

DCD Tier 2 Chapter 3 Revision 4 to Revision 5 Change List
(Appendices 3G – 3L)

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
1.	Global	Made editorial changes in numerous locations to remove excessive spacing, correct punctuation, delete repeated words, correct misspelling, and correct grammar.
2.	Global	Made changes related to standardization of acronym list.

Tier 2 Appendix 3G Revision 4 to Revision 5 Change List

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
1.	Tables Throughout	The data in Tables 3G.1-13 through 3G.1-34, 3G.1-45 through 3G.1-49, 3G.1-51 through 3G.1-56, 3G.2-7 through 3G.2-25, 3G.3-5 through 3G.3-17 and 3G.4-7 through 3G.4-21 has been replaced with the results of the latest NASTRAN analysis for the RB/FB (including RCCV), CB and FWSC. The new analysis considers changes in building configuration for consistency with the updated general arrangement figures in Chapter 1, changes of the pool swell loads for consistency with NEDO-33261 Revision 1 (RB/FB only), correction of thermal ratios in response to RAI 3.8-107 S02 (RB/FB only), application of SRSS method for combination of earthquake spatial components in response to RAI 3.8-107 S02, application of the SRSS method to combine peak responses of dynamic loads for consistency with Tables 3.8-4 and 3.8-7 (RB/FB only), revision of SRV load factors for consistency with Table 3.8-2 (RB/FB only), modification of the thermal load of the spent fuel pool in response to RAI 3.8-113 (RB/FB only), and modification of the FWSC finite element model including shear keys in response to RAI 3.8-123 (FWSC only). Since the effect of these changes varies for individual cells, the entire table was replaced with the updated information.
2.	S3G, last sent.	Added “and reflect detailed design configuration” in response to RAIs 3.8-41 S05 & 6.2-180. (Note that a response to RAI 3.8-41 S05 has not been previously submitted.)
3.	S3G, new last sent.	Added additional information in response to RAIs 3.8-41 S05 & 6.2-180. (Note that a response to RAI 3.8-41 S05 has not been previously submitted.)
4.	S3G.1, 2 nd sent.	Rewritten for clarity and due to the removal of chimney partitions for refueling.
5.	S3G.1.3.1.1, 1 st para., 2 nd bullet	Replaced “Passive Containment Cooling System (PCCS) and Isolation Condenser (IC) heat exchanger pools...” with “IC/PCCS pools (including expansion pools)...” and “...reactor cavity...” with “...reactor well...” for consistency.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
6.	S3G.1.3.1.1, 1 st para., 2 nd bullet	Replaced “separator/dryer storage pool” with “equipment storage pool” due to the removal of chimney partitions for refueling.
7.	S3G.1.4.1, new 7 th para.	Added descriptions of a local FE analysis model of the containment around an opening in response to RAI 3.8-17 S02.
8.	S3G.1.5.2.1.6	Editorial changes: replaced “The two cases” with “Two cases”.
9.	S3G.1.5.2.1.10	Added “A conservative pressurization analysis shows that the peak pressure is approximately one-third of this design pressure.” after the 1 st sentence in response to RAI 6.2-154 S01.
10.	S3G.1.5.2.1.11, 2 nd sent.	Replaced “34.5 kPag (5.0 psig)” with “36 kPag (5.22 psig)” due to design change.
11.	S3G.1.5.2.1.13, 2 nd para., 2 nd sent.	Replaced “100/40/40” with “SRSS” in response to RAI 3.8-107 S02.
12.	S3G.1.5.2.2.4, 1 st sent.	Revised the sentence in response to RAI 3.8-4 S03.
13.	S3G.1.5.2.3.3	Added “ASTM A-36 is used for the steel plates of the composite floor slabs” in response to RAI 3.8-120.
14.	S3G.1.5.4, last para., 2 nd sent.	Added “and Figures 3G.1-67 through 3G.1-70” in response to RAI 3.8-17 S02.
15.	S3G.1.5.4, last para., new last sent.	Added “Figures 3G.1-71a and 3g.1-71b show the details of the PCCS condenser and supports” in response to RAI 3.8-117.
16.	S3G.1.5.4.1, new last para.	Added “Table 3G.1-60 shows the stress summary of PCCS condenser and support” in response to RAI 3.8-117.
17.	S3G.1.5.4.1.1, 1 st thru 3 rd para.	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads; and revision of SRV load factors for consistency with Table 3.8-2.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
18.	S3G.1.5.4.1.1, 4 th para., 2 nd sent.	Replaced “0.0045” with “0.0041” as a result of reanalysis incorporating updated design conditions which include changes in RB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); changes in pool swell loads; and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
19.	S3G.1.5.4.1.2, 1 st & 2 nd para.	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads; and revision of SRV load factors for consistency with Table 3.8-2.
20.	S3G.1.5.4.1.2, last para.	Replaced “0.0029” with “0.0026” as a result of reanalysis incorporating updated design conditions which include changes in RB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); changes in pool swell loads; and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
21.	S3G.1.5.4.1.3, 1 st para., 3 rd thru last sent.	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads; and revision of SRV load factors for consistency with Table 3.8-2.
22.	S3G.1.5.4.1.4, Simplified Elastic-Plastic Analysis, Item (1)	Replaced “393 MPa (57.0 ksi)” with “392 MPa (56.9 ksi)” due to the application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
23.	S3G.1.5.4.1.5, new	Added details on PCCS Condenser in response to RAI 3.8-117.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
24.	S3G.1.5.4.2, last para.	Revised the description of load combination method due to the application of SRSS method for combination of dynamic loads to be consistent with Table 3.8-7, Note 7 which was updated by RAI 3.8-9 S03.
25.	S3G.1.5.4.3.1	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads; and revision of SRV load factors for consistency with Table 3.8-2.
26.	S3G.1.5.4.3.2, 2 nd thru last sent.	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads; and revision of SRV load factors for consistency with Table 3.8-2.
27.	S3G.1.5.4.3.3, 2 nd para.	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads; and revision of SRV load factors for consistency with Table 3.8-2.
28.	S3G.1.5.4.3.4	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads; and revision of SRV load factors for consistency with Table 3.8-2.

