

## Chapter 12 Changes From Revision 3 to Revision 4

Item	Location	Description of Change
1.	S12.1.1.2	Reworded to point to operational policies in S12.1.3
2.	S12.1.1.3.1, 1 <sup>st</sup> para	Reworded COL applicant requirement and added pointer to COL applicant item, maintaining consistency with previous applicant wording.
3.	S12.1.1.3.2	Reworded COL applicant requirement and added pointer to COL applicant item, maintaining consistency with previous applicant wording.
4.	S12.1.1.3.3	Reworded COL applicant requirement and added pointer to COL applicant item, maintaining consistency with previous applicant wording.
5.	S12.1.2.2.1, Old 1 <sup>st</sup> sent	Deleted for clarity
6.	S12.1.2.2.1, New 1 <sup>st</sup> sent	Added “ALARA” for clarity
7.	S12.1.3	Deleted references to outdated NUREG documents and added appropriate current references
8.	S12.1.4	Deleted references to outdated NUREG documents and added appropriate current references
9.	S12.1.5	Updated references to reflect section content
10.	S12.2.1.1.2, 2 <sup>nd</sup> para	Added “Operations and radiation protection personnel” for further clarification of responsible individuals. Deleted “exact” for clarification.
11.	S12.2.1.2	Changed heading to “Reactor Building and Fuel Building Source Terms”
12.	S12.2.1.3, 3 <sup>rd</sup> and 4 <sup>th</sup> para	Updated “9.25 MBq/g” to “11.1 MBq/g”, “five times” to “six times”, and “as calculated using the SKYIII-PC code” in response to RAI 11.5-23 S01
13.	S12.2.1.4, 1 <sup>st</sup> and 3 <sup>rd</sup> para	Changed section in response to RAI 2-4-29 S01
14.	S12.2.2.1	Deleted discussion of calculation of X/Q and D/Q values and replaced with generic discussion of these parameters for clarity.
15.	S12.2.2.2	Added sentence in response to RAI 12.2-21
16.	S12.2.2.4	Changed from “...discharge canal” to “plant discharge point” for clarity. Added last sentence in response to RAI

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Item	Location	Description of Change
		12.2-21
17.	S12.2.3.3	Rewrote introduction paragraph for clarity
18.	S12.2.4	Changed in accordance with COL numbering system
19.	S12.2.4	Added details to second COL item in response to RAI 12.2-21
20.	S12.2.4	Added details to third COL item in response to RAI 12.2-22
21.	S12.2.5	Deleted references 12.2-5 and 12.2-6
22.	T12.2-5	Changed components in response to RAI 12.3-8
23.	S12.3.1, 1 <sup>st</sup> and last para	Sentences deleted. Adequate information regarding material selection and ALARA resides in S5.2.3, S6.1, and S12.3.1.
24.	S12.3.1, 8 <sup>th</sup> para	Added “stainless steel or” to sentence for consistency with S12.4.4
25.	S12.3.1.2.4	Added fourth paragraph in response to RAI 12.4-16
26.	S12.3.1.2.6	Added last three paragraphs in response to RAI 12.4-11
27.	S12.3.1.3, last para	Changed in accordance with COL numbering system
28.	S12.3.1.4.1	Added reference to figures in response to RAI 12.4-24
29.	S12.3.1.4.2	Added reference to figures in response to RAI 12.4-24
30.	S12.3.4	Added last bullet to reference COL item within DCD text and changed in accordance with COL numbering system
31.	S12.3.7	Changed in accordance with COL numbering system
32.	S12.3.7.1	Subsection deleted. Adequate information regarding material selection and ALARA resides in S5.2.3, S6.1, and S12.3.1.
33.	T12.3-1	Added SKYIII-PC in response to RAI 11.5-23 S01
34.	T12.3-8	Changed “meters” to “centimeters” in response to RAI 12.4-6 S01
35.	F12.3-19	Change figure in response to RAI 12.4-4 S01
36.	F12.3-52 through F12.3-70	Changed Note 3 in all figures from “Additional RP Controls will be Defined During the COL Process” to “Additional RP Controls are Established in the RP

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		Program”
37.	F12.3-71	Figure added in response to RAI 12.4-24
38.	F12.3-72	Figure added in response to RAI 12.4-24
39.	F12.3-73	Figure added in response to RAI 12.4-24
40.	S12.4, 4 <sup>th</sup> para	Deleted “task designations” for clarification since there are actually six designation (miscellaneous category not specific to any facility area)
41.	S12.4.1, 13 <sup>th</sup> para	Added “use of” for clarification
42.	S12.4.2, 8 <sup>th</sup> and 9 <sup>th</sup> para	Reworded for clarification
43.	S12.4.4, 6 <sup>th</sup> para	Reworded for clarification
44.	S12.4.6, 2 <sup>nd</sup> para	Change “2%” to “1%” to be consistent with T11.1-3
45.	S12.5.1	Reworded COL applicant requirement and relocated to S12.5.2
46.	S12.5.2	Reworded COL applicant requirement but maintaining consistency with previous wording
47.	S12.5.3	Reworded COL applicant requirement but maintaining consistency with previous wording
48.	S12.5.4	Reworded COL applicant requirement but maintaining consistency with previous wording
49.	S12.6.1, 1 <sup>st</sup> para	Editorial change to clarify that the examples provided are design features
50.	S12.6.1, 2 <sup>nd</sup> bullet	Rewrote bullet for further clarity
51.	S12.6.1, 6 <sup>th</sup> , 7 <sup>th</sup> , 13 <sup>th</sup> – 17 <sup>th</sup> bullets	Added detail to bullet list in response to RAI 12.7-1
52.	S12.6.2, 1 <sup>st</sup> para	Editorial change to clarify that the examples provided are design features