

### Revision 0 to Revision 1 Change List – Appendix 3G

<b>Item</b>	<b>Location</b> (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	<b>Description of Change</b>
1.	Appendices 3G – 3L Cover Page	Added Security-Related Information designation to Cover Page and affected Figures.
2.	S3G.1.3.1.1, 1 <sup>st</sup> para., 2 <sup>nd</sup> bullet	Replaced sent. to read “Passive Containment Cooling System (PCCS) and Isolation Condenser (IC) heat exchanger pools, the separator/dryer storage pool, the reactor cavity and the buffer pool.”
3.	S3G.1.3.1.2, 1 <sup>st</sup> para., 2 <sup>nd</sup> sent.	Replaced “suppression chamber” with “wetwell”.
4.	S3G.1.3.1.2, 3 <sup>rd</sup> para., 1 <sup>st</sup> sent.	Inserted “the” before “outer wall”.
5.	S3G.1.3.1.4, 2 <sup>nd</sup> para., 1 <sup>st</sup> sent.	Replaced “suppression chamber” with “wetwell”.
6.	S3G.1.4.1, 4 <sup>th</sup> para., 5 <sup>th</sup> sent.	Added a comma after “elements”.
7.	S3G.1.4.1, 5 <sup>th</sup> para., 3 <sup>rd</sup> bullet	Replaced “suppression chamber” with “wetwell”.
8.	S3G.1.5.2.1.13, 2 <sup>nd</sup> para., 1 <sup>st</sup> sent.	Rewritten to read “The seismic loads are composed of one vertical and two perpendicular horizontal components.”
9.	S3G.1.5.2.2.1, 1 <sup>st</sup> sent.	Inserted “a” after “Table 3.8-2 gives”.
10.	S3G.1.5.2.2.2, 1 <sup>st</sup> sent.	Inserted “a” after “Table 3.8-4 gives”.
11.	S3G.1.5.2.2.3	Inserted “a” after “Table 3.8-7 gives”.
12.	S3G.1.5.2.3.2, 1 <sup>st</sup> para.	Replaced “are” with “is”
13.	S3G.1.5.4, 2 <sup>nd</sup> para., 2 <sup>nd</sup> sent.	Replaced “wall and slab” with “walls and slabs”.
14.	S3G.1.5.4, 3 <sup>rd</sup> para., 1 <sup>st</sup> sent.	Inserted “a” after “Table 3G.1-39 shows”.

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15.	S3G.1.5.4.1.1, 1 <sup>st</sup> para., 2 <sup>nd</sup> sent.	Replaced “302.5 MPa at Section 9 near the top of the RCCV Drywell due to load combination CV-11b, as shown in Table 3G.1-32” with “292.5 MPa at Section 4 near the bottom of the RCCV Wetwell due to load combination CV-11a, as shown in Table 3G.1-31”.
16.	S3G.1.5.4.1.1, 1 <sup>st</sup> para., 3 <sup>rd</sup> sent.	Replaced “334.1 MPa, which occurs also at Section 5 mid-height” with “363.0 MPa, which occurs also at Section 4, the bottom”.
17.	S3G.1.5.4.1.1, 1 <sup>st</sup> para., last sent.	Replaced “22.3 MPa” with “22.1 MPa”.
18.	S3G.1.5.4.1.1, 2 <sup>nd</sup> para., 1 <sup>st</sup> sent.	Replaced “3.65 MPa” with “3.88 MPa”.
19.	S3G.1.5.4.1.1, 4 <sup>th</sup> para., 2 <sup>nd</sup> sent.	Replaced “0.0026 at Section 7” with “0.0040 at Section 6”.
20.	S3G.1.5.4.1.2, 1 <sup>st</sup> para., 3 <sup>rd</sup> sent.	Replaced “270.5 MPa” with “256.0 Mpa”. Replaced “265.0 MPa at Section 14” with 264.0 MPa at Section 13”. Replaced “CV-11a” with “CV-7a”.
21.	S3G.1.5.4.1.2, 1 <sup>st</sup> para., last sent.	Replaced 9.0 MPa and 26.1 MPa” with “10.6 MPa and 20.4 MPa”.
22.	S3G.1.5.4.1.2, 2 <sup>nd</sup> para., 1 <sup>st</sup> sent.	Replaced “1.10 MPa at Section 16 for the load combination CV11a in the Top Slab, and 3.98 MPa” with “0.93 MPa at Section 17 for the load combination CV-7b in the Top Slab, and 4.22 MPa”.
23.	S3G.1.5.4.1.2, 3 <sup>rd</sup> para.	Replaced “0.0018 at Section 17” with “0.0025 at Section 12”.
24.	S3G.1.5.4.1.3, 2 <sup>nd</sup> para.	Replaced “0.0005” with “0.0006”.
25.	S3G.1.5.4.2.1, 1 <sup>st</sup> para., 1 <sup>st</sup> sent.	Inserted “a” after “The design of”.
26.	S3G.1.5.6, 1 <sup>st</sup> sent.	Replaced “are” with “is”.
27.	T3G.1-3, Column 1, Row 13	Replaced “suppression chamber” with “wetwell”.
28.	T3G.1-16 through T3G.1-18	Contents are revised because of re-analyses for thermal loads due to the correction of the RCCV liner material properties.

