

**ESBWR DCD Tier 2 Chapter 9 Appendix 9A**  
**26A6642BB 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.	S9A.2.4 Acceptance Criteria Item 2	Revised combustible loading limit to be consistent with significant figures.
3.	S9A.2.4 Acceptance Criteria Item 12, 2 <sup>nd</sup> para.	Revised maximum calorific value to be consistent with significant figures.
4.	S9A.2.4 Acceptance Criteria Item 12 4 <sup>th</sup> para.	Revised numbers for insulation per square meter of tray to be consistent with significant figures.
5.	S9A.2.4 Acceptance Criteria Item 20(e)	Revised flow rate to be consistent with significant figures.
6.	S9A.2.4, Acceptance Criteria, Item 21	Provided additional guidelines for FHA assumptions associated with spurious actuations in response to RAI 9.5-92.
7.	S9A.2.4, Acceptance Criteria, Item 22	Provided additional acceptance criteria for circuit routing to conform with methodology of NEI 00-01 Rev 1 in response to RAI 9.5-92.
8.	S9A.2.4, Acceptance Criteria, Item 22	Provided document titles for NEI 00-01, Guidance For Post-Fire Safe Shutdown Analysis, and RIS 05-030, NRC Regulatory Issue Summary 05-030, Clarification Of Post-Fire Safe-Shutdown Circuit Regulatory Requirements.
9.	S9A.2.6, Redundant <u>Nonsafety-Related</u> Systems and Equipment, 2 <sup>nd</sup> para., 9 <sup>th</sup> bullet	Revised Non-IE DCS system to N-DCIS in agreement with ESBWR Global Acronym List.
10.	T9A.2-1, Fire Protection Codes and Standards	Added NEI 00-01, Guidance For Post-Fire Safe Shutdown Analysis, and RIS 05-030, NRC Regulatory Issue Summary 05-030, Clarification Of Post-Fire Safe-Shutdown Circuit Regulatory Requirements to list of Fire Protection Codes and Standards.

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11.	T9A.2-2, Systems Required to Achieve Safe Shutdown in the Event of Fire Division Column	Replaced Division# with “any two of four” for ICS, GDCS and ADS.
12.	F9A.2-1	Added missing outline of IFTT Room in the Fuel Building boundaries and added plan view on IFTT Sleeve with leader: "Inclined Fuel Transfer Tube Outline" in response to RAI 12.4-19 S03.
13.	F9A.2-2	Added missing outline of IFTT Room in the Fuel Building boundaries and added plan view on IFTT Sleeve with leader: "Inclined Fuel Transfer Tube Outline" in response to RAI 12.4-19 S03.
14.	F9A.2-2	Removed duplicate “Security Related Information” label block from figure.
15.	F9A.2-3	Added missing outline of IFTT Room in the Fuel Building boundaries and added plan view on IFTT Sleeve with leader: "Inclined Fuel Transfer Tube Outline" in response to RAI 12.4-19 S03.
16.	F9A.2-3	Revised to correct building elevation in response to RAI 9.5-91.
17.	F9A.2-3	Revised per design change.
18.	F9A.2-4	Added missing outline of IFTT Room in the Fuel Building boundaries and added plan view on IFTT Sleeve with leader: "Inclined Fuel Transfer Tube Outline" in response to RAI 12.4-19 S03.
19.	F9A.2-4	Revised per design change.
20.	F9A.2-5	Added hidden lines to reflect location of missing Access Plug to Trapezoidal Room in Fuel Building in response to RAI 12.4-19 S02.
21.	F9A.2-5	Added missing outline of IFTT Room in the Fuel Building boundaries and added plan view on IFTT Sleeve in response to RAI 12.4-19 S03.
22.	F9A.2-5	Revised per design change.

