, System U43, Item 6	Replaced item with "(Deleted)". It is now part of the new System U63 described below.
94.	T3.2-1, System U43, Items 2 and 3	Revised location from "OO" to "FWSC, OL" due to new location code that was defined for the Firewater Service Complex.
95.	T3.2-1, System U43, Items 4, 7, 8 and 9 (now item 10)	Revised location from "OO" to "FWSC" due to new location code that was defined for the Firewater Service Complex.
96.	T3.2-1, System U43, Items 8 through 15	Renumbered items 9 through 15 as 10 through 16. For item 8, deleted "and other primary pumps" from the description and added ", (5) h" to the Notes column. Inserted new item 9 as follows: "Other primary pumps", Safety Class "N", Location "FWSC", Quality Group "D", Quality Class "S", Seismic Category "II", Notes "(5) c, (5) e".
97.	T3.2-1, System U43, Item 16 (formerly item 15)	Revised location from "EB, TB, OO" to "EB, TB, ADB, OO" due to new location code that was defined for the Ancillary Diesel Building.
98.	T3.2-1, System U51	Added new system "U51 Oily Waste Drain System", Safety Class "N", Location "TB", Quality Group "—", Quality Class "N", Seismic Category "NS".
99.	T3.2-1, System U61	Added new system "U61 Auxiliary Boiler Building Structure", Safety Class "N", Location "OO", Quality Group "—", Quality Class "N", Seismic Category "NS".
100.	T3.2-1, System U62	Added new system "U62 Auxiliary Boiler Building HVAC System", Safety Class "N", Location "OL", Quality Group "—", Quality Class "N", Seismic Category "NS".
101.	T3.2-1, System U63	Added new system "U63 Firewater Service Complex Structure", Safety Class "N", Location "FWSC", Quality Group "—", Quality Class "S", Seismic Category "I", Notes "(5) c, (5) e, (5) h".



102.	T3.2-1, System U64	Added new system "U64 Firewater Service Complex HVAC System", Safety Class "N", Location "FWSC", Quality Group "—", Quality Class "S", Seismic Category "II", Notes "(5) c, (5) e".
103.	T3.2-1, System U65, Item 1	Replaced item with "(Deleted)". It is now the new System U68 described below.
104.	T3.2-1, System U68	Added new system "U68 Ancillary Diesel Building Structure", Safety Class "N", Location "ADB", Quality Group "—", Quality Class "S", Seismic Category "II", Notes "(5) c, (5) h".
105.	T3.2-1, System U69	Added new system "U69 Ancillary Diesel Building HVAC System", Safety Class "N", Location "ADB", Quality Group "—", Quality Class "S", Seismic Category "II", Notes "(5) c, (5) h".
106.	T3.2-1, System U71	Added new line item 3 as follows: "Equipment, reactor and buffer pool liners", Safety Class "3", Location "RB", Quality Group "—", Quality Class "Q", Seismic Category "I" per response to RAI 9.1-119.
107.	T3.2-1, System U72	Revised the Seismic Category from "NS" to "II" and deleted note about special seismic design requirements per response to RAI 3.2-66 S01.
108.	T3.2-1, System U97	Added new line item 3 as follows: "Spent fuel pool liner", Safety Class "3", Location "FB", Quality Group "—", Quality Class "Q", Seismic Category "I" per response to RAI 9.1-119.
109.	T3.2-1, System Y52	Location changed from OO to ADB consistent with new location code added to Note (3).
110.	T3.2-1, System Y71	Revised note and split system into two line items per response to RAI 3.7-52 S03 Revision 1.
111.	T3.2-1, System Y72	Revised note and split system into three line items per response to RAI 3.7-52 S03 Revision 1.
112.	T3.2-1, Note (3)	Added following new location codes: ADB      Ancillary Diesel Building FWSC      Firewater Service Complex
113.	T3.2-1, Note (5)	Note was completely rewritten for consistency with generic table change from QA Req column to Quality Class column per RAI 3.2-6 S02.

