

ESBWR DCD Tier 2 Chapter 14
26A6642BN 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, add dual dimensioning, and update references as needed and where required.
2.	Entire Chapter	When used to describe the physical structure, the qualifier “primary” was removed when used with “containment.” The ESBWR does not have a “secondary” containment, so the use of “primary” to indentify the containment was unnecessary.
3.	Entire Chapter	Corrected “and/or” to either “and” or “or” depending on the context.
4.	Entire Chapter	Updated chapter internal references and references to other locations within the DCD as required.
5.	S14.2, Entire Section	Remove reference to 14.3.3.2 which was deleted in response to RAI 14.3-402 S01.
6.	S14.2.1.1	Delete sentence “Abstracts of these tests are not provided as part of this chapter.” Statement did not support chapter content.
7.	S14.2.2.1, 2nd para.	COL Holder item 14.2-2-H was rewritten as COL Applicant item 14.2-2-A based on NRC request. The change was reviewed and accepted by both NRC and DCWG.
8.	S14.2.2.1, 6 th bullet	Delete the word “initial” and added the word “testing” to improve the description of conditions.
9.	S14.2.2.2, 2nd para.	COL Holder item 14.2-3-H was rewritten as COL Applicant item 14.2-3-A based on NRC request. The change was reviewed and accepted by both NRC and DCWG.
10.	S14.2.7, 2 nd para.	Paragraph was re-worded for clarity.
11.	S14.2.7, 7th para.	COL Holder item 14.2-4-H was rewritten as COL Applicant item 14.2-4-A based on NRC request. The change was reviewed and accepted by both NRC and DCWG.

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12.	S14.2.8.1, 3 rd para.	Paragraph was re-worded for clarity and alignment with referenced subsection.
13.	S14.2.8.1.1, 5 th bullet	Inserted the word "appropriate" to cover cases where the design does not specify accumulators.
14.	S14.2.8.1.2	Purpose statement revised to refer to specifications instead of design requirements. Performing to specifications is a more appropriate description of the test purpose.
15.	S14.2.8.1.2, 5 th bullet	Added Select Rod Insertion to test demonstration criteria. A loss of feedwater heating initiates both SCRRI and SRI.
16.	S14.2.8.1.4	Purpose statement revised to refer to specifications instead of design requirements. Performing to specifications is a more appropriate description of the test purpose.
17.	S14.2.8.1.4, 4th para., new 6th bullet	Bullet added in response to RAI 21.6-103.
18.	S14.2.8.1.5	Purpose statement revised to refer to specifications instead of design requirements. Performing to specifications is a more appropriate description of the test purpose.
19.	S14.2.8.1.6, Purpose, Prerequisites and General Test Methods & Acceptance Criteria	Purpose, Prerequisites and General Test Methods & Acceptance Criteria revised in response to RAI 14.2-70-S01.
20.	S14.2.8.1.7, 1st para.	Paragraph revised in response to RAI 14.2-99.
21.	S14.2.8.1.7, 2nd para.	Paragraph added in response to RAI 14.2-99.
22.	S14.2.8.1.7, 3rd para.	First sentence revised and third and fourth sentences deleted in response to RAI 14.2-99.
23.	S14.2.8.1.7, 4th para., bullets	Bullets revised in response to RAI 14.2-99.
24.	S14.2.8.1.8, 1st para.	Paragraph revised in response to RAI 14.2-73 S01.
25.	S14.2.8.1.8, new 2nd para.	Paragraph added in response to RAI 14.2-73 S01.
26.	S14.2.8.1.8, 3rd para., 1st sentence	Sentence revised in response to RAI 14.2-73 S01.

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27.	S14.2.8.1.15, 3 rd para., 4 th bullet	Added specific items for what is intended by “personnel protective devices.”
28.	S14.2.8.1.19, 4 th para., 5 th bullet	Added “moisture content” to test demonstration criteria.
29.	S14.2.8.1.20, 3 rd para., 4 th bullet	Added “moisture content” to test demonstration criteria.
30.	S14.2.8.1.28, 2 nd para.	Paragraph was revised to clearly address the use of permanent or temporary systems as a pressurized gas source and to remove repeated information regarding test equipment.
31.	S14.2.8.1.29, 2 nd para.	Paragraph was revised to clearly address the use of permanent or temporary systems as a pressurized gas source and to remove repeated information regarding test equipment.
32.	S14.2.8.1.32, 2 nd para., new 2 nd sentence	Sentence added in response to RAI 14.3-438.
33.	S14.2.8.1.36, 3 rd para., former 7 th bullet	Bullet deleted because there are no emergency and vital loads fed from the AC distribution system and no sequencing of emergency and vital loads. The nonsafety-loads are sequenced in Preoperational Test for the Standby Diesels (Subsection 14.2.8.1.37).
34.	S14.2.8.1.36, 3 rd para., 8 th to 9 th bullets	Bullets revised in response to RAI 14.2-98.
35.	S14.2.8.1.42, 1 st para.	Removed text that suggested testing was limited to safety-related plant systems and equipment.
36.	S14.2.8.1.42, 4 th para.	Replaced text reference with specific citation.
37.	S14.2.8.1.42, 4 th para.	Added spring hanger to the scope description for expansion testing.
38.	S14.2.8.1.42, 5 th para.	Replaced text reference with specific citation.
39.	S14.2.8.1.51, 3 rd para., 3 rd bullet	Bullet revised in response to RAI 9.2-24.
40.	S14.2.8.1.64, last bullet	Deleted reference to Tier 1 and added text that requires specified flow requirements to be met. This change makes the test demonstration criteria consistent with others in the chapter.