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23.	F9A.2-6	Added missing outline of IFTT Room in the Fuel Building boundaries and added plan view on IFTT Sleeve in response to RAI 12.4-19 S03.
24.	F9A.2-6	Removed Fuel Building crane rails as unnecessary detail for fire zone drawing.
25.	F9A.2-6	Removed “Not To Be Used for Construction” note block erroneously placed on figure.
26.	F9A.2-6	Revised per design change.
27.	F9A.2-7	Added two FW Isolation Valves (FWIV) on two FW lines and changed FWIV configuration. MS Isolation Valves'(MSIV) type changed from Y-type Globe Valves to Gate Valves in response to RAI 5.4-61.
28.	F9A.2-7	Added missing outline of IFTT Room in the Fuel Building boundaries and added plan view on IFTT Sleeve in response to RAI 12.4-19S03.
29.	F9A.2-7	Removed “Not To Be Used for Construction “ note block erroneously placed on figure.
30.	F9A.2-7	Revised per design change.
31.	F9A.2-8	Increase RB Upper Pool Gate Walls' thickness from 1300 mm to 1600 mm and move wall between Buffer Pool and IFTS Pool 150 mm to the South in response to RAI 3.8-41S06.
32.	F9A.2-8	Removed “Not To Be Used for Construction “ note block erroneously placed on figure.
33.	F9A.2-8	Incorrect fire zones originally identified. F1191 changed to F1190, F1162 changed to F1192.
34.	F9A.2-8	Revised per design change.
35.	F9A.2-9	Increase RB Upper Pool Gate Walls' thickness from 1300 mm to 1600 mm and move wall between Buffer Pool and IFTS Pool 150 mm to the South in response to RAI 3.8-41 S06.

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36.	F9A.2-9	Removed “Not To Be Used for Construction” note block erroneously placed on figure
37.	F9A.2-10	Increase RB Upper Pool Gate Walls' thickness from 1300 mm to 1600 mm and move wall between Buffer Pool and IFTS Pool 150 mm to the South in response to RAI 3.8-41 S06.
38.	F9A.2-10	MS Valves' Type change from Y-type Globe to Gate Vales & Configuration of FW Isolation Valves in response to RAI 5.4-61.
39.	F9A.2-10	Move 12 of 200 mm DIA Suppression Chamber Spill-over Holes 500mm up (from EL 12370 to EL 12870) in response to RAI 21.6-103.
40.	F9A.2-10	Added missing IFTT Sleeves in response to RAI 12.4-19 S03.
41.	F9A.2-10	Added clarification phrase “(Rotated View)” on section view of Wetwell Access Hatch in response to RAI 12.4-19 S03.
42.	F9A.2-10	Removed “Not To Be Used for Construction” note block erroneously placed on figure
43.	F9A.2-10	Revised per design change.
44.	F9A.2-11	Moved 12 of 200 mm DIA Suppression Chamber Spill-over Holes 500mm up (from EL 12370 to EL 12870) in response to RAI 21.6-103.
45.	F9A.2-11	Moved two vent-openings in the upper pool walls between 18P5C / 18P5A and 18P6C / 18P6A to be consistent with DCD Figure 1.2-8.
46.	F9A.2-11	Revised per design change.
47.	F9A.2-13	Revised to correct fire zones surrounding spare transformer.
48.	F9A.2-16a	Added required “Security Related Information” label block from figure.
49.	F9A.2-19	Revised Drawing to label transformers shown adjacent to the turbine building at ground elevation.

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<b>Item</b>	<b>Location</b>	<b>Description of Change</b>
50.	F9A.2-20	Change name of RW Room # 6151 from "Low Activity Sludge Phase Separator Room A" to "High Activity Phase Separator Room" to be consistent with DCD Subsection 11.4.2.2.2.
51.	F9A.2-20	Change name of RW Room # 6161 from "Low Activity Sludge Phase Separator Room B" to "Low Activity Phase Separator Room" to be consistent with DCD Subsection 11.4.2.2.2.
52.	F9A.2-21	Change name of RW Room # 6151 from "Low Activity Sludge Phase Separator Room A" to "High Activity Phase Separator Room" to be consistent with DCD Subsection 11.4.2.2.2.
53.	F9A.2-21	Change name of RW Room # 6161 from "Low Activity Sludge Phase Separator Room B" to "Low Activity Phase Separator Room" to be consistent with DCD Subsection 11.4.2.2.2.
54.	F9A.2-22	Change word "Mobile" to "Processing" in the name of RW Room # 6381 to be consistent with changes made under RAI 11.2-16.
55.	F9A.2-23	Change Abbreviation "EV" to the word "ELEVATOR" in the name of RW Room # 6580. EV is not approved acronym.
56.	F9A.2-24	Change word "Mobile" to "Processing" in the name of RW Room # 6381 to be consistent with changes made under RAI 11.2-16
57.	F9A.2-30	Relocate intake louvers away from TB for dose reduction approved under Engineering Change.
58.	F9A.2-32	Labeled Unit Auxiliary Transformer B (F5168).
59.	F9A.2-33	Added Fire Zone F7300 for SF/WT building.
60.	F9A.2-33	EB outline shall be updated as per EB GENERAL AREA DRAWINGS.
61.	F9A.2-33	Updated location of rail line.

