

ESBWR DCD Tier 2 Chapter 12

26A6642BJ 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.	S12.1.1.3.2, 1 st para.	COL updated for consistency.
3.	S12.1.1.3.3, 1 st para.	COL updated for consistency.
4.	S12.2.3.2.1, 1 st para., 2 nd sent.	System name revised for consistency.
5.	S12.2.3.2.1, 2 nd para.	Paragraph revised for clarification.
6.	T12.2-5	Corrected terms for consistency with data in table.
7.	T12.2-16	Table revised to incorporate changes to annual release concentrations and offsite doses due to change in accident exhaust filter unit charcoal efficiency from 99% to 95%.
8.	T12.2-16, Note *	Note added in response to RAI 12.2-9 S05.
9.	T12.2-16, Note **	Note revised in response to RAI 12.2-9 S05.
10.	T12.2-17	Table revised to incorporate changes to annual release concentrations and offsite doses due to change in accident exhaust filter unit charcoal efficiency from 99% to 95%.
11.	T12.2-18b	Table revised to incorporate changes to annual release concentrations and offsite doses due to change in accident exhaust filter unit charcoal efficiency from 99% to 95%.
12.	T12.2-18b	Revised total doses for Adult, Teen and Child to use consistent methodology and added Note ** to clarify total doses in response to RAI 12.2-9 S05.
13.	T12.2-19a, Note **	Note added in response to RAI 12.2-15 S03.
14.	T12.2-20a, Note **	Note added in response to RAI 12.2-15 S03.
15.	T12.2-22	Changed component name from “Drain Sample Tank” to “Equipment Drain Sample Tank” for consistency.
16.	T12.2-22	Changed component name from “Low Activity Sludge Phase Separator” to “High/Low Activity Phase Separator Room” for consistency with the general arrangement drawings.

PRELIMINARY

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17.	S12.3.1.3, 3 rd para., last sent.	COL item revised in response to RAI 12.4-38.
18.	New S12.3.1.5 to S12.3.1.5.2	Subsections added in response to RAI 12.7-5.
19.	S12.3.2.2.3, 1 st para, 1 st new sentence	Sentence added in response to RAI 12.2-24 S02.
20.	S12.3.2.2.3, 8 th para., 4 th and 5 th sentences	Sentences revised in response to RAI 12.2-24 S02.
21.	S12.3.2.2.3, 11 th para,	Paragraph added with dose rate information for fuel handling in response to RAI 9.1-50 S02.
22.	S12.3.3.3, 3 rd para., new 2 nd sent.	Sentence added in response to RAI 12.4-23 S02.
23.	S12.3.3.3, 4 th para.	Paragraph revised in response to RAI 12.4-23 S02.
24.	S12.3.3.3, 5 th para.	Dose rate revised in response to RAI 12.4-23 S02.
25.	S12.3.5, last para	Corrected figure numbers for appropriate figures related to access and egress.
26.	S12.3.6, 1 st para., last sent.	Sentence revised in response to RAI 12.4-31 S01.
27.	S12.3.6, 2 nd para.	Clarified post accident access conditions in the referenced tables.
28.	S12.3.7, COL 12.3-3-H	COL Holder item deleted in response to RAI 12.4-38.
29.	S12.3.7, COL 12.3-4-A	COL Applicant item added in response to RAI 12.7-5 moved to this subsection for consistency.
30.	S12.3.8, References 12.3-19 and 12.3-20	References added in response to RAI 12.7-5 moved to this subsection for consistency.
31.	T12.3-2, Note 3	Note added in response to RAI 12.4-35.
32.	T12.3-3	Added fuel prep ARM for accuracy.
33.	T12.3-3, Note 2	Note added in response to RAI 12.4-35.
34.	T12.3-4, Note 1	Note added in response to RAI 12.4-35.
35.	T12.3-5, Note 2	Note added in response to RAI 12.4-35.

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36.	T12.3-6, Note 1	Note added in response to RAI 12.4-35.
37.	T12.3-7	Units of measure updated for accuracy.
38.	T12.3-8	Updated table with correct room names, numbers and elevations. Updated Turbine Building nominal shield thickness because of change in design in Rev 4. Added more shielding geometries for Radwaste Building.
39.	T12.3-9	Table revised in response to RAI 12.4-23 S02.
40.	T12.3-10a	Table revised in response to RAI 12.4-23 S02.
41.	T12.3-10b	Table revised in response to RAI 12.4-23 S02.
42.	T12.3-12	Table revised based on new source term.
43.	T12.3-13	Table revised based on new source term.
44.	T12.3-14	Table revised based on new source term.
45.	T12.3-14	Changed “Electrical Equipment Division 3” to “Electrical Equipment Division 1” under “Mission at 72 hours to Room 1321” in response to RAI 12.4-31 S01.
46.	T12.3-14	Added “(1)” to the row labeled “Remote shutdown control panel room division 1” under “Mission at 72 hours to room 1313” in response to RAI 12.4-37.
47.	T12.3-15	Table revised based on new source term.
48.	T12.3-16	Table revised based on new source term.
49.	T12.3-17	Time and Dose changed in first row in response to RAI 12.4-31 S01. Dose changes resulting from the new source term supercede RAI changes.
50.	T12.3-18	Table added in response to RAI 12.7-5.
51.	F12.3-1 thru 11, 19-22, 22a-b, 23-31, 39-51, 51a-f, 52--64, 71-76, 78, 79, 81, 82, 84-86	Multiple updates due to GA drawing changes, design changes, and editorial corrections.
52.	F12.3-3	Figure revised in response to RAI 12.4-24 S02.
53.	F12.3-4, 6, 7 and 10	Figures revised in response to RAI 12.4-19 S03.
54.	T12.3-14	Revised time estimate for remote shutdown panel room dose estimate in response to RAI 12.4-37.

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55.	F12.3-51a to d	Added the individual room identification numbers for the Electrical Building in response to RAI 12.4-39.
56.	F12.3-45 and 51a	Figures revised in response to RAI 12.4-31.
57.	S12.4.4	Subsection revised to delete reference to robotic refueling operations and reduced dose rates due to robotic refueling operations. Added correct number of RPV head bolts.
58.	T12.4-5	Revised table to incorporate correct dose rates and doses for refueling operations in the RB and FB based on changes to Subsection 12.4.4.
59.	T12.4-7	Dose total revised for accuracy.
60.	S12.5.3	COL item added from Subsection 12.3.1.3 in response to RAI 12.4-38.
61.	S12.5.4, COL 12.5-3-A	COL item added from Subsection 12.3.1.3 in response to RAI 12.4-38.
62.	F12.5-1 and 12.5-2	Figures updated for RAI 12.6-1 S01.
63.	S12.6	Section deleted in response to RAI 12.7-5.
64.	12B.7, Formula 12B-5 to last para.	Revised to reflect changes related to the new drywell purge filter charcoal efficiency design change.