114.	T3.2-1, Note (5), item d	Added "Exceptions to RG 1.143 requirements for the design of the Radwaste Building are defined in Chapter 2 Table 2.0-1." to the end of the note item that was inserted in response to RAI 3.2-6 S02.
115.	F3.2-1 and F3.2-2	Revised figures in response to RAI 3.2-66 S01 to show Turbine Building as Seismic Category II.
116.	F3.2-1 and F3.2-2	Revised figures in response to RAI 3.2-66 S01 to show Turbine Building as Seismic Category II.
117.	S3.3.1.1, new 2 <sup>nd</sup> para.	Paragraph added in response to RAI 22.5-5 S02.
118.	S3.3.2.3, 1 <sup>st</sup> para., 4 <sup>th</sup> sentence	Sentence revised in response to RAIs 3.8-79 S03 and 3.8-80 S03.
119.	S3.3.2.3, 1 <sup>st</sup> para., new 5 <sup>th</sup> sentence	Sentences added in response to RAIs 3.8-79 S03 and 3.8-80 S03.
120.	S3.3.2.3, 1 <sup>st</sup> para., former 5 <sup>th</sup> sentence	Last sentence deleted in response to RAI 3.2-66 S01.
121.	S3.5.1, 4 <sup>th</sup> para., last sentence	Sentence revised in response to RAI 7.5-8.
122.	S3.5.1, 8 <sup>th</sup> para., 3 <sup>rd</sup> bullet	Sentence revised in response to RAI 7.5-8.
123.	S3.5.1.6	Sentence revised in response to RAI 7.5-8.
124.	S3.6.1.1, Objectives, 1 <sup>st</sup> para., 3 <sup>rd</sup> bullet	Bullet revised to update 10 CFR reference in response to RAI 7.5-8.
125.	S3.6.1.3, Protection Methods by Separation, 2 <sup>nd</sup> bullet, new 2 <sup>nd</sup> para.	New paragraph added in response to RAI 3.6-12 S01.
126.	S3.6.1.3, Protection Methods by Separation, 3 <sup>rd</sup> bullet, new 2 <sup>nd</sup> para.	New paragraph added in response to RAI 3.6-12 S01.
127.	S3.6.1.3, Protection Methods by Separation, 3 <sup>rd</sup> bullet, new 2 <sup>nd</sup> para.	Bullet revised in response to RAI 3.6-12 S01.
128.	S3.6.2.1.1	Entire Subsection except for 14 <sup>th</sup> and last paragraph designated as Tier 2* information in response to RAI 3.6-23.
129.	S3.6.2.1.1, ASME Code Section III Class 1 Piping in Areas Other than Containment Penetration, 1 <sup>st</sup> bullet	Bullet revised in response to RAI 3.6-6 S03.

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130.	S3.6.2.1.1, ASME Code Section III Class 2 & 3 Piping in Areas Other than Containment Penetration, New 2 <sup>nd</sup> para.	Paragraph added in response to RAI 3.6-6 S03.
131.	S3.6.2.1.1, ASME Code Section III Class 2 & 3 Piping in Areas Other than Containment Penetration, New last para.	Paragraph added in response to RAI 3.6-6 S03
132.	S3.6.2.1.1, New last para.	Definition added as a result of Tier 2* designation in response to RAI 3.6-23.
133.	S3.6.2.1.2	Subsection designated as Tier 2* information in response to RAI 3.6-23.
134.	S3.6.2.1.2, new last para.	Definition added as a result of Tier 2* designation in response to RAI 3.6-23.
135.	S3.6.2.3.1, former 1 <sup>st</sup> para.	Paragraph deleted in response to RAI 3.6-16 S01.
136.	S3.6.2.3.1, new 1 <sup>st</sup> para., 4 <sup>th</sup> bullet	Bullet revised to update 10 CFR reference in response to RAI 7.5-8.
137.	S3.6.2.3.1, new 2 <sup>nd</sup> para., 4 <sup>th</sup> bullet	Bullet revised in response to RAI 3.6-16 S01.
138.	S3.6.2.3.1, new 2 <sup>nd</sup> para., new 5 <sup>th</sup> bullet	Bullet added in response to RAI 3.6-16 S01.
139.	S3.6.2.3.1, new 2 <sup>nd</sup> para., new 5 <sup>th</sup> bullet, last sent.	Sentence revised in response to RAI 3.6-6 S03.
140.	S3.6.2.3.1, new 4 <sup>th</sup> para., new 4 <sup>th</sup> bullet and Steps 1 thru 3	Bullet and Steps 1 through 3 added in response to RAI 3.6-17 S01.
141.	S3.6.2.5	Subsection designated as Tier 2* information in response to RAI 3.6-23.
142. S	S3.6.2.5, new last para.	Definition added as a result of Tier 2* designation in response to RAI 3.6-23.
143.	New S3.6.2.6	Subsection added in response to RAI 3.6-11 S01.
144.	S3.6.6, Reference 3.6-9	Reference deleted as it is not referred to in Section 3.6.
145.	New T3.6-5	Table added in response to RAI 3.6-6.
146.	New T3.6-6	Table added in response to RAI 3.6-6.
147.	New T3.6-7	Table added in response to RAI 3.6-13 S02