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29.	S3G.1.5.4.3.5, 2 nd para.	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads; and revision of SRV load factors for consistency with Table 3.8-2.
30.	S3G.1.5.5.3, new para.	Added “The actual construction sequence, if substantially different from the sequences considered in the design, is ensured not to adversely impact the basemat design.” in response to RAI 3.8-93 S02.
31.	T3G.1-2	Added footnote “*** Steady state; 47.2°C (117°F) allowed for short term” to be consistent with Table 2.0-1.
32.	T3G.1-2, Tornado	Replaced “Spectra” with “Spectrum” and added “height” after “full building” to be consistent with Table 2.0-1.
33.	T3G.1-2, Note **, 4 th sent.	Added “an average depth of” in response to RAI 2.3-4 S03.
34.	T3G.1-3, Wetwell	Changed Quenchers from 12 to 10 units due to design change.
35.	T3G.1-4, 1 st row	Replaced “Reactor Cavity Pool” with “Reactor Well” to be consistent with Figure 1.2-8.
36.	T3G.1-4, 5 th row	Replaced “Dryer/Separator Pool” with “Equipment Storage Pool” due to the removal of chimney partitions for refueling.
37.	T3G.1-4, 21 st row	Added “Inclined” to be consistent with Figure 1.2-8.
38.	T3G.1-4, 29 th row	Replaced “Dryer/Separator Storage Pool” with “Equipment Storage Pool” due to the removal of chimney partitions for refueling.
39.	T3G.1-4, 30 th row	Replaced “Reactor Well” with “Buffer Pool” to be consistent with Figure 1.2-8.
40.	T3G.1-4, last row	Replaced “Fuel Transfer Channel” with “Inclined Fuel Transfer Tube” to be consistent with Figure 1.2-8.
41.	T3G.1-7	Changed the P _o values from 5.2 kPag (0.75 psig) to 9.0 kPag (1.3 psig) to correct typographical errors.

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42.	T3G.1-7, LOCA (72 hours)	Editorial change: deleted decimal places.
43.	T3G.1-10	Revised SRV load factors for consistency with Table 3.8-2.
44.	T3G.1-10, Note, new	Added new Note *3 in regards to the combination of dynamic loads by SRSS to be consistent with Tables 3.8-4 and 3.8-7.
45.	T3G.1-11	Revised table to envelope the ASME and ACI 349 load combinations in response to RAI 3.8-4 S03 and revised SRV load factors for consistency with Table 3.8-2.
46.	T3G.1-11, Note *1	Added additional information and replaced “ACI 349” with “ACI 349-01” in response to RAI 3.8-4 S03.
47.	T3G.1-11, Note, new	Added new Note *4 in regards to the combination of dynamic loads by SRSS to be consistent with Tables 3.8-4 and 3.8-7.
48.	T3G.1-13 thru 3G.1-21	Replaced tables incorporating results of NASTRAN reanalysis performed for the updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads. See Item 1 for additional descriptions.
49.	T3G.1-22 thru 3G.1-26	Replaced tables incorporating results of NASTRAN reanalysis performed for the updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads. See Item 1 for additional descriptions.
50.	T3G.1-27 thru 3G.1-34	Replaced tables incorporating results of section design calculations performed for the updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads. See Item 1 for additional descriptions.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
51.	T3G.1-35	Revised table as a result of reanalysis incorporating updated design conditions which include changes in RB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); changes in pool swell loads; and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
52.	T3G.1-36, PL and PL+Pb	Revised table due to the application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
53.	T3G.1-37	Revised table as a result of reanalysis incorporating updated design conditions which include changes in RB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
54.	T3G.1-38	Revised table as a result of reanalysis incorporating updated design conditions which include changes in RB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); changes in pool swell loads; and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
55.	T3G.1-39	Revised table as a result of reanalysis incorporating updated design conditions which include changes in RB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial component (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
56.	T3G.1-40	Revised table as a result of reanalysis incorporating updated design conditions which include changes in RB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.

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57.	T3G.1-41	Revised table as a result of reanalysis incorporating updated design conditions which include changes in RB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
58.	T3G.1-42	Revised table as a result of reanalysis incorporating updated design conditions which include changes in RB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); changes in pool swell loads; and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
59.	T3G.1-43	Revised table as a result of reanalysis incorporating updated design conditions, which include changes in spent fuel pool temperatures (RAI 3.8-113); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
60.	T3G.1-43, Note 1	Deleted Note 1 due to the decrease of stresses in GDCS pool beam and column. The exclusion of thermal stresses due to LOCA is not necessary for these members.
61.	T3G.1-44	Revised table as a result of reanalysis incorporating updated design conditions, which include changes in spent fuel pool temperatures (RAI 3.8-113) and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of seismic and hydrodynamic loads.
62.	T3G.1-45 thru 3G.1-49	Replaced tables incorporating results of NASTRAN reanalysis performed for the updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads. See Item 1 for additional descriptions.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
63.	T3G.1-50	Revised table incorporating results of section design calculations performed for the updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads.
64.	T3G.1-51 thru 3G.1-56	Replaced tables incorporating results of section design calculations performed for the updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads. See Item 1 for additional descriptions.
65.	T3G.1-60, new	Added the PCCS Condenser and Supports Stress Summary in response to RAI 3.8-117.
66.	F3G.1-1 thru F3G.1-7	Revised figures incorporating changes to Chapter 1 Nuclear Island General Arrangement figures.
67.	F3G.1-8	Revised finite element model incorporating changes to Chapter 1 Nuclear Island General Arrangement figures.
68.	F3G.1-14	Revised figure incorporating changes to Chapter 1 Nuclear Island General Arrangement figures.
69.	F3G.1-16	Revised figure incorporating changes to Chapter 1 Nuclear Island General Arrangement figures.
70.	F3G.1-17 & 3G.1-18	Editorial change: Deleted the axis coordinates indicated redundantly.
71.	F3G.1-20	Replaced “PCCS Pool” with “IC/PCCS Pool” for consistency.
72.	F3G.1-30 thru 3G.1-38	Revised figures incorporating results of NASTRAN reanalysis performed for the updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads.
73.	F3G.1-39, 7 th row	Editorial change: corrected font and style of the letters.