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29.	T3G.1-23 through T3G.1-26	Thermal section forces and moments are revised.
30.	T3G.1-28, items 10 & 11, columns 5 through 8	Editorial errors on basemat rebar stresses are corrected.
31.	T3G.1-29 through T3G.1-33	Contents are revised because of the changes of thermal section forces and moments and thermal ratios.
32.	T3G.1-35	Replaced all “Calculated Strain” values.
33.	T3G.1-37, “Top Plate”	Column 3: Deleted “/Extreme”. Column 4: Replaced “-387” with “-377”. Column 4: Replaced “183” with “200”. Column 5: Replaced “417” with “391”. Column 6: Replaced “1.6S” with “1.5S”.
34.	T3G.1-37, “Bottom Plate”	Column 4: Replaced “-302” with “-399”. Column 4: Replaced “154” with “202”.
35.	T3G.1-37, “Radial Web Plate(Upper Web)”	Column 4: Replaced “-352” with “-336”.
36.	T3G.1-37, “Radial Web Plate(Lower Web)”	Column 5: Replaced “272” with “261”.
37.	T3G.1-37, “Tangential Web Plate”	Column 1: Added “*1” after “Web Plate”. Column 3: Replaced “Abnormal” with “Severe”. Column 3: Replaced “Abnormal/Extreme” with “Normal”. Column 4: Replaced “-373” with “-83” and “192” with “61”. Column 5: Replaced “391” with “261” and “243” with “174”. Column 6: Replaced “1.5S” and “1.4S” with “1.0S”.
38.	T3G.1-37, “Bottom Flange”	Column 5: Replaced “272” with “269”.

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39.	T3G.1-39, Column 4	Replaced “-244” with “-266”. Replaced “-261” with “-262”. Replaced “150” with “152”. Replaced “-352” with “-299”. Replaced “226” with “174”.
40.	T3G.1-40	Column 1: Replaced “210” with “260”. Column 4: Replaced “-217” with “-223” and “113” with “111”.
41.	T3G.1-41, Column 4	Replaced “-174” with “-169” and “92” with “91”.
42.	T3G.1-42, Column 4 Title	Editorial change.
43.	T3G.1-45 through T3G.1-49	Thermal section forces and moments are revised because of re-analyses for thermal loads due to the correction of the RCCV liner material properties.
44.	T3G.1-51 through T3G.1-56	Contents are revised because of the changes of thermal section forces and moments.
45.	T3G.1-57, Column 3	Replaced “11.0” with “344.2”.
46.	F3G.1-1 through F3G.1-3	Replaced w/ revised figures.
47.	F3G.1-5 through F3G.1-7	Replaced w/ revised figures.
48.	F3G.1-33 through F3G.1-35	Replaced w/ revised figures.
49.	F3G.1-39	Additional descriptions are provided for clarification.
50.	F3G.1-47	Replaced with revised figure.
51.	F3G.1-57	Replaced with revised figure.
52.	T3G.2-23, Column 3	Replaced “25.0” with “415.6”.
53.	T3G.2-24	Editorial Change.
54.	F3G.2-1	Replaced with revised drawing.
55.	T3G.3-6	Contents are revised because of re-analyses for thermal loads due to the correction of the RCCV liner material properties.