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62.	F9A.2-33	Added required “Security Related Information” label.
63.	S9A.3.5, Wall Deviations, 3 <sup>rd</sup> para., 2 <sup>nd</sup> sent.	Defined International Conference of Building Officials (ICBO).
64.	S9A.4.1, Reactor Building, 1 <sup>st</sup> para., last sent.	Revised discussion from cold shutdown requirements to safe shutdown requirements for correctness in response to RAI 9.5-83.
65.	S9A.4.2 Fuel Building, 1 <sup>st</sup> para., 1 <sup>st</sup> sent.	Revised Figures to Figures 9A.2 through 9A.2-8 and 9A.2-10 to reflect drawings with Fuel Building Fire Zones.
66.	S9A.4.2, Fuel Building, 1 <sup>st</sup> para., last sent	Revised discussion from cold shutdown requirements to safe shutdown requirements for correctness in response to RAI 9.5-83.
67.	S9A.4.3 Control Building 1 <sup>st</sup> para., 1 <sup>st</sup> sent.	Revised Figures to F9A2-2 through 9A2-5 and 9A2-11 to reflect drawings with Control Building Fire Zones.
68.	S9A.4.3, Control Building, 1 <sup>st</sup> para., last sent	Revised discussion from cold shutdown requirements to safe shutdown requirements for correctness in response to RAI 9.5-83.
69.	S9A.4.4, Turbine Building, 1 <sup>st</sup> para., last sent	Revised discussion from cold shutdown requirements to safe shutdown requirements for correctness in response to RAI 9.5-83.
70.	S9A.4.5, Radwaste Building, 1 <sup>st</sup> para., last sent	Revised discussion from cold shutdown requirements to safe shutdown requirements for correctness in response to RAI 9.5-83.
71.	S9A.4.6, Electrical Building, 1 <sup>st</sup> para., last sent	Revised discussion from cold shutdown requirements to safe shutdown requirements for correctness in response to RAI 9.5-83.
72.	S9A.4.7, Yard, 1 <sup>st</sup> para., 2 <sup>nd</sup> sent	Revised to spell out acronym for Combined License (COL) upon 1 <sup>st</sup> use in Appendix per DCD Writers Guide.
73.	S9A.4.7, Yard, 4 <sup>th</sup> para., last sent	Revised discussion from cold shutdown requirements to safe shutdown requirements for correctness in response to RAI 9.5-83.

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74.	S9A.4.8, Service Building, 1 <sup>st</sup> para., last sent	Revised discussion from cold shutdown requirements to safe shutdown requirements for correctness in response to RAI 9.5-83.
75.	S9A.4.8, Service Building, 6 <sup>th</sup> para., 1 <sup>st</sup> sent.	Added the word Class in front of A, B, C.
76.	S9A.4.9, SF/WT, 1 <sup>st</sup> para., 2 <sup>nd</sup> sent.	Revised discussion from cold shutdown requirements to safe shutdown requirements for correctness in response to RAI 9.5-83.
77.	S9A.4.9, SF/WT, 1 <sup>st</sup> para., 3 <sup>rd</sup> and 4 <sup>th</sup> sent.	Revised discussion to distinguish separation requirements between redundant nonsafety-related systems versus RTNSS in response to RAI 9.5-83.
78.	S9A.4.9, SF/WT, 2 <sup>nd</sup> para., 2 <sup>nd</sup> sent.	Revised discussion to distinguish separation requirements between redundant nonsafety-related systems versus RTNSS in response to RAI 9.5-83.
79.	S9.A.4.9 SF/WT, 4 <sup>th</sup> para. 1 <sup>st</sup> sent.	Added the word Class before A, B, C.
80.	S9A.4.10, Ancillary Diesel Building, 1 <sup>st</sup> para., 1 <sup>st</sup> sent.	Revised discussion to distinguish separation requirements between redundant nonsafety-related systems versus RTNSS in response to RAI 9.5-83.
81.	S9A.4.10, Ancillary Diesel Building, 1 <sup>st</sup> para., last sent.	Revised discussion from cold shutdown requirements to safe shutdown requirements in response to RAI 9.5-83, added description that the ADG supports safe shutdown for 72 hours following a design basis accident.
82.	S9A.4.10, Ancillary Diesel Building, 5 <sup>th</sup> para., 2 <sup>nd</sup> thru 4 <sup>th</sup> sent.	Revised discussion of exterior walls and fire barriers in response to RAI 9.5-83.
83.	S9A.4.10, Ancillary Diesel Building , 9 <sup>th</sup> para.	Revised subsection 9A.4.10 to delete paragraph that provided the basis for single fire area in response to RAI 9.5-85.
84.	S9A.4.10, Ancillary Diesel Building, 10 <sup>th</sup> para.	Revised subsection 9A.4.10 to delete reference to Service Building and correct description of location of manual fire alarm pull boxes in response to RAI 9.5-84.