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74.	F3G.1-40 thru 3G.1-47	Revised figures incorporating results of section design calculations performed for the updated design conditions which include changes in RB configuration; changes in pool swell loads; correction of thermal ratios (RAI 3.8-107 S02); and application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads.
75.	F3G.1-48	Replaced SA-516 material in RCCV liner with A-709 HPS 70W material at liner attachment locations due to design change. This figure was replaced in its entirety.
76.	F3G.1-51	Replaced the bolting material “SA-540 Gr. B24 Class 3” with “SA-437 Gr. B4B” and updated its initial bolt stress in response to RAI 3.8-118. Identified Tier 2* information in response to RAI 19.2-41 S02. This figure was replaced in its entirety.
77.	F3G.1-52	Replaced the bolting material “SA-540 Gr. B24 Class 3” with “SA-437 Gr. B4B” and updated its initial bolt stress in response to RAI 3.8-118. Identified Tier 2* information in response to RAI 19.2-41 S02. This figure was replaced in its entirety.
78.	F3G.1-53	Replaced the bolting material “SA-540 Gr. B24 Class 3” with “SA-437 Gr. B4B” and updated its initial bolt stress in response to RAI 3.9-118. Identified Tier 2* information in response to RAI 19.2-41 S02. This figure was replaced in its entirety.
79.	F3G.1-66, new	Added figure of a local FE model of the containment around the Upper Drywell personnel airlock opening in response to RAI 3.8-17 S02.
80.	F3G.1-67 thru F3G.1-70, new	Added the structural reinforcement details of the containment around the Upper Drywell personnel airlock opening in response to RAI 3.8-17 S02.
81.	F3G.1-71a, 3G.1-71b & 3G.1-72, new	Added new figures in response to RAI 3.8-117.
82.	S3G.2.5.2.1.7, 2 nd para., 2 nd sent.	Replaced “100/40/40” with “SRSS” in response to RAI 3.8-107 S02.
83.	S3G.2.5.2.2, 3 rd sent.	Correction: replaced “LOCA” with “DBA”.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
84.	S3G.2.5.4, last para., 1 st sent.	Rewritten in response to RAI 3.8-4 S03.
85.	S3G.2.5.4.1	Revised the maximum stresses and shear forces incorporating results of section design calculations performed for the updated design conditions which include changes in CB configuration and application of the SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02).
86.	S3G.2.5.4.2	Revised the maximum stresses and shear forces incorporating results of section design calculations performed for the updated design conditions which include changes in CB configuration and application of the SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02).
87.	S3G.2.5.4.3	Revised the maximum stresses and shear forces incorporating results of section design calculations performed for the updated design conditions which include changes in CB configuration and application of the SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02).
88.	T3G.2-2, HVAC Units	Revised the weight of HVAC Units due to design change.
89.	T3G.2-6, Note *1	Added additional information and replaced “ACI 349” with “ACI 349-01” in response to RAI 3.8-4 S03.
90.	T3G.2-7 thru 3G.2-11	Replaced tables incorporating results of NASTRAN reanalysis performed for the updated design conditions which include changes in CB configuration and application of the SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02). See Item 1 for additional descriptions.
91.	T3G.2-12 thru 3G.2-15	Replaced tables incorporating results of NASTRAN reanalysis performed for the updated design conditions, which include changes in CB configuration and application of the SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02). See Item 1 for additional descriptions.

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92.	T3G.2-16 thru T3G.2-25	Replaced tables incorporating results of section design calculations performed for the updated design conditions, which include changes in CB configuration and application of the SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02). See Item 1 for additional descriptions.
93.	T3G.2-26	Corrected the actual value for the factor of safety for sliding to suit the calculations consistent with RAI 3.8-96 S02.
94.	F3G.2-1 thru 3G.2-3	Revised figures incorporating results of section design calculations performed for the updated design conditions which include changes in CB configuration and application of the SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02).
95.	S3G.3.5.2.1.6	Deleted “(T _o)” from the title and revised the description in regards to the accident thermal loads in the spent fuel pool in response to RAI 3.8-113.
96.	S3G.3.5.2.2, 1 st sent.	Rewritten in response to RAI 3.8-4 S03.
97.	S3G.3.5.4.1 thru 3G.3.5.4.3	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include changes in FB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); application of SRSS method for combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads; and revision of SRV load factors for consistency with Table 3.8-2.
98.	T3G.3-1	Added “Inclined” in front of “Fuel Transfer Tube Pool” to be consistent with Figure 1.2-8.
99.	T3G.3-3	Revised table incorporating changes to the thermal loads in the spent fuel pool in response to RAI 3.8-113.
100.	T3G.3-4	Revised table to envelope the ASME and the ACI 349 load combinations in response to RAI 3.8-4 S03 and revised SRV load factors for consistency with Table 3.8-2 which was updated by RAI 3.8-115.
101.	T3G.3-4, Note *1	Added additional information and replaced “ACI 349” with “ACI 349-01” in response to RAI 3.8-4 S03.
102.	T3G.3-4, Note *3, new 2 nd sent.	Added additional information in response to RAI 3.8-113.