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41.	S14.2.8.1.67, 3rd para., 11th bullet	Bullet revised in response to RAI 8.2-14 S01.
42.	S14.2.8.2.4, 4 th para.	Replaced "critical" with "Estimated Critical Position" to improve clarity.
43.	S14.2.8.2.5, 7 th para.	Added pressure tolerance for testing at 4.14 MPaG.
44.	S14.2.8.2.7, Description, 2nd para.	Paragraph designated as Tier 2* information in response to RAI 14.2-101.
45.	S14.2.8.2.7, new last para.	Definition added as a result of Tier 2* designation in response to RAI 14.2-101.
46.	S14.2.8.2.8	Added text to refer to the Pressure Temperature Limit Report for hydrostatic testing.
47.	S14.2.8.2.11, 1st para., new 5th sentence	Added "Subsection 3.9.2.4" to existing change made by RAI 14.2-97 in response to RAI 14.2-101.
48.	S14.2.8.2.11, 1st para., new 5th sentence	Added sentence in response to RAI 14.2-97.
49.	S14.2.8.2.19, 3rd para.	Deleted last sentence. The paragraph contains the details necessary to support the test and the sentence was not necessary.
50.	S14.2.8.2.23, 3 rd para.	Added Select Rod Insertion to the description of the plant response to loss of feedwater heating. A loss of feedwater heating initiates both SCRR and SRI. The SI value for the heating loss setpoint was also corrected.
51.	S14.2.8.2.25, 4 th para.	The value for coolant temperature reduction was updated.
52.	S14.2.8.2.27, 3rd para., 2nd sent.	Sentence revised in response to RAI 14.2-100
53.	S14.2.8.2.27, 5th para., 2 nd sent.	Added text to improve topic clarity.
54.	S14.2.8.2.27, 6th para., former 1st sent.	Sentence deleted in response to RAI 14.2-100.
55.	S14.2.8.2.35 thru S14.2.8.2.35.5	Subsections designated as Tier 2* information in response to RAI 14.2-101.
56.	14.2.8.2.35, 1st para., former 3rd sent.	Sentence deleted in response to RAI 14.2-101.

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57.	S.14.2.8.2.35.2, Criteria, new bullet	Added bullet to align with the testing performed in Subsection 14.2.8.2.34.
58.	S14.2.8.35.4, 4 th para.	Revised hold duration to align with Subsection 10.2.1.3.3.
59.	S14.2.8.2.35.5, new last para.	Definition added as a result of Tier 2* designation in response to RAI 14.2-101.
60.	S14.2.9, 3rd para.	COL Holder item 14.2-6-H was rewritten as COL Applicant item 14.2-6-A based on NRC request. The change was reviewed and accepted by both NRC and DCWG.
61.	S14.2.10, 14.2-2-H	COL Holder item 14.2-2-H was rewritten as COL Applicant item 14.2-2-A based on NRC request. The change was reviewed and accepted by both NRC and DCWG.
62.	S14.2.10, 14.2-3-H	COL Holder item 14.2-3-H was rewritten as COL Applicant item 14.2-3-A based on NRC request. The change was reviewed and accepted by both NRC and DCWG.
63.	S14.2.10, 14.2-4-H	COL Holder item 14.2-4-H was rewritten as COL Applicant item 14.2-4-A based on NRC request. The change was reviewed and accepted by both NRC and DCWG.
64.	S14.2.10, 14.2-6-H	COL Holder item 14.2-6-H was rewritten as COL Applicant item 14.2-6-A based on NRC request. The change was reviewed and accepted by both NRC and DCWG.
65.	S14.2.11	Added references that are cited in the section text.
66.	T14.2-1	Added stability solution evaluation testing to align with Subsection 14.2.8.2.35.5.
67.	S14.3	The introduction in Section 14.3 was revised to refer to NRC guidance in NUREG-0800 and RG 1.206, which now include the policy information and Commission direction in the historical SECY papers, which were previously referenced.
68.	S14.3, 5 th para., 1 st bullet	Sentence re-worded for agreement with list lead-in statement and updated with current Tier 1 preamble content.