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85.	S9.4.10, Ancillary Diesel Building, former 8th para. (new 7th para.)	Added the word Class before A, B, C to describe portable fire extinguishers.
86.	S9A.4.11 Fire Pump Enclosure 1st para., last sent.	Changed hot standby to stable shutdown.
87.	S9A.5 Fire Protection Analysis By Room or Fire Zone, 2nd para., 5th bullet	Changed hot standby to hot shutdown or stable shutdown condition.
88.	S9A.5.9 Service Water/Water Treatment Building, 1 <sup>st</sup> para., 2 <sup>nd</sup> sent.	Revised discussion to distinguish separation requirements between redundant nonsafety-related systems versus RTNSS in response to RAI 9.5-83.
89.	T9A.5-1, Reactor Building, Fire Area F1150	Corrected reactor building Fire Area F1150 Description from NW to NE and deleted non-safety from the description.
90.	T9A.5-1, Reactor Building, Fire Area F1152	Corrected reactor building Fire Area F1152 Description from NE to SE and deleted nonsafety from the description.
91.	T9A.5-1, Reactor Building, Fire Area F1160	Corrected reactor building Fire Area F1160 Description from SW to NW and deleted nonsafety from the description.
92.	T9A.5-1, Reactor Building, Fire Area F1162	Corrected reactor building Fire Area F1162 Description from SE to SW and deleted nonsafety from the description.
93.	T9A.5-1, Reactor Building, Fire Area F1191	Corrected reactor building Fire Area F1191 Radiological release from “None, no radiological materials present” to “contained within building.” This is RB contaminated stair tower.
94.	T9A.5-1, Reactor Building, Fire Area F1193	Corrected reactor building Fire Area F1193 Radiological release from “None, no radiological materials present” to “contained within building.” This is RB contaminated stair tower.



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95.	T9A.5-1, Reactor Building, Fire Area F1195	Corrected reactor building Fire Area F1195 Radiological release from “None, no radiological materials present” to “contained within building.” This is RB contaminated stair tower (interior). <b>Added 9A.2-10 to DCD figures.</b>
96.	T9A.5-1, Reactor Building, Fire Area F1196	Corrected reactor building Fire Area F1196 Radiological release from “None, no radiological materials present” to “contained within building.” This is RB contaminated stair tower (interior).
97.	T9A.5-1, Reactor Building, Fire Area F1197	Corrected reactor building Fire Area F1197 Radiological release from “None, no radiological materials present” to “contained within building.” This is RB contaminated stair tower (interior).
98.	T9A.5-1, Reactor Building, Fire Area F1198	Corrected reactor building Fire Area F1198 Radiological release from “None, no radiological materials present” to “contained within building.” This is RB contaminated stair tower (interior).
99.	T9A.5-1 Reactor Building Fire Area F1203	Removed Figure 9A.2-4 from DCD figures for this fire zone. F1203 is not reflected on this figure.
100.	T9A.5-1, Reactor Building Fire Area F1210	Changed volume of battery acid from 5,520 L to 29,810L to reflect current battery requirements.
101.	T9A.5-1, Reactor Building Fire Area F1220	Changed volume of battery acid from 5,520 L to 29,810L to reflect current battery requirements.
102.	T9A.5-1, Reactor Building Fire Area F1230	Changed volume of battery acid from 5,520 L to 29,810L to reflect current battery requirements.
103.	T9A.5-1, Reactor Building Fire Area F1240	Changed volume of battery acid from 5520 L to 29,810L to reflect current battery requirements.
104.	T9A.5-1 Reactor Building Fire Area F1311	Added Room # 1211 to -1000 elev. for fire area.
105.	T9A.5-1 Reactor Building Fire Area F1480	Added fire area to be consistent with current design.
106.	T9A.5-1 Reactor Building Fire Area F1481	Added fire area to be consistent with current design.
107.	T9A.5-1 Reactor Building Fire Area F1580	Added fire area to be consistent with current design.