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103.	T3G.3-4, Note, new	Added new Note *4 in regards to the combination of dynamic loads by SRSS to be consistent with Tables 3.8-4 and 3.8-7.
104.	T3G.3-5 thru 3G.3-9	Replaced tables incorporating results of NASTRAN reanalysis performed for the updated design conditions which include changes in FB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); and application of SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads. See Item 1 for additional descriptions.
105.	T3G.3-10 thru 3G.3-17	Replaced tables incorporating results of NASTRAN reanalysis performed for the updated design conditions which include changes in FB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); and application of SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads. See Item 1 for additional descriptions.
106.	F3G.3-4 & 3G.3-5	Revised figures incorporating results of section design calculations performed for the updated design conditions which include changes in FB configuration; changes in spent fuel pool temperatures (RAI 3.8-113); and application of SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02) and for combination of dynamic loads.
107.	S3G.4.4.1, 1 st para., 3 rd sent.	Editorial change: replaced “to” with “through”.
108.	S3G.4.5.2.1.7, 2 nd para., 2 nd sent.	Replaced “100/40/40” with “SRSS” in response to RAI 3.8-107 S02.
109.	S3G.4.5.4, last para., 1 st sent.	Rewritten in response to RAI 3.8-4 S03.
110.	S3G.4.5.4.1	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include modification of the FE model (RAI 3.8-123) and application of SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02).

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
111.	S3G.4.5.4.2	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include modification of the FE model (RAI 3.8-123) and application of SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02).
112.	S3G.4.5.4.3	Revised the maximum stresses evaluated by reanalysis incorporating updated design conditions which include modification of the FE model (RAI 3.8-123) and application of SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02).
113.	S3G.4.5.4.4, new	Added details on Shear Key maximum stresses in response to RAI 3.8-123.
114.	T3G.4-4	Added Section S6 to show an equivalent linear temperature condition of shear key in response to RAI 3.8-123.
115.	T3G.4-6, Note *1	Added additional information and replaced “ACI 349” with “ACI 349-01” in response to RAI 3.8-4 S03.
116.	T3G.4-7 thru 3G.4-11	Replaced tables incorporating results of NASTRAN reanalysis performed for the updated design conditions, which include modification of the FE model (RAI 3.8-123) and application of SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02). See Item 1 for additional descriptions.
117.	T3G.4-12 thru 3G.4-15	Replaced tables incorporating results of NASTRAN reanalysis performed for the updated design conditions, which include modification of the FE model (RAI 3.8-123) and application of SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02). See Item 1 for additional descriptions.
118.	T3G.4-16 thru 3G.4-21	Replaced tables incorporating results of section design calculations performed for the updated design conditions, which include modification of the FE model (RAI 3.8-123) and application of SRSS method for the combination of earthquake spatial components (RAI 3.8-107 S02). See Item 1 for additional descriptions.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
119.	F3G.4-1	Added shear key rebar arrangement in response to RAI 3.8-123; removed the FPE wall shear ties because there is no shear tie on A-A section; and lowered the location of the basemat top layer rebar 150 mm for liner installation.
120.	F3G.4-2	Added shear key portion in the FE model figure in response to RAI 3.8-123.
121.	F3G.4-3b	Added shear key portion in the FE model figure in response to RAI 3.8-123.
122.	F3G.4-7	Modified figure to include the shear key in response to RAI 3.8-123.
123.	F3G.4-10, Foundation Mat & Roof	Corrected typo: replaced “toward North” with “toward East”.
124.	F3G.4-10	Added “Shear key” structure in response to RAI 3.8-123.

Tier 2 Appendix 3H Revision 4 to Revision 5 Change List

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
1.	S3H.1, 1 st para., 2 nd sent.	Deleted “and test” for clarity.
2.	S3H.3.1	Added additional information in response to RAIs 3.11-20, 3.11-26 & 3.11-27. (Note that a response to RAIs 3.11-26 & 3.11-27 has not been previously submitted.)
3.	S3H.3.1, new last sent.	Added the normal operating thermodynamic conditions for the fuel building for equipment qualification.
4.	S3H.3.2, 2 nd sent.	Revised sentence in response to RAI 3.11-18.
5.	S3H.3.2, 5 th sent.	Revised sentence to read “Tables 3H-6 and 3H-7 list typical radiation environmental qualification conditions inside the Reactor Building and the Control Building. Table 3H-11 specifies the radiation environment conditions inside the containment vessel.” in response to RAIs 3.11-20 & 3.11-27. (Note that a response to RAI 3.11-27 has not been previously submitted.)
6.	S3H.3.2, new 7 th & 8 th sent.	Added the accident operating conditions for the fuel building for equipment qualification.
7.	S3H.3.2.1, new	Added information in regards to Transient Room Temperature Analysis in response to RAI 3.11-18.
8.	S3H.3.3, last para., last sent.	Added a cross reference to Chapter 15 for additional pool pH level information.
9.	S3H.3.4, 2 nd sent.	Replaced “SBO” with “LOOP” for consistency.
10.	S3H.3.4, last sent.	Replaced “that fall within” with “do not cause temperatures to exceed” for clarity.
11.	T3H-1	Added cross reference for Tables 3H-14 & 3H-15 which were added per RAI 3.11-18.
12.	T3H-2	Corrected “kPa” to “kPag”.
13.	T3H-4	Temperatures were updated to be consistent with Table 9.4-1 and information for the electrical chases has been added because information for them are also presented in Tables 3H-12 and 3H-15.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
14.	T3H-4, CRHA	Deleted the room numbers to avoid confusion with the previous revision of Figure 3H-1.
15.	T3H-5, (b-4)	Replaced “1.7 E+2” with “7.4 E+5” in response to RAI 3.11-26. (Note that a response to this RAI has not been previously submitted.)
16.	T3H-5, Note (1)	Note was revised for clarity and added radiation source distance.
17.	T3H-5, Note (2)	Rewritten in response to RAI 3.11-26. (Note that a response to this RAI has not been previously submitted.)
18.	T3H-6, Title	Added “Typical” in response to RAI 3.11-26 and replaced “Environment” with “Environmental Qualification” and deleted “for Normal Operating Conditions” in response to RAI 3.11-20. (Note that a response to RAI 3.11-26 has not been previously submitted.)
19.	T3H-6 & T3H-7	Editorial: Replaced “Rads” with “rads”.
20.	T3H-7, Title	Added “Typical” in response to RAI 3.11-26 and replaced “Environment” with “Environmental Qualification” and deleted “for Normal Operating Conditions” in response to RAI 3.11-20. (Note that a response to RAI 3.11-26 has not been previously submitted.)
21.	T3H-7, CRHA	Deleted the room numbers to avoid confusion with the previous revision of Figure 3H-1.
22.	T3H-8	Added “Bulk” before “Temp.” in response to RAI 6.2-180.
23.	T3H-9, Electrical Division Rooms	Replaced “63 (145) ⁽⁴⁾ ” with “50 (122) Max” and “<63 (145)” with “40 (104)” due to the finalized heat up calculation results from RAI 3.11-18.
24.	T3H-9, Notes	Deleted note (4) because it is no longer needed.
25.	T3H-10	Added information for the electrical chases to be consistent with Table 3H-12 and 3H-15.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
26.	T3H-10, CRHA	Deleted the room numbers to avoid confusion with the previous revision of Figure 3H-1.
27.	T3H-11, 2 nd column	Replaced “Operating Dose Rate” with “Maximum Post-Accident Dost Rate” in response to RAI 3.11-27. (Note that a response to this RAI has not been previously submitted.)
28.	T3H-11, Note (1)	Added additional information in response to RAI 3.11-27. (Note that a response to this RAI has not been previously submitted.)
29.	T3.H-12	Added dual units and deleted room 3276 to be consistent with finalized design.
30.	T3H-12, 8 th row, 0-2 hr	Replaced “18200” with “10140” in response to RAI 3.11-18.
31.	T3H-12, 8 th row, 2-24 hr and 24-72hr	Replaced “18200” with “8140” under 2-24hr and 24-72hr to reflect the latest equipment located in these rooms.
32.	T3H-12, 25 th row	Replaced the room numbers with “Figure 3H-1”.
33.	T3H-12, 25 th row (CRHA)	Replaced “7375” with “7630” in response to RAI 3.11-18.
34.	T3H-14, new	Added summary of input parameters used in RB and CB Heat up analyses in response to RAI 3.11-18.
35.	T3H-15, new	Added summary of analytical room environmental temperatures in response to RAI 3.11-18.
36.	F3H-1	Revised figure to be consistent with the revised general arrangement drawings.
37.	F3H-2, new	Added new figure to show the temperature in CRHA in response to RAI 3.11-18.