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69.	S14.3.2.1, "Selection Methodology," 2nd para., new 4th and 5th sent.	Sentences added in response to RAI 14.3-405.
70.	S14.3.2.2, Footnote 1	Modified footnote to add the accession number of the referenced letter and to add the Federal Register reference by volume, page number and date.
71.	S14.3.2.3, New Subsection	Subsection added in response to RAI 14.3-265 S01; this change is superseded by RAI 14.3-265 S02.
72.	S14.3.2.3	New section removed from Chapter 14 in response to RAI 14.3-265 S02.
73.	S14.3.3.1, 1 st para.	Added text for ASME Code design reports and ASME Code design certifications for topic clarification.
74.	S14.3.3.2	Entire Subsection rewritten in response to RAI 14.3-402; this change superseded by RAI 14.3-402 S01.
75.	S14.3.3.2	Subsection deleted in response to RAI 14.3-402 S01.
76.	S14.3.3.3, 3 rd bullet	Bullet revised in response to RAI 14.3-453.
77.	S14.3.7.3, item 3	Item revised to improve topic clarity.
78.	S14.3.11, new References 14.3-4, 14.3-5	References added in response to RAI 14.3-402. This addition was superseded by RAI 14.3-402 S01.
79.	S14.3.11, new References 14.3-4, 14.3-5	References deleted in response to RAI 14.3-402 S01.
80.	T14.3-1, 7th row	System name updated for consistency.
81.	T14.3-1a	Table added in response to RAI 14.3-405.
82.	T14.3-1a	Table updated in response to RAI 14.3-405 S01.
83.	T14.3-1a	Table updated to reflect Tier 1 Structure/System/Equipment and ITAAC Table changes. Table entries that included Note 1 or Note 3 were updated to remove the previous ITACC Table numbers. Table notes updated where needed for consistency.
84.	T14.3-1b	Table added in response to RAI 14.3-405.

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85.	T14.3-1b	Table updated in response to RAI 14.3-405 S01.
86.	T14.3-1b, "Overpressure Protection"	Title was updated to include "depressurization" since this function is also represented by the critical parameters. The Tier 2 references were updated to sources that include both the overpressure protection and depressurization aspects. The specific pressures for the capacity entries are specified by the Tier 2 references, and were removed from the table.
87.	T14.3-1b, "Isolation Condenser"	The Tier 2 reference for initiation signals changed to a source that included all specified items. The IC Volume entry revised to align with the Tier 1 and Tier 2 nomenclature.
88.	T14.3-1b, "Anticipated Transient Without Scram"	The Tier 2 reference was updated to a reference that included specific information for the feature.
89.	T14.3-1b, "Standby Liquid Control"	Entry for "RPV injection pressure" was deleted. This item is addressed through the "Average flowrate" feature.
90.	T14.3-1b, "PCCS"	Entry for "Assumed Pool temperature" was deleted. This item is address through the "Heat Removal Capacity" feature.
91.	T14.3-1c	Table added in response to RAI 14.3-405.
92.	T14.3-1c	Table updated in response to RAI 14.3-405 S01.
93.	T14.3-1c	Tier 1 and Tier 2 references were updated or corrected. These changes include the addition of Table 2.2.12-5 to the tenth entry regarding RWCU/SDC line break. This item was added to address the signals needed for valve closure.
94.	T14.3-3, New	Table added in response to RAI 14.3-265 S01. This addition was superseded by RAI 14.3-265 S02.
95.	T14.3-3	Deleted added table in response to RAI 14.3-265 S02.
96.	T14.3-4, New	Table added in response to RAI 14.3-402. This addition was superseded by RAI 14.3-402 S01.
97.	T14.3-4	Deleted added table in response to RAI 14.3-402 S01.

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98.	T14.3-5, New	Table added in response to RAI 14.3-402. This addition was superseded by RAI 14.3-402 S01.
99.	T14.3-5	Deleted table in response to RAI 14.3-402 S01.
100.	S14.3A.2, 1st and 4th para.	Paragraph designated as Tier 2* information in response to RAI 14.3-451.
101.	S14.3A.2, new last para.	Disclaimer added as a result of Tier 2* designation in response to RAI 14.3-451.
102.	S14.3A.3, entire Subsection	Subsection designated as Tier 2* information in response to RAI 14.3-452.
103.	S14.3A.3, new last para.	Disclaimer added as a result of Tier 2* designation in response to RAI 14.3-452.
104.	S14.3A.4, entire Subsection	Subsection designated as Tier 2* information in response to RAI 14.3-452.
105.	S14.3A.4, new last para.	Disclaimer added as a result of Tier 2* designation in response to RAI 14.3-452.