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108.	T9A.5-1 Reactor Building Fire Area F1581	Added fire area to be consistent with current design.
109.	T9A.5-1 Reactor Building Fire Area F1600	Added Rooms # 17P3, 18P2 & 1294 to elev. 34000 as result of design change.
110.	T9A.5-1 Reactor Building Fire Area F1600	Updated table to be consistent with current design.
111.	T9A.5-1 Reactor Building Fire Area F1601	Added fire area to be consistent with current design.
112.	T9A.5-1 Reactor Building Fire Area F1680	Added fire area to be consistent with current design.
113.	T9A.5-1 Reactor Building Fire Area F1681	Added fire area to be consistent with current design.
114.	T9A.5-1 Reactor Building Fire Area F2100	Added Rms 2190, 2191, 21PO, 21P1 and 21P2 to elev. -1000.
115.	T9A.5-1 Reactor Building Fire Area F2490	Deleted Reference to Figure F9A.2-8 as this figure does not show F2490.
116.	T9A.5-1 Reactor Building Fire Area F2601	Added Rm 2194 to 22700 elev.
117.	T9A.5.3 Control Building Fire Area F3101	Deleted Reference to Figure F9A2-11 as this figure does not show F3101.
118.	T9A.5-3, Control Building Fire Area F3110	Added Reference to NFPA 75.
119.	T9A.5-3, Control Building Fire Area F3110	Corrected Fire Area F3110 Rooms 3251 & 3250 and revised to contain cable insulation and electrical equipment in response to RAI 9.5-86.
120.	T9A.5-3, Control Building Fire Area F3130	Revised rooms containing potential combustibles for Fire Area 3130 to Rooms 3260 and 3261 from Rooms 3160 and 3161 in response to RAI 9.5-86.
121.	T9A.5-3, Control Building Fire Area F3301	Revised safe shutdown impact to reflect redundant train B will be operable in response to RAI 9.5-83.
122.	T9A.5-3, Control Building Fire Area F3302	Revised safe shutdown impact to reflect a redundant A train remains operable in response to RAI 9.5-83.
123.	T9A.5-4, Turbine Building Fire Area F4197	Added Room 4109 to Fire Area F4197 at -1400 el.

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124.	T9A.5-4, Turbine Building Fire Area F4197	Added Room 4506 to Fire Area F4197 at 28000 el.
125.	T9A.5-4, Turbine Building Fire Area F4197	Removed DCD Figure 9A.2-16a & 9A.2-17 – These do not reflect F4197.
126.	T9A.5-4 Turbine Building Fire Area F4303	Corrected room from 4360 to 4303 on elev. 12000.
127.	T9A.5-5, Radwaste Building Fire Area F6101	Revised statement for Radiological Release entry from "per 10 CFR 100 limits" to "Contained within building." for consistency. Additionally, Section 9A.4.5 indicates the dose limits will be with 10 CFR 20 limits not 10 CFR 100 limits.
128.	T9A.5-5, Radwaste Building Fire Area F6101	Added Rooms 6103, 6104, 6105, 6106, 6107, 6108, 6109, 6150, 6151, 6160, 6161, 6171, 6172 to table at –2350 elev.
129.	T9A.5-5, Radwaste Building Fire Area F6101	Listed Charcoal Filter to room description at 4650 elev.
130.	T9A.5-5 Radwaste Building Fire Area F6102	Removed DCD Fig.9A.2-21 from F6102. This fire area is not shown on this DCD figure.
131.	T9A.5-6, Electrical Building, Fire Area F5153	Fire Area revised to add a standby diesel modifier in response to RAI 9.5-90 following addition of the ancillary diesel generator approved under engineering change.
132.	T9A.5-6, Electrical Building, Fire Area F5163	Fire Area revised to add a standby diesel modifier in response to RAI 9.5-90 following addition of the ancillary diesel generator approved under engineering change.
133.	T9A.5-6, Electrical Building, Fire Area F5201	The safe shutdown evaluation was revised in response to RAI 9.5-87 to clarify that even though a fire in this fire area can result in the loss of safety-related components, that safe shutdown is not adversely impacted. A fire in this area only adversely affects one (1) train, on-site and off-site power and related equipment.