Tier 2 Appendix 3I Revision 4 to Revision 5 Change List

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
1.	None.	

Tier 2 Appendix 3J Revision 4 to Revision 5 Change List

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
1.	S3J.3.1, 1 st para., last sent.	Added “temperature” after ...fluid” for clarity.
2.	S3J.3.1, 2 nd para., 2 nd sent.	Revised sentence in response to RAI 3.6-7 S02.

Tier 2 Appendix 3K Revision 4 to Revision 5 Change List

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
1.	S3KA.4.1	Added additional information due to the design change which added intersystem cross-connections between the FAPCS and the RWCU/SDC system in response to RAI 6.2-140 S01.
2.	S3KA.4.2	Added additional information due to the design change which added intersystem cross-connections between the FAPCS and the RWCU/SDC system in response to RAI 6.2-140 S01.
3.	S3KA.5.2	Editorial change to combined the 1 st two bullets because the statements were incorrectly separated.
4.	S3KA.6.1, 2 nd para., 4 th sent.	Deleted “heat” to correct the terminology.
5.	S3KA.6.1, 3 rd para., last sent.	Deleted “heat” to correct the terminology.
6.	S3KA.6.1, 4 th para., 5 th sent.	Deleted “heat” to correct the terminology.

Tier 2 Appendix 3L Revision 4 to Revision 5 Change List

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
1.	Generic	Added “steam” in front of “dryer” or “dryers” where necessary.
2.	S3L.1, 1 st sent.	Added “analysis and” for clarification. Replaced “prototype” with “initial” in response to RAI 3.9-75S01
3.	S3L.1, 2 new sent.	Added additional information in response to RAI 3.9-75 S01.
4.	S3L.1, 2 nd sent.	Deleted “or fretting and wear issues” because it’s not covered in Appendix 3L.
5.	S3L.2, 1 st sent.	Replaced “operation” with “function” for clarification.
6.	S3L.2, 4 th sent.	Correction: replaced “it” with “ESBWR” and “motors” with “pumps”.
7.	S3L.2, 5 th sent.	Deleted sentence for clarity.
8.	S3L.2, 6 th sent.	Revised sentence to read “The recirculation pump’s excitation has caused failures in components inside previous BWR reactor vessels.” for clarification.
9.	S3L.2.1, 2 nd para., 1 st thru 3 rd bullet	Editorial change: added “e.g.,”.
10.	S3L.2.1, 2 nd para., 4 th bullet	Editorial change: added “e.g. steam” and moved design information to new Subsection 3L.2.3.
11.	S3L.2.1, 2 nd para., 5 th bullet	Deleted “Partition” and “difficulty of repair in event of failure” and added “and performance” for clarification. Editorial change: added “i.e.,”.
12.	S3L.2.1, 2 nd para., 6 th bullet	Added “i.e., shallow dished head or” and “and thinner stack materials” due to detail design change.
13.	S3L.2.1, 2 nd para., 7 th bullet	Revised information due to detail design change and for clarification.
14.	S3L.2.1, 2 nd para., last bullet	Added “routed through the shroud” for clarification.
15.	S3L.2.1, 3 rd para., 1 st sent.	Rewritten for clarity.
16.	S3L.2.1, 4 th para., 2 nd sent.	Replaced “them well beyond the predominated” with “the natural frequencies beyond the predominant” for clarification.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
17.	S3L.2.1, 5 th para., 1 st sent.	Deleted “past” for clarification.
18.	S3L.2.1, 5 th para.	Added new 3 rd & 4 th sentences (sentences were moved from the last paragraph of Subsection 3L.2.2).
19.	S3L.2.1, 7 th para., 1 st sent.	Deleted 1 st sentence for clarification.
20.	S3L.2.1, 7 th para., 2 nd sent.	Replaced “This selection was made since it” with “The chimney assembly” for clarification.
21.	S3L.2.1, 7 th para., 3 rd sent.	Replaced “it” with “the chimney assembly” for clarification.
22.	S3L.2.1, 8 th para., 1 st sent.	Deleted 1 st sentence for clarification.
23.	S3L.2.1, 8 th para., 2 nd sent.	Replaced “An initial analysis program was started” with “A steam dryer assessment was performed” for clarity.
24.	S3L.2.1, 8 th para., 3 rd sent.	Replaced “It was” with “The initial assessment” for clarity.
25.	S3L.2.1, 8 th para., 4 th sent.	Added “However” for clarity.
26.	S3L.2.1, 8 th para., 5 th sent.	Replaced “generic” with “replacement” for clarification.
27.	S3L.2.1, 8 th para., 7 th sent.	Revised sentence for clarity.
28.	S3L.2.1, new last para.	Added additional information for clarification.
29.	S3L.2.2	Changed tense to present throughout the subsection where necessary.
30.	S3L.2.2, 1 st para., 1 st sent.	Rewritten for clarity.
31.	S3L.2.2, Item 2, 2 nd sent.	Replaced “Estimates” with “Calculation” for clarification.
32.	S3L.2.2, Item 5, 1 st sent.	Deleted “a revision to” because Reference 3L-1 has already been revised.
33.	S3L.2.2, Item 5, 3 rd sent.	Replaced “safety will not be” with “plant safety-related functions are” for clarification.
34.	S3L.2.2, Item 5, 5 th sent.	Inserted “conclusively” after “...not sufficient to” for clarity.