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56.	T3G.3-10 through T3G.3-12	Thermal section forces and moments are revised because of re-analyses for thermal loads due to the correction of the RCCV liner material properties.
57.	T3G.3-14 through T3G.3-17	Contents are revised because of the changes of thermal section forces and moments.
58.	F3G.3-5	Replaced with revised drawing.

### Revision 0 to Revision 1 Change List – Appendix 3H

<b>Item</b>	<b>Location</b> (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	<b>Description of Change</b>
1.	S3H.2.1, 1 <sup>st</sup> para., 1 <sup>st</sup> sent.	Replaced “suppression chamber” with “wetwell”.
2.	S3H.2.2, 2 <sup>nd</sup> para., 1 <sup>st</sup> sent.	Deleted “all”.
3.	T3H-2, item (a-1), column 2	Replaced “5.2(0.75)Nom 9.0(1.3)Max 0Min” with “10.3(16.0)”.
4.	T3H-2, item (a-2), column 2	Replaced “5.2(0.75)Nom 9.0(1.3)Max 0Min” with “10.3(16.0)”.
5.	T3H-2, item (a-3)	Replaced “suppression chamber” with “wetwell”.
6.	T3H-3, row 4 “SLC System Valves”, column 3	Replaced “18(65)” with “21.1 (70)”.
7.	T3H-4, row 2	Column 3: Replaced “26” with “25.6” and “23” with “22.8”. Column 4: Replaced “35” with “25”.
8.	T3H-4, row 3, column 3	Replaced “26” with “25.6” and “23” with “22.8”.
9.	T3H-4, row 4	Column 1: Added “[Figure 3H-17]” at the end of description. Column 3: Replaced “26” with “25.6” and “23” with “22.8”.
10.	T3H-5, item (b-4),	Replaced “suppression chamber” with “wetwell”.
11.	T3H-7, row 2, column 1	Added “and SSLC” after “Main control room” and “and 3H-17” after “Figure 3H-15”.
12.	T3H-8, item (a-3)	Replaced “suppression chamber” with “wetwell”.
13.	T3H-10, column 1	Added “and SSLC” after “Main control room” and “and 3H-17” after “Figure 3H-15”.
14.	T3H-11, item (b-4)	Replaced “suppression chamber” with “wetwell”.
15.	T3H-13, column 1	Added “and SSLC” after “Main control room” and “and 3H-17” after “Figure 3H-15”.

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16.	F3H-1 through F3H-16	Replaced with revised figures.
17.	Added new figure	“Figure 3H-17 1E DCIS Room Arrangement”.

### Revision 0 to Revision 1 Change List – Appendix 3I

<b>Item</b>	<b>Location</b> (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	<b>Description of Change</b>
1.	S3I.1 item d, 2 <sup>nd</sup> para., 4 <sup>th</sup> sent.	Replaced “RRS’s” with “RSS”.
2.	S3I.1 item d, 4 <sup>th</sup> para., 1 <sup>st</sup> sent.	Replaced “post LOCA” with “post-LOCA” (2 places).
3.	S3I.1 item d, 4 <sup>th</sup> para., 2 <sup>nd</sup> sent.	Deleted “all”.
4.	S3I.2 item a, 2 <sup>nd</sup> para., 2 <sup>nd</sup> sent.	Replaced “shake” with “shaker”.
5.	S3I.5, 1 <sup>st</sup> sent.	Replaced “has” with “have”.
6.	S3I.7, item b	Deleted “all”.