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134.	T9A.5-6, Electrical Building, Fire Area F5204	The safe shutdown evaluation was revised in response to RAI 9.5-87 to clarify that even though a fire in this fire area can result in the loss of safety-related components, that safe shutdown is not adversely impacted. A fire in this area only adversely affects one (1) train, on-site and off-site power and related equipment.
135.	T9A.5-6, Electrical Building, Fire Area F5250	Fire Area revised to add a standby diesel modifier in response to RAI 9.5-90 following addition of the ancillary diesel generator approved under engineering change.
136.	T9A.5-6, Electrical Building, Fire Area F5251	Fire Area revised to add a standby diesel modifier in response to RAI 9.5-90 following addition of the ancillary diesel generator approved under engineering change. The combustible load limit was changed from 700 to 1400 in response to RAI 9.5-90.
137.	T9A.5-6, Electrical Building, Fire Area F5260	Fire Area revised to add a standby diesel modifier in response to RAI 9.5-90 following addition of the ancillary diesel generator approved under engineering change.
138.	T9A.5-6, Electrical Building, Fire Area F5261	Fire Area revised to add a standby diesel modifier in response to RAI 9.5-90 following addition of the ancillary diesel generator approved under engineering change. The combustible load limit was changed from 700 to 1400 in response to RAI 9.5-90
139.	T9A.5-7, Yard, Fire Area F4274	Changed reference from NFPA10 to NFPA 15.
140.	T9A.5-7, Yard, Fire Area F5159	Revised fuel oil storage tank capacity to reflect current sizing requirements.
141.	T9A.5-7, Yard, Fire Area F5168	Added DCD Figure 9A.2-32 to reference figures.
142.	T9A.5-7, Yard, Fire Area F5169	Revised fuel oil storage tank capacity to reflect current sizing requirements.
143.	T9A.5-7, Yard, Fire Area F9150	Corrected Elevation from -1300 to 1300.

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144.	T9A.5-7, Yard, Fire Area F9160	Removed figure 9A.2-11 from DCD figures for fire area. This figure does not show this fire area.
145.	T9A.5-7, Yard, Fire Area F9160	Corrected Elevation from -1300 to 1300.
146.	T9A.5-7, Yard, Fire Area F9201	Corrected Elevation from -1300 to 1300.
147.	T9A.5-7, Yard, Fire Area F19150	Deleted References NFPA 30 and 37. These are not applicable to electric fire pumps.
148.	T9A.5-7, Yard, Fire Area F19160	This table was revised to clarify that there is only one non seismic motor driven fire pump in response to RAI 9.5-88.
149.	T9A.5-7, Yard, Fire Area F19161	This table was revised to clarify that there is only one non seismic motor driven fire pump in response to RAI 9.5-88.
150.	T9A.5-7, Yard, Fire Area F39151	Fire Area revised to reflect the description in S9A.4-10, and to address similarities between rooms and detection and suppression equipment in response to RAI 9.5-89.
151.	T9A.5-7, Yard, Fire Area F39151	Potential combustibles updated in response to RAI 9.5-89.
152.	T9A.5-7, Yard, Fire Area F39161	Fire Area revised to reflect the description in S9A.4-10, and to address similarities between rooms and detection and suppression equipment in response to RAI 9.5-89.
153.	T9A.5-7, Yard, Fire Area F39161	Potential combustibles updated in response to RAI 9.5-89.
154.	T9A.5-7, Yard, Fire Area F39252	Fire Area revised to reflect the description in S9A.4-10, and to address similarities between rooms and detection and suppression equipment in response to RAI 9.5-89.
155.	T9A.5-7, Yard, Fire Area F39252	Potential combustibles updated in response to RAI 9.5-89.