35.	S3L.2.2, Item 5, last sent.	Revised sentence for clarification.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
36.	S3L.2.2, 1 st para., new last sent	Added “The results of these evaluations are documented in Reference 3L-1.” (Description was moved from the 2 nd paragraph.)
37.	S3L.2.2, 2 nd para., 1 st sent.	Revised sentence for clarification.
38.	S3L.2.2, 2 nd para., 3 rd sent.	Added “SLC internal piping” for clarification.
39.	S3L.2.2, 2 nd para., last sent.	Moved sentence after Item 5 of Subsection 3L.2.2.
40.	S3L.2.2, last para.	Deleted entire paragraph and moved to Subsection 3L.2.1, 5 th paragraph.
41.	New S3L.2.3	Added to provide consistent FIV design and material direction for reactor internals.
42.	S3L.3, Title	Changed from “Chimney Partition Assembly” to “Chimney Assembly and SLC Internal Piping”
43.	S3L.3.1, 1 st thru 4 th sent.	Revised sentences to more accurately describe the chimney design.
44.	S3L.3.1, 5 th sent.	Deleted sentence because the carbon content of internals is contained in Table 4.5-1.
45.	S3L.3.1, 6 th sent.	Replaced “structure” with “shell” for clarity.
46.	S3L.3.1, 7 th sent.	Deleted “and partition” for clarity.
47.	S3L.3.1, last sent.	Added “shell” for clarity.
48.	S3L.3.2, 5 th sent.	Replaced “0.125” with “0.12”; added “(0.35 in); and replaced “welds for ESBWR” with “groove welds in joints that are positioned away from the partition intersections for ESBWR” for clarification.
49.	S3L.3.2, last sent.	Correction: replaced “robust” with “fatigue-resistant”.
50.	S3L.3.3, 1 st para., 1 st sent.	Deleted “lattice” for consistency.
51.	S3L.3.3, 1 st para.	Changed tense to present where necessary.
52.	S3L.3.3, 2 nd para., 1 st sent.	Revised sentence for clarification.
53.	S3L.3.3, 2 nd para., 2 nd sent.	Deleted “superficial” for clarification.
54.	S3L.3.3, 2 nd para., 3 rd sent.	Added “in the smaller scale models” for clarification.
55.	S3L.3.3, 2 nd para., new last sent.	Added additional information for clarification.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
56.	S3L.3.3, 3 rd para.	Rewritten for consistency and correction.
57.	S3L.3.3, last para., 2 nd sent.	Replaced “56” with “54” for consistency.
58.	S3L.3.3, last para., 4 th sent.	Replaced “41 MPa” with “32.8 MPa (4760 psi), with a fatigue strength reduction factor of 2” for consistency.
59.	S3L.3.3, last para., last sent.	Replaced “68.9 MPa” with “68.95 MPa (10,000 psi)” for consistency.
60.	S3L.3.4, new	Added additional information in regards to SLC internal piping evaluation.
61.	S3L.4.1, 1 st para.	Rewritten to provide more accurate design description.
62.	S3L.4.1, 2 nd para., 1 st sent.	Replaced “horizontally through the dryer vanes and the outlet side perforated plates, vertically” with “then horizontally through the inner perforated plate, the dryer vanes and the outlet perforated plates, then vertically” for clarification.
63.	S3L.4.1, new 3 rd para.	Revised previous 2 nd for consistency and added additional information needed for program description in a revised response to RAI 3.9-141.
64.	S3L.4.1, last para.	Moved paragraph to section 3.9, the information is not appropriate in the FIV section.
65.	S3L.4.2, 1 st sent.	Added “and replacement steam dryer” for consistency.
66.	S3L.4.2, 2 nd sent.	Added reference to Table 4.5-1.
67.	S3L.4.2, 3 rd thru 6 th sent.	Deleted sentences because reactor internals material and fabrication information is contained in Subsection 4.5.2.
68.	S3L.4.3, 2 nd sent.	Editorial change: deleted “dryer”.
69.	S3L.4.4, 1 st para., 3 rd sent.	Replaced “may also experience” with “also experiences” for clarity.
70.	S3L.4.4, 2 nd para., 1 st sent.	Added “acoustic” in front of “pressure loads” for clarity.
71.	S3L.4.4, 2 nd para., new 2 nd thru 4 th sent.	Added additional information needed for program description.
72.	S3L.4.4, 2 nd para.	Deleted the last two sentences and the bulleted items because the information is obsolete.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
73.	S3L.4.4, 3 rd para., 1 st sent.	Replaced “acoustic load definition process” with “pressure load definition methodology” to be consistent with Reference 3L-5.
74.	S3L.4.4, 3 rd para., 2 nd sent.	Replaced “acoustic” with “fluctuating” to be consistent with Reference 3L-5.
75.	S3L.4.4, 3 rd para., 6 th sent.	Deleted “plant” before “unique” and added “that may amplify the low frequency acoustic response” for clarity.
76.	S3L.4.4, 3 rd para., 7 th & 8 th sent.	Deleted sentences because the information is obsolete.
77.	S3L.4.4, 3 rd para., 9 th sent.	Change tense to present.
78.	S3L.4.4, 3 rd para., last sent.	Deleted “steam dome dimensions” for clarification and additional editorial changes: replaced “venture” with “venturi”.
