

ESBWR DCD Tier 2 Chapter 7

26A6642AW Revision 6 to Revision 7 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.
2.	Entire Chapter	Changed the sequence of the 10 CFR references in all "Safety Evaluation / Code of Federal Regulations" paragraphs for consistency.
3.	S7.1.6.4, RG 1.180	Deleted reference to MIL-STD-461E and IEC 61000-4. Replaced with a reference to section 3.11.3.1. Per RAI 3.11-39 Rev.2 (MFN#09-701 Rev2).
4.	S7.1.6.6, 3 rd paragraph	Deleted sentence "IEC 61000-4 series. The design conforms to this series of standards". This sentence is in the wrong place and inconsistent with remainder of DCD for conducting EMI/RFI testing. Per RAI 3.11-39 Rev 2 (MFN#09-701 Rev2).
5.	S7.1.8, Reference 7.1-9	Deleted "ABWR/" from report title. Reference for NEDO-33304 and NEDE-33304P were updated to indicate latest revision submitted in MFN-09-775 Rev 1 in response to RAI 7.1-141 Rev 1.
6.	S7.1.8, Reference 7.1-10	Reference for NEDO-33245 and NEDE-33245P were updated to indicate latest revision submitted in MFN-10-043. DCD changes reflecting this reference update were submitted in MFN-10-064.
7.	S7.1.8, Reference 7.1-12	Reference for NEDO-33226 and NEDE-33226P were updated to indicate latest revision submitted in MFN-10-043. DCD changes reflecting this reference update were submitted in MFN-10-064.
8.	S7.2.5, Reference 7.2-1	Deleted "ABWR/" from report title. Reference for NEDO-33304 and NEDE-33304P were updated to indicate latest revision submitted in MFN-09-775 Rev 1 in response to RAI 7.1-141 Rev 1.
9.	S7.2.5, Reference 7.2-3	Reference for NEDO-33226 and NEDE-33226P were updated to indicate latest revision submitted in MFN-10-043. DCD changes reflecting this reference update were submitted in MFN-10-064.

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10.	S7.2.5, Reference 7.2-4	Reference for NEDO-33245 and NEDE-33245P were updated to indicate latest revision submitted in MFN-10-043. DCD changes reflecting this reference update were submitted in MFN-10-064.
11.	S7.3.8, Reference 7.3-2	Deleted "ABWR/" from report title. Reference for NEDO-33304 and NEDE-33304P were updated to indicate latest revision submitted in MFN-09-775 Rev 1 in response to RAI 7.1-141 Rev 1.
12.	S7.3.8, Reference 7.3-3	Reference for NEDO-33226 and NEDE-33226P were updated to indicate latest revision submitted in MFN-10-043. DCD changes reflecting this reference update were submitted in MFN-10-064.
13.	S7.3.8, Reference 7.3-4	Reference for NEDO-33245 and NEDE-33245P were updated to indicate latest revision submitted in MFN-10-043. DCD changes reflecting this reference update were submitted in MFN-10-064.
14.	T7.3-4, 3 rd row	Revised in response to RAI 7.3-18 (MFN#09-708); included RPV water level 0.5 parameter to be consistent with S7.3.1.2.2.
15.	S7.4.4.3, 6 th paragraph	Revised in response to RAI 16.2-189 (MFN#09-672); for the IC/PCCS cross-connect valves, clarified that the number of load drivers referenced is "per initiator" and also clarified the number of initiators for each valve.
16.	S7.4.4.3, 6 th paragraph, 5 th sentence	Changed "...in either of the IC/PCCS inner expansion pools to provide..." to "...in the IC/PCCS inner expansion pool to which they are connected to provide..." in response to RAI 19.5-16 (MFN#09-783).
17.	S7.4.7, Reference 7.4-2	Deleted "ABWR/" from report title. Reference for NEDO-33304 and NEDE-33304P were updated to indicate latest revision submitted in MFN-09-775 Rev 1 in response to RAI 7.1-141 Rev 1.

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18.	S7.5.5, IC/PCCS Expansion Pools, 2 nd paragraph, 2 nd sentence	Changed "...is detected in either of the IC/PCCS inner expansion pools to provide..." to "...is detected in the IC/PCCS inner expansion pool to which the valves are connected to provide..." in response to RAI 19.5-16 (MFN#09-783).
19.	S7.5.8, Reference 7.5-2	Deleted "ABWR/" from report title. Reference for NEDO-33304 and NEDE-33304P were updated to indicate latest revision submitted in MFN-09-775 Rev 1 in response to RAI 7.1-141 Rev 1.
20.	S7.8.1.2.5, 1 st paragraph, third bullet	Changed "...detected in either of the IC/PCCS inner expansion pools" to "...is detected in the IC/PCCS inner expansion pool to which the valves are connected." in response to RAI 19.5-16 (MFN#09-783).
21.	S7.8.7, Reference 7.8-3	Reference for NEDO-33245 and NEDE-33245P were updated to indicate latest revision submitted in MFN-10-043. DCD changes reflecting this reference update were submitted in MFN-10-064.
22.	S7.8.7, Reference 7.8-4	Deleted "ABWR/" from report title. Reference for NEDO-33304 and NEDE-33304P were updated to indicate latest revision submitted in MFN-09-775 Rev 1 in response to RAI 7.1-141 Rev 1.
23.	S7B.1, new 8 th , 9 th and 10 th paragraphs	Added 3 new paragraph at the end of this Section to; 1) define "digital computer-based plant process control and monitoring devices, equipment and systems", 2) identify what types of digital computer based systems are not within the scope of the project software plans, and 3) identify what types of digital computer based systems are within the scope of the project software plans (specifically safety related and RTNSS systems) in response to RAI 7.1-142 (MFN#09-803).
24.	S7B.3, Reference 7B.3-1	Reference for NEDO-33226 and NEDE-33226P were updated to indicate latest revision submitted in MFN-10-043. DCD changes reflecting this reference update were submitted in MFN-10-064.

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Item	Location	Description of Change
25.	S7B.3, Reference 7B.3-2	Reference for NEDO-33245 and NEDE-33245P were updated to indicate latest revision submitted in MFN-10-043. DCD changes reflecting this reference update were submitted in MFN-10-064.
26.	S7B.3, new 4 th reference (7B.3-4).	Add 7B.3-4, "ESBWR Man-Machine Interface System And Human Factors Engineering Implementation Plan," NEDE-33217P, Revision 5, Class III, April 2009, and NEDO-33217, Revision 5, Class I, April 2009 in response to RAI 7.1-142 (MFN#09-803).
27.	S7B.3, Reference 7B.3-4	Reference for NEDO-33217 and NEDE-33217P were updated to indicate latest revision submitted in MFN-10-029. DCD changes reflecting this reference update were submitted in MFN-10-062.