148.	New F3.6-3	Figure added in response to RAI 3.6-13 S02.
149.	S3.7, 1 <sup>st</sup> para., 1 <sup>st</sup> sentence	Sentence revised in response to RAI 3.2-68.
150.	S3.7, 2 <sup>nd</sup> para., 3 <sup>rd</sup> bullet	Sentence revised in response to RAI 7.5-8.
151.	S3.7, 4 <sup>th</sup> para., new 3 <sup>rd</sup> sentence	Sentence added in response to RAI 3.2-68.
152.	S3.7.1.1, 6 <sup>th</sup> , 7 <sup>th</sup> and 11 <sup>th</sup> sentence	Revised sentences in response to RAI 3.7-63 S01.
153.	S3.7.1.1.3, 4 <sup>th</sup> para.	Paragraph revised in response to RAI 3.8-94 S03.
154.	S3.7.1.2, 1 <sup>st</sup> para., 2 <sup>nd</sup> sentence	Sentence revised in response to RAI 3.7-66.
155.	S3.7.1.2, 2 <sup>nd</sup> para.	Deleted paragraph in response to RAI 3.7-66.
156.	S3.7.2.8, 1 <sup>st</sup> para., Item (3), last sentence	Revised last sentence in response to RAI 3.2-66 S01.
157.	S3.7.2.8, new 2 <sup>nd</sup> para.	Paragraph added in response to RAIs 3.8-79 S03 and 3.8-80 S03.
158.	S3.7.2.8, former 2 <sup>nd</sup> para.	Second paragraph deleted in response to RAI 3.2-66 S01.
159.	S3.7.2.8.1, new subsection	Subsection added in response to RAIs 3.8-79 S03 and 3.8-80 S03. Subsection further revised in response to RAIs 3.8-79 S04 and 3.8-80 S04.
160.	S3.7.2.8.2, new subsection	Subsection added in response to RAIs 3.8-79 S03 and 3.8-80 S03. Subsection further revised in response to RAIs 3.8-79 S04 and 3.8-80 S04.
161.	S3.7.2.8.3, new subsection	Subsection added in response to RAIs 3.8-79 S03 and 3.8-80 S03. Subsection further revised in response to RAIs 3.8-79 S04 and 3.8-80 S04.
162.	S3.7.2.8.4, new subsection	Subsection added in response to RAIs 3.8-79 S03 and 3.8-80 S03. Subsection further revised in response to RAIs 3.8-79 S04 and 3.8-80 S04.
163.	S3.7.3.3.1, 3 <sup>rd</sup> para., 3 <sup>rd</sup> 4 <sup>th</sup> 5 <sup>th</sup> & 6 <sup>th</sup> sentence	Sentences revised in response to RAI 3.7-74.
164.	S3.7.3.3.1, new last para.	Paragraph added in response to RAI 3.7-74.
165.	S3.7.3.5, 1 <sup>st</sup> par.a, 1 <sup>st</sup> sentence	Sentence revised in response to RAI 3.7-74.
166.	S3.7.3.5, new 2 <sup>nd</sup> para.	Paragraph added in response to RAI 3.7-74.
167.	S3.7.3.9, 3 <sup>rd</sup> para.	Paragraph note revised in response to RAI 3.7-74.
168.	S3.7.3.9, new 6 <sup>th</sup> para.	Paragraph added in response to RAI 3.7-74.

169.	S3.7.3.12, 3 <sup>rd</sup> para.	Added “both piping and” to sentence in response to RAI 3.12-27 S01 R3.
170.	S3.7.3.12, 3 <sup>rd</sup> & 4 <sup>th</sup> para.	Revised paragraphs in response to RAI 3.7-74.
171.	S3.7.3.12, new 5 <sup>th</sup> para.	Paragraph added in response to RAI 3.7-74.
172.	S3.7.3.13, 1 <sup>st</sup> para.	Paragraph revised in response to RAI 3.7-52 S03.
173.	S3.7.3.13, 2 <sup>nd</sup> para.	Paragraph revised in response to RAI 3.7-52 S03
174.	S3.7.3.13, 3 <sup>rd</sup> para., 2 <sup>nd</sup> sentence	Sentence revised in response to RAI 3.7-52 S03.
175.	S3.7.3.13, 4 <sup>th</sup> para., 1 <sup>st</sup> and 2 <sup>nd</sup> sentence	Deleted first sentence and added “SB” to second sentence in response to RAI 3.7-52 S03.
176.	S3.7.3.13, 6 <sup>th</sup> para.	Paragraph revised in response to RAI 3.7-52 S03.
177.	S3.7.3.13, 6 <sup>th</sup> para., 5th bullet	Sentence added in response to RAI 3.7-52 S03.
178.	S3.7.3.13, 6 <sup>th</sup> para., new 6 <sup>th</sup> bullet	Bullet added in response to RAI 3.7-52 S03.
179.	S3.7.3.13, new 7 <sup>th</sup> para.	Paragraph added for clarification in response to RAI 3.7-52 S03.
180.	S3.7.3.16, (1), 2 <sup>nd</sup> sentence	Sentence revised in response to RAI 3.7-74.
181.	S3.7.3.16, new last para.	Paragraph added in response to RAI 3.7-74.
182.	S3.7.5, (2)	Revised (2) for clarification in response to RAI 2.5-10.
183.	S3.7.6	Deleted Reference 3.7-5 in response to RAI 3.7-66.
184.	T3.7-1	Revised the Cable Tray Systems and Conduit Systems values in response to RAI 3.7-66.
185.	T3.7-3	For the “Site Condition” column, revised the 2 <sup>nd</sup> , 4 <sup>th</sup> , 6 <sup>th</sup> and 8 <sup>th</sup> rows to read “Uniformed and Layered Sites” in response to RAI 3.8-94 S03.
186.	T3.7-3	For the “Use of Analysis Output” column; revised the 1 <sup>st</sup> , 3 <sup>rd</sup> , 5 <sup>th</sup> , and 7 <sup>th</sup> rows to add “Interface loads with foundation medium not used”; and the 2 <sup>nd</sup> , 4 <sup>th</sup> , 6 <sup>th</sup> and 8 <sup>th</sup> rows to add “interface loads with foundation medium” in response to RAI 3.8-94 S03.
187.	S3.8.1.6.1, Item 4	Deleted “f’c = 34.5 MPa (5000 psi), maximum” to be consistent with the concrete strength discussed in the Section.

