

ESBWR DCD Appendix 9A

22A6642BB Revision 1 to Revision 2 Change List

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
1	Acronym list	Added and/or revised generic acronyms for various HVAC systems to match updates to Chapter 9 acronyms.
2	S9A.2.4	Inserted new text from response to NRC RAI 9.5-20 as numbered item (20).
3	S9A.2.6, fourth bullet	Changed "Pool" to "Pools"
4	Table 9A.2-1	Added reference to Table 1.9-20 to cover table reference to NUREG-0800, Section 9.5.1
5	Figure 9A.2-33	Added new Note 4 stating "THIS SITE CONTAINS A SECOND RELIABLE SOURCE OF WATER FOR THE FIRE PROTECTION SYSTEM. THE SECOND RELIABLE SOURCE HAS SUFFICIENT CAPACITY TO MEET THE MAXIMUM WATER DEMAND OF THE SYSTEM FOR A PERIOD OF TWO HOURS. WATER SOURCES THAT ARE USED FOR MULTIPLE PURPOSES ENSURE THAT THE REQUIRED QUANTITY OF WATER IS DEDICATED FOR FIRE PROTECTION ONLY." (Incorporates response to NRC RAI 9.5-4)
6	Table 9A.5-1, Fire Area F1170	Removed reference to elevation EL 34000. Added note "(extra fire hose and fire extinguishers staged at hatches as required)". (Incorporates response to NRC RAI 9.5-21)
7	Table 9A.5-1, Fire Areas F1210, F1220, F1230 and F1240	Added "Battery exhaust fans are alarmed to MCR". (Incorporates response to NRC RAI 9.5-16)

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8	Table 9A.5-1, Fire Areas F1450 and F1460	Added "Potential for hydrogen buildup is mitigated by louvers in the top and bottom of the 3-hr fire rated exterior wall. Ignition within is prevented by requiring all electrical devices to be rated NEC Group B Class I Division II. In the event of an ignition and explosion, damage to the Reactor Building or Control Building is prevented by 3-hr fire rated reinforced concrete walls that are approximately 1.5 meters thick for the nearby Reactor Building and approximately 0.7 meters thick for the Control Building which is further away. Damage to the redundant hydrogen systems is prevented by physically separating them by over 50 meters and surrounding each by 3-hr fire rated concrete walls, including penetration seals and doors." (Incorporates response to NRC RAI 9.5-17)
9	Table 9A.5-3, Fire Area F3270	Added safety-related divisions "I, II, III, IV". (Incorporates response to NRC RAI 9.5-18)
10	Table 9A.5-4, Fire Area F4100	Changed text to refer to Sections 9A.6.4.2, 9A.6.4.3, 9A.6.4.5 and 9A.6.4.13. (Incorporates response to NRC RAI 9.5-19)
11	S9A.6.4.13	Inserted new section 9A.6.4.13. (Incorporates response to NRC RAI 9.5-19)
12	S9A.6.5.4 and S9A.6.5.5	Typos. Changed "are" to "is" in two places.
13	Table 9A.6-1	Inserted new Table 9A.6-1. (Incorporates response to NRC RAI 9.5-19)