### Revision 0 to Revision 1 Change List – Appendix 3J

<b>Item</b>	<b>Location</b> (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	<b>Description of Change</b>
1.	S3J.1, 1 <sup>st</sup> para., 1 <sup>st</sup> sent.	Replaced “Plans” with “Plan”.
2.	S3J.3.4, 2 <sup>nd</sup> para.	Replaced “pipe broken end and at pipe whip” with “the pipe broken end and at the pipe whip”.
3.	S3J.4.1, item 1, 2 <sup>nd</sup> para., 2 <sup>nd</sup> sent.	Deleted “all”.
4.	S3J.4.1, item 2, 3 <sup>rd</sup> sent.	Replaced “its” with “their”.
5.	S3J.4.2.1, 1 <sup>st</sup> para., 1 <sup>st</sup> sent.	Deleted “all” and Replaced “their” with “the”.
6.	S3J.4.3.2, 1 <sup>st</sup> para., 1 <sup>st</sup> sent.	Deleted “the” before and “,” after “ANSYS”.
7.	S3J.4.3.2, 1 <sup>st</sup> para., last sent.	Replaced “peak” with “peaks”.
8.	F3J-1 and 3J-2	Replaced with revised figures.

### Revision 0 to Revision 1 Change List – Appendix 3K-3KA\*

<b>Item</b>	<b>Location</b> (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	<b>Description of Change</b>
1.	S3K.1, Last sentence	Added “(URS)” after ultimate rupture strength.
2.	S3K.2, 2nd para	Changed the word of “ESBWR” to “ABWR”.
3.	S3K.3, 2 <sup>nd</sup> bullet	Deleted the list of tanks and the last paragraph after the tank list.
4.	S3K.3, last para	Deleted the paragraph including the list of low pressure sinks (1) through (8).
5.	S3K.4, 1 <sup>st</sup> para., 1 <sup>st</sup> sent.	Deleted “all of” after “...piping boundary on”.
6.	S3K.4, first para	Deleted the sentences after the words ‘low pressure sink’ in the 6th line, including the list of upgraded typical systems. Also deleted is the last paragraph.
7.	S3K.5, 1 <sup>st</sup> para.	Deleted the words “ten” and “or indirectly”. Deleted systems listed as Bullets 6, 7, 8 and 10 that have indirect interface with RCPB. Added “Section” in front of the section numbers in bullets 1 through 5.
8.	S3K.7, Item 1, 2 <sup>nd</sup> sent.	Replaced “Tier 2” with “DCD” and Deleted “all”.
9.	S3K.7, Item 1, 3 <sup>rd</sup> sent.	Deleted “all”.
10.	S3K.7, Item 1	Deleted the second paragraph.
11.	S3K.7, Item 2	Deleted the portions from “However,” to the end of the paragraph.
12.	S3K.8	Deleted the second sentence.
13.	S3K.9, 1 <sup>st</sup> para.	Deleted 1 <sup>st</sup> sentence.
14.	S3K.9, 2 <sup>nd</sup> para.	Deleted the 2 <sup>nd</sup> paragraph entirely.
15.	S3K.10	Deleted the entire subsection.
16.	S3K.11	Changed the subsection number to 3K.10 (see above change). Replaced “...and therefore, impose...” with “...therefore, imposes” and deleted “all” in 3 <sup>rd</sup> sentence.
17.	S3K.12	Changed the subsection number to 3K.11. Also changed ESBWR to ABWR in two references: 3K-5 and 3K-6.