188.	S3.8.4, 1 <sup>st</sup> para., new 4th sentence	Sentence added in response to RAI 3.8-79 S04 and 3.8-80 S04.
189.	S3.8.4, 1 <sup>st</sup> para., new 7th sentence	Sentence added in response to RAI 3.8-79 S04 and 3.8-80 S04.
190.	S3.8.4, 1 <sup>st</sup> para., last sentence	Sentence revised in response to RAI 3.8-79 S04 and 3.8-80 S04.
191.	S3.8.4, 2 <sup>nd</sup> para., 4 <sup>th</sup> sentence	Replaced “EMEB-1” with “BTP 3-4” for consistency with Section 3.6
192.	S3.8.4.1.1, 5 <sup>th</sup> para., 2 <sup>nd</sup> sentence	Deleted sentence in response to RAI 3.8-121 S02.
193.	S3.8.4.1.5, 4 <sup>th</sup> para., new 3 <sup>rd</sup> to 5 <sup>th</sup> sentences	Sentences added in response to RAIs 3.8-79 S03 and 3.8-80 S03.
194.	S3.8.4.3.3, 1st para., 2 <sup>nd</sup> sentence	Sentence revised for clarification in response to RAI 3.8-113
195.	S3.8.4.3.3, new last para.	Paragraph added in response to RAI 3.8-125.
196.	S3.8.4.3.4	Sentence revised in response to RAI 3.8-79 S04 and 3.8-80 S04.
197.	S3.8.4.6.5	Paragraph revised in response to RAI 3.8-121 S02.
198.	S3.8.6.5	Subsection added to address foundation mud mat requirements in response to RAI 3.8-96 S03.
199.	T3.8-5	Note 6 added to clarify PT inspections only apply to austenitic welds in response to RAI 3.8-124.
200.	T3.8-6, Item 24	Deleted ASME N509 2002 to be consistent with Table 1.9-22. This reference was replaced by ASME AG-1 2003.
201.	T3.8-6, Item 26	Added the specification number “CF02-1” to be consistent with Table 1.9-22. Added “AISI 2001 Edition and 2004 Supplement.”
202.	T3.8-9, Item 26	Updated RG 1.61 to Rev. 1 for consistency with to RAI 3.7-66.
203.	T3.8-9, Item 29	Deleted “and draft 2” in the Title to be consistent with Table 1.9-21.
204.	T3.8-9, Item 32	Note (2) added to title in response to RAIs 3.8-79 S03 and 3.8-80 S03.
205.	T3.8-9, Item 35	Deleted ASME N509 2002 to be consistent with Table 1.9-22. This reference was replaced by ASME AG-1 2003.

206.	T3.8-9, Item 37	Added the specification number “CF02-1” to be consistent with Table 1.9-22. Added “AISI 2001 Edition and 2004 Supplement.”
207.	T3.8-9, Note (2)	Note (2) added in response to RAIs 3.8-79 S03 and 3.8-80 S03.
208.	T3.8-15, Note 6	Note 6 added in response to RAI 2.3-4 S05.
209.	T3.8-16, Note 7	Note 7 added in response to RAI 2.3-4 S05.
210.	F3.8-12	Figure deleted in response to RAI 3.8-121 S02.