79.	S3L.4.5, 1 st para., 2 nd sent.	Deleted “based on in plant measurements” for clarification.
80.	S3L.4.5, 1 st para., 3 rd sent.	Deleted “of the ESBWR steam dryer” and added “see Subsection 3L.5.5.1.3” for clarity.
81.	S3L.4.5, 1 st para., 4 th sent.	Deleted “time history” and replaced “Table 3.9-2” with “Subsection 3L.4.3” for clarification.
82.	S3L.4.5, 1 st para., 6 th sent.	Replaced “The analysis also” with “Additional analysis” and deleted “dryer” after “the predicted” for clarification.
83.	S3L.4.6, 1 st para., 2 nd sent.	Rewritten for consistency.
84.	S3L.4.6, 1 st para., 1 st bullet	Editorial change: eliminated redundant use of “dryer”. Added “steam dryer” in front of “analytical model” and deleted “of the dryer” for clarity.
85.	S3L.4.6, 1 st para., 2 nd bullet	Replaced “the pressure” with “FIV” and deleted “the pressure” and “on the dryer” for clarity.
86.	S3L.4.6, 1 st para., 3 rd bullet	Editorial changes: eliminated redundant use of “dryer” or “of the dryer” or “on the dryer”.
87.	S3L.4.6, 2 nd para., 3 rd sent.	Replaced “tie bars” with “divider plates” in revised response to RAI 3.9-137a.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
88.	S3L.4.6, 3 rd para., 3 rd sent.	Replaced “welding” with “weld geometries, configuration to tolerances” in revised response to RAI 3.9-137a.
89.	S3L.4.6, 4 th para., 1 st sent.	Revised sentence in revised response to RAI 3.9-137a.
90.	S3L.4.6, 4 th para., 2 nd sent.	Editorial change; removed redundant use of “dryer”.
91.	S3L.4.6, 4 th para., last sent.	Deleted sentence in revised response to RAIs 3.9-137a.
92.	S3L.4.6. 6 th para., new 5 th thru 9 th sent.	Added additional information in revised response to RAIs 3.9-62, 3.9-63 & -144A.
93.	S3L.4.6, new 7 th para.	Added additional information in revised response to RAI 3.9-62 & -144A.
94.	S3L.4.6, 11 th para., 1 st sent.	Added “main” before “steam lines” for clarity.
95.	S3L.4.6, 11 th para., 2 nd & 3 rd sent.	Revised and combined sentences to read “The main steam line pressure measurements with the steam dryer pressure measurements are used as input to an acoustic model for determining the pressures acting on the steam dryer in order to provide a pressure load definition for use in performing confirmatory structural evaluations.” In revised response to RAI 3.9-63.
96.	S3L.4.6, 11 th para., 4 th & last sent.	Deleted sentences due to a revised response to RAI 3.9-63.
97.	S3L.4.6, 12 th para., 2 nd sent.	Inserted “the vibrations” after “...are identified and” for clarity.
98.	S3L.4.6, last para, new 1 st sent.	Added additional information in response to RAI 3.9-61 S01.
99.	S3L.4.6, last para., 1 st sent.	Changed “Future steam dryer inspections will be in accordance with Reference 3L-2, and in accordance...” to “The steam dryer inspection recommendations are consistent with Reference 3L-2, and consistent...” in response to RAI 3.9-61 S01.
100.	S3L.5, new para.	Added additional information in response to RAI 3.9-144 S01 B(b).
101.	S3L.5.2, 1 st sent.	Added additional information for clarity.
102.	S3L.5.2, 2 nd sent.	Revised to delete obsolete information.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
103.	S3L.5.2, 4 th sent.	Added “or calculated stress distribution” for clarity.
104.	S3L.5.2, 5 th sent.	Deleted “and LVDTs”
105.	S3L.5.2, 6 th sent.	Added “or calculated stress distribution” for clarity.
106.	S3L.5.2, last sent.	Replaced “Typical sensor types and potential...” with “Sensor types and...” for clarity.
107.	S3L.5.3, 1 st para., new 2 nd thru 4 th sent.	Added additional information in response to RAI 3.9-144 S01 B(b).
108.	S3L.5.3, 2 nd para., 7 th sent.	Replaced “prototype” with “initial” in response to RAI 3.9-75 S01.
109.	S3L.5.4, 3 rd sent.	Replaced “both time history and” with “time history and/or” for clarity.
110.	S3L.5.4, new 5 th sent.	Added new sentence “Table 3L-5 describes the method of data reduction that is applicable to each component”.
111.	S3L.5.4, 5 th thru 10 th sent.	Deleted sentences. (moved to Subsection 3L.5.5.2).
112.	S3L.5.4, last 2 sent.	Deleted due to a revised response to RAI 3.9-134b.
113.	S3L.5.4.1, 1 st para., 2 nd sent.	Correction: replaced “The time capture” with “Time capture”.
114.	S3L.5.5.1.1, 1 st sent.	Replaced “an axisymmetric” with “a 3-dimensional” for clarity.
115.	S3L.5.5.1.2, 2 nd para.	Correction: deleted entire paragraph.
116.	S3L.5.5.1.2, 3 rd para., Item (1)	Correction: deleted 1 st listing of “guide tubes” for clarity.
117.	S3L.5.5.1.2, 3 rd para., Item (4)	Correction: revised to read “Top guide and core plate masses are lumped to the shroud.”
118.	S3L.5.5.1.2, 6 th para., 2 nd sent.	Correction: deleted sentence.
119.	S3L.5.5.1.2, last para., last sent.	Correction: deleted “one”