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18.	Table 3K-1	Deleted entire table.
19.	S3KA, Title	Editorial change.
20.	S3KA.1.1, 1 <sup>st</sup> para., 2 <sup>nd</sup> & 3 <sup>rd</sup> sent.	Replaced from “1.27 cm” to “12.7 mm”.
21.	S3KA.1.1, 1 <sup>st</sup> para., 7 <sup>th</sup> sent.	Replaced “unless” with “except”.
22.	S3KA.1.1, 1 <sup>st</sup> para, 9 <sup>th</sup> sent.	Changed “ultimate rupture strength (URS)” to “URS”.
23.	S3KA.1.1, 1st para., 10 <sup>th</sup> sent.	Inserted “(CS&TS)” after “Transfer System”.
24.	S3KA.1.1, 2 <sup>nd</sup> para., 4 <sup>th</sup> sent.	Editorial change.
25.	S3KA.1.2, 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> bullets	Changed full system names to use acronyms only.
26.	S3KA.1.2, 3 <sup>rd</sup> bullet	Reworded to discuss how CS&TS interface with CRD system. Deleted 2 <sup>nd</sup> sentence of “CS&TS is discussed in Section 3KA.11, where it is explained how the CS&TS design provides an open path to the CST.”
27.	S3KA.1.2, 4 <sup>th</sup> bullet, 1 <sup>st</sup> sent.	Added “a source of water for the CRD” after “provide”.
28.	S3KA.1.3,	Deleted “CONTROL ROD DRIVE SYSTEM (CRD), DCD Figure 4.6-8”. Added “(see Figure 4.6-8)” after “Pipeline / Component Description”.
29.	S3KA.2.1, 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> sent.	Editorial change.
30.	S3KA.3.1, 1 <sup>st</sup> sent.	Deleted “almost totally” and Inserted “with the following exception” at the end of sentence.
31.	S3KA.3.2, 1 <sup>st</sup> bullet	Replaced “provide” with “provides”.
32.	S3KA.3.2, 1 <sup>st</sup> and 3 <sup>rd</sup> bullets	Changed full system name to use acronym only.
33.	S3KA.3.3	Replaced “are” with “is”.
34.	S3KA.4.1, Title	Changed “Intersystem Interface” to “System URS Boundary”, to be consistent with other system section title.
35.	S3KA.4.1, 1 <sup>st</sup> para	Changed full descriptive name to use acronym only.
36.	S3KA.4.1, 3 <sup>rd</sup> sent.	Deleted “the” after “During”.

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37.	S3KA.4.1, last sentence	Replaced last sentence with “In the FAPCS case, it would require multiple failures before a LOCA could occur, i.e., a break in the FAPCS piping plus failures of the Feedwater line check valves, which maintain the reactor coolant pressure boundary.”
38.	S3KA.4.2, 2 <sup>nd</sup> bullet	Replaced “close” with “closed”.
39.	S3KA.4.2, 3 <sup>rd</sup> bullet	Changed full system name to use acronym only. Changed “are provided to ensure” to “ensure”. Changed “are” to “remain”.
40.	S3KA.4.3	Replaced “protect” with “protects”.
41.	S3KA.5.1	Replaced “is designed for reactor pressure and does not require upgrade” with “are designed for reactor pressure, and thus, do not require upgrading”.
42.	S3KA.5.2, 1 <sup>st</sup> bullet	Changed full system name to use acronym only.
43.	S3KA.6	Deleted entire section.
44.	S3KA.7	Deleted entire section.
45.	S3KA.8	Deleted entire section.
46.	S3KA.9	Changed section number to S3KA.6.
47.	S3KA.9.1	Changed subsection number to S3KA.6.1. Changed CFS to C&FS at two locations in 1 <sup>st</sup> para. and 4 <sup>th</sup> para. Deleted “All of” from 1 <sup>st</sup> para., 2 <sup>nd</sup> sent. and 4 <sup>th</sup> para., 1 <sup>st</sup> sent.
48.	S3KA.9.2	Changed subsection number to S3KA.6.2.
49.	S3KA.9.3	Changed subsection number to S3KA.6.3.
50.	S3KA.10	Deleted entire section.

### Revision 0 to Revision 1 Change List – Appendix 3L

<b>Item</b>	<b>Location</b> (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	<b>Description of Change</b>
1.	Appendix 3L	Appendix 3L is a new Appendix.