

ESBWR DCD APPENDIX 9B

26A6642BD Rev 4 Change List

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
1	S9B, Entire Section	Made editorial changes in numerous locations to remove excessive spacing, correct punctuation, delete repeated words, correct misspelling and correct grammar. Spelled out acronyms where appropriate. Change GE to GEH where appropriate.
2	S9B, Entire Section	Added English units as appropriate to values where no English units were provided.
3	S9B.2, 1 st sent.	Revised sentence to specify additional locations where fire containment systems are addressed from: “As stated in Subsection 9.5.1,” To: “As addressed by Subsection 9.5.1 and Appendix 9A,”
4	S9B.5.1 2 nd bullet, 2 nd para., next to last sent.	Revised sentence for clarity from: “While fast-developing fires may peak above the standard curve in the early stages of fire development, they will tend...” To: “While fast-developing fires may peak above the standard curve in the early stages of fire development, such fires tend...”
5	S9B.5.2, 1 st para., 2 nd sent.	Rewritten for clarity from: “... are many possible types of transient loads, one of the transient combustibles most likely to occur would be bags of protective clothing that might accumulate at...” To: “... are many possible types of transient loads, one of the transient combustibles most likely to occur consists of bags of protective clothing accumulating at...”
6	S9B.5.2, 2 nd sentence of the 2 nd paragraph	Revised sentence for clarity from: “The minimum required floor area per bag in the change area would therefore be the total...” To: “Therefore, the minimum required floor area per bag in the change area is the total...”

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7	S9B.5.2, 4 th para.	<p>Revised sentence for clarity from:</p> <p>“...spills, as they would occur very infrequently and be cleaned up quickly. The example is included here to give an indication of the size of a spill that would be consistent with...”</p> <p>To:</p> <p>“...spills, as it is expected that they would occur very infrequently and be cleaned up quickly. The example is included here to give an indication of the size of a postulated spill that is consistent with...”</p>
8	S9B.5.3, Cable Trays, former 2 nd para.	<p>Deleted paragraph in its entirety to be consistent with current design requirements:</p> <p>“Cable trays, 0.61 m (24 in.) wide and in stacks</p>
9	S9B.5.3, 4 th para, last sentence	<p>Revised for clarity to read as below.</p> <p>“A 40% fill restriction provides for almost twice as many Tefzel insulated cables as XLPE-FR insulated cables.”</p>
10	S9B.5.3, Burning Rate of Cable Insulation, 3 rd para. before bullets	<p>Revised sentences to provide better description of design from:</p> <p>“The value of the burning rate calculations is that they give an idea of what the localized burning rate might be for a cable fire that is not burning in the ventilation controlled mode. Multiple trays of cables should not be run in rooms such as oil storage tank rooms where there would be an ignition...”</p> <p>To:</p> <p>“The burning rate calculations have worth in that they give an idea of what the localized burning rate might be for a cable fire that is not burning in the ventilation controlled mode. Multiple trays of cables are not run in rooms such as oil storage tank room where there is an ignition...”</p>

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11	S9B.5.3 Burning Rate of Cable Insulation, 2 nd para from bullets	<p>Revised sentences to provide another indication of design margin from:</p> <p>“One additional comment is that the low ventilation controlled burning rate of 823 MJ/min of floor area as compared to the barrier system capacity of 15.14 MJ/min/m² (1,333 Btu/min/ft²) as determined previously in Example 1 of Subsection 9B.5.1 is another indication of the design margin that is provided by the three-hour fire barrier system. “</p> <p>To:</p> <p>“There is another indication of the design margin provided by the three-hour fire barrier system. That indication is the comparison of the low ventilation controlled burning rate of 823 MJ/min (780,000 Btu/min) of floor area with the barrier system capacity of 15.14 MJ/min/m² (1,333 Btu/min/ft²) as determined previously in Example 1 of Subsection 9B.5.1.”</p>
12	S9B Reference 9B-3	Deleted reference as it is no longer specified in this Appendix.
13	S9B Reference 9B-7	Added new reference for NFPA as it is applicable to this Appendix.