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
120.	S3L.5.5.1.3, 1 st para., 1 st sent.	Deleted “prototype” in response to RAI 3.9-75 S01. Replaced “somewhat different from the original steam dryers used in previous BWR designs” with “similar to ABWR” since details are described in Subsection 3L.4.1.
121.	S3L.5.5.1.3, 1 st para., 2 nd sent. & Items (1) thru (4)	Deleted 2 nd sentence & items (1) through (4) because details are already described in Subsection 3L.4.1.
122.	S3L.5.5.1.3, 2 nd para., 1 st sent.	Replaced “In addition” with “However” for clarity and deleted “prototype” in response to RAI 3.9-75 S01.
123.	S3L.5.5.1.3, 3 rd para., 1 st sent.	Replaced “prototype” with “initial” in response to RAI 3.9-75 S01.
124.	S3L.5.5.1.3, 3 rd para.	Editorial change: eliminated redundant use of “dryer”.
125.	S3L.5.5.1.3, 3 rd para., 1 st & 2 nd sent.	Changed present tense to past tense.
126.	S3L.5.5.1.3, 3 rd para., 1 st sent.	Correction: added “were located on the cover plate and several locations on the skirt” and deleted “support ring”
127.	S3L.5.5.1.3, 3 rd para., 1 st sent.	Correction: replaced “3L-7” with “3L-5”.
128.	S3L.5.5.1.3, 3 rd para., last sent.	Replaced “steam dryer skirt” with “lower part of the steam dryer structure” for consistency.
129.	S3L.5.5.1.3, 5 th para., 2 nd & 3 rd sent.	Revised and combined sentences to for clarity.
130.	S3L.5.5.1.3, last para.	Editorial change: deleted “very”.
131.	S3L.5.5.1.4, 1 st sent.	Deleted “in the ESBWR prototype plant reactor” in response to RAI 3.9-75S01.
132.	S3L.5.5.1.4, 2 nd sent.	Deleted “using the ANSYS computer code” for clarity.
133.	S3L.5.5.1.4, new last 2 sent.	Added additional information for clarification.
134.	S3L.5.5.2, new 1 st para.	Added a summary of the stress evaluation methods for clarity, moved from 3L.5.4.
135.	S3L.5.5.2, 2 nd para., 1 st sent.	Replaced “two” with “three” because Method III was reinstated.
136.	S3L.5.5.2, 2 nd para., 5 th sent.	Moved sentence to the 1 st new paragraph in Subsection 3L.5.5.2.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
137.	S3L.5.5.2, 2 nd para., 7 th thru 9 th sent.	Moved sentences to the end of new Subsection 3L.5.5.3 in revised response to RAIs 3.9-66 and 3.9-144B(a).
138.	S3L.5.5.2, new 4 th para.	Reinstated paragraph from Appendix 3L Revision 3.
139.	S3L.5.5.2, 4 th para., 4 th sent.	Deleted “and for LVDTs”.
140.	S3L.5.5.2, last para., 2 nd sent.	Deleted sentence for clarity.
141.	S3L.5.5.2, new last para.	Reinstated last sentence from Appendix 3L Revision 3.
142.	S3L.5.5.2.1, Step 7	Moved last paragraph to Step 8 for clarity.
143.	S3L.5.5.2.1, Step 8	Moved last paragraph to Step 9 for clarity.
144.	S3L.5.5.2.1, Step 9, last para.	Moved last sentence to Step 10 for clarity.
145.	S3L.5.5.2.2	Reinstated subsection from Appendix 3L Revision 3.
146.	New S3L.5.5.3	Added information in regards to “Stress Evaluation Steam Dryer” in response to RAI 3.9-66 and 3.9-144B(a).
147.	S3L.6, 3L-1	Updated to reflect latest released revision.
148.	S3L.6, 3L-5 & 3L-6	Replaced “October” with “November” in response to RAI 3.9-135 S01.
149.	S3L.6, 3L-7	Replaced information with “(Deleted)” in response to RAIs 3.9-58, 3.9-63, 3.9-135 and 3.9-144a revisions.
150.	S3L.6, new 3L-8	Added new reference to the Plant Based Load Evaluation Methodology report in response to RAI 3.9-58.
151.	T3L-1, Title	Added “Typical” in response to RAI 3.9-141.
152.	T3L-1	Revised table in response to RAI 3.9-141.
153.	T3L-4, Title	Deleted “Typical” for clarity.
154.	T3L-4	Made necessary correction all through out the table.
155.	T3L-5	Made necessary correction all through out the table.
156.	T3L-5, 3 rd column	Deleted redundant information.

Item	Location (e.g., subsection with paragraph/sentence/item, table with column/row, or figure)	Description of Change
157.	T3L-5, Note 2	Correction: replaced “Reference 3L-7” with “Subsection 3L.4.6” in revised response to RAI 3.9-133S01.
158.	T3L-5, Note 3	Note added for clarity.
159.	T3L-7, Steam Dryer	Correction: replaced “I & II” with “Subsection 3L.5.5.3”.
160.	T3L-7, Standby Liquid Control Line	Correction: replaced “I” with “III”.
161.	F3L-1, Title	Added “Typical” and deleted “and Partition” for clarity.
162.	F3L-2, Title	Correction: replaced “ESBWR” with “Typical”
163.	F3L-2	Replaced with corrected figure.