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156.	T9A.5-7, Yard, Fire Area F39253	Fire Area revised to reflect the description in S9A.4-10, and to address similarities between rooms and detection and suppression equipment in response to RAI 9.5-89.
157.	T9A.5-7, Yard, Fire Area F39253	Potential combustibles and anticipated combustible load updated in response to RAI 9.5-89.
158.	T9A.5-7, Yard, Fire Area F39262	Fire Area revised to reflect the description in S9A.4-10, and to address similarities between rooms and detection and suppression equipment in response to RAI 9.5-89.
159.	T9A.5-7, Yard, Fire Area F39262	Potential combustibles updated in response to RAI 9.5-89.
160.	T9A.5-7, Yard, Fire Area F39263	Fire Area revised to reflect the description in S9A.4-10, and to address similarities between rooms and detection and suppression equipment in response to RAI 9.5-89.
161.	T9A.5-7, Yard, Fire Area F39263	Potential combustibles and anticipated combustible load updated in response to RAI 9.5-89.
162.	S9A.6.4-1, RPS Scram Circuits, 3 <sup>rd</sup> para., 1 <sup>st</sup> and 2 <sup>nd</sup> sent.	Revised air header dump valves to backup scram valves in response to RAI 16.2-135S01.
163.	S9A.6.4.1, RPS Scram Circuits, 3 <sup>rd</sup> para., 2 <sup>nd</sup> sent.	Corrected 240 VDC to 250 VDC.
164.	S9A.6.4.13, Safety-Related Instrumentation in Turbine and Electrical Buildings, Title and 1 <sup>st</sup> sent	Revised title and 1 <sup>st</sup> sentence of Safety-Related Instrumentation in Turbine and Electrical Buildings to note that safety-related instrumentation is installed in the Electrical Building in response to RAI 9.5-83.
165.	S9A.6.5.4, Diesel Day Tank Capacity Within Building, 3 <sup>rd</sup> para.	Revised description of SDG day tank capacity requirement for consistency with Subsection 9.5.4.1.
166.	S9A.6.5.8 Title	Revised subsection Title in response to RAI 9.5-74.

**ESBWR DCD Tier 2 Chapter 9 Appendix 9A**

**26A6642BB Revision 5 to Revision 6 Change List**

<b>Item</b>	<b>Location</b>	<b>Description of Change</b>
167.	S9A.6.5.8, 3 <sup>rd</sup> and 4 <sup>th</sup> para.	Revised paragraphs in response to RAI 9.5-72 to provide additional justification for exception to reaching all areas of containment using one (1) 100 ft length of fire hose. These two paragraphs clarify that full containment coverage by two hose streams will be provided by the 200-foot fire hose length described in Subsection 9.5.1.6. <b>Added dual units for consistency.</b>
168.	S9A.6.6.2, Buildings Containing Large Fire Areas without Sprinkler Protection, 1st para. 1st sent. and 2nd para., last sent.	Provided English equivalent for 1115 m2 and corrected English equivalent value for 2230 m2 area to 24004 ft2.
169.	S9A.6.6.2, Buildings Containing Large Fire Areas without Sprinkler Protection, 3rd para. 2nd to last bullet	Added F1601 to fire areas with very tall ceilings. F1601 added due to engineering change to RB.
170.	S9A.6.6.4, Lack of Fire Fighter Exterior Access Openings, without Sprinkler Protection, 1 <sup>st</sup> para., last bullet	Corrected reference section of applicable IBC code.
171.	T9A.6-1, Turbine and Electrical Building Safety-Related Monitoring Devices, row Turbine Control Valve	Revised Turbine Control Valve <u>Position</u> as an RPS input to low oil pressure in the hydraulic trip system as RPS input to be consistent with the RPS description in Chapter 7.
172.	T9A.6-1, Turbine and Electrical Building Safety-Related Monitoring Devices, row 13.8kVv Bus undervoltage	Corrected kW to kV in response to RAI 9.5-83 and added description that loss of these circuits will result in a scram in response to RAI 9.5-87.