

Chapter 12 Revision 2 to Revision 3 Change List

Item	Location	Description of Change
1.	Title Page	Changed “GE Nuclear Energy” to “GE Energy Nuclear”
2.	Abbreviations and Acronyms	Deleted all acronyms that are not used in DCD Chapter 12
3.	Abbreviations and Acronyms	Added term “RCCW” and added “Reactor Component Cooling Water” definition
4.	S12.1.1.1, 1 st para	Added Reference 12.1-1 to sentence
5.	S12.1.1.3	Added reference numbers to documents
6.	S12.1.2.1, 3 rd para	Added sentence per response to RAI 12.2-16
7.	S12.1.2.3.1, bullet list	Last bullet, added example of providing for transportation of equipment or components requiring service to a lower radiation area, per response to RAI 12.2-17
8.	S12.1.2.3.2, bullet list	In fourth bullet, added example of providing central control panels to permit remote operation of all essential instrumentation and controls from the lowest radiation zone practicable, per response to RAI 12.2-18
9.	S12.1.4.3	Added COL applicant information regarding Radiation Protection Plan
10.	S12.1.5	Added five references as referenced in S12.1
11.	S12.2.1.1.2, 2 nd para	Revised discussion of reactor startup source, per response to RAI 12.3-3
12.	S12.2.1.2.1, 3 rd para	Deleted sentence discussing contamination of HEPA train, per response to RAI 12.3-4
13.	S12.2.1.3, 3 rd para	Added discussion of N-16 skyshine offsite dose contribution, per response to RAI 12.3-5 and RAI 12.3-5 supplement 1
14.	S12.2.1.4, 3 rd para	Revised discussion of radwaste building and tank area concrete, per response to RAI 2.4-29
15.	S12.2.2	Added sentence discussing subsection contents, per response to RAI 12.3-12
16.	S12.2.2.1	Renamed subsection heading from “Airborne Sources” to “Airborne Releases Offsite”

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17	S12.2.2.1	Deleted discussion of airborne sources during refueling, per response to RAI 12.3-12
18	S12.2.2.1	Incorporated partial response to support the response to RAI 12.2-9 supplement 1
19	S12.2.2.2	Renamed section “Airborne Dose Evaluation Offsite.” Added sentence discussing COL applicant responsibilities in determining offsite airborne effluent dose.
20	S12.2.2.3	Renamed section “Liquid Releases Offsite”. Added last sentence for clarity.
21	S12.2.2.4	Renamed “Liquid Doses Offsite”. Rewrote section to include references and table references. Added sentence discussing COL applicant responsibilities in determining offsite airborne effluent dose.
22	S12.2.3	Added section “Airborne Sources Onsite” in response to RAI 12.3-12
23	S12.2.3.1	Added section “Calculation of Airborne Radionuclides” in response to RAI 12.3-12
24	S12.2.3.2	Added section “Reactor Building” in response to RAI 12.3-12
25	S12.2.3.2.1	Added section “Airborne Sources During Normal Operation” in response to RAI 12.3-12
26	S12.2.3.2.2	Added section “Airborne Sources During Refueling” in response to RAI 12.3-12
27	S12.2.3.3	Added section “Fuel Building” in response to RAI 12.3-12
28	S12.2.3.4	Added section “Turbine Building” in response to RAI 12.3-12
29	S12.2.3.5	Added section “Radwaste Building” in response to RAI 12.3-12
30	S12.2.4	Added COL information in response to RAI 12.3-3. Added COL applicant responsibilities as discussed in Sections 12.2.2.2 and 12.2.2.4.
31	S12.2.5	Added last reference in response to RAI 12.3-12

Item	Location	Description of Change
32	T12.2-6a, b, c T12.2-7 T12.2-8 T12.2-9 T12.2-10a T12.2-11 T12.2-12 T12.2-13a, b, c, d, e, f, g T12.2-14a, b	Recalculated tables in response to RAI 12.3-1, added class designations to Table 12.2-11
33	T12.2-8a, b T12.2-10b T12.2-14c, d, e	Added tables in responses to RAI 12.3-1
34	T12.2-19a	Added table in response to RAI 12.2-10 S01
35	T12.2-19b T12.2-20b	Recalculated table in response to RAI 12.2-10 S01
36	T12.2-21	Added table in response to RAI 12.3-5
37	T12.2-22	Added table in response to RAI 12.3-7
38	T12.2-23a, b, c, d, e	Added table in response to RAI 12.3-12
39	S12.3.1, 1 st para, 1 st sent	Added reference 12.3-11
40	S12.3.1, 1 st para, 4 th sent	Deleted sentence on information not provided in document in response to RAI 12.4-1
41	S12.3.1, 1 st para, last sent	Added NUREG-0800 compliance
42	S12.3.1, last para	Changed “COL applicant” to “COL holder,” and deleted last sentence
43	S12.3.1.2.4, 2 nd para	Added second paragraph in response to RAI 12.4-2
44	S12.3.1.2.4	Incorporated partial response in support of the response to RAI 12.4-16
45	S12.3.1.3, table	Added details to table in response to RAI 12.4-4
46	S12.3.1.3, 3 rd para	Rewrote paragraph in response to RAI 12.4-4
47	S12.3.1.4	Added IFTS to paragraph
48	S12.3.1.4.4	Added section on “Inclined Fuel Transfer System” in response to RAI 12-4-20
49	S12.3.2.2.1, last bullet	Added reference 12.3-12
50	S12.3.3.1, bullet list	Rewrote 2 nd bullet in response to RAI 12.4-21

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51	S12.3.3.2.1, 3 rd para, last sent	Changed “desired” to “necessary”
52	S12.3.3.2.3, last sent	Added details on health physics personnel and reworded the end of the sentence
53	S12.3.3.3	Added subsection 12.3.3.3 in response to RAI 12.4-23
54	S12.3.4, bullet list	Rewrote 2 nd bullet in response to RAI 12.4-28
55	S12.3.4, bullet list	Added 4 th bullet in response to RAI 12.4-29 and 12.4-29 S01
56	S12.3.4, 2 nd bullet	Added reference 12.3-13
57	S12.3.4, last bullet	Changed “COL applicant” to “COL holder,” and deleted last sentence
58	S12.3.4	Incorporated partial response to RAI 12.4-25
59	S12.3.4.1, 1 st para, 1 st sent	Rewrote sentence in response to RAI 12.4-26
60	S12.3.4.3, 2 nd and 3 rd para	Added paragraphs in response to RAI 12.4-30
61	S12.3.4.3, last para	Added reference 12.3-14
62	S12.3.5, 1 st para, last sent	Deleted erroneous reference to S15.3.3
63	S12.3.5	Deleted all references to EBAS and PASS
64	S12.3.5	Incorporated partial response to RAI 12.4-31
65	S12.3.6	Incorporated partial response to RAI 12.4-31
66	S12.3.7.1	Added reference to S12.3.1, changed “COL applicant” to “COL holder”
67	S12.3.7.2	Changed “COL applicant” to “COL holder”
68	S12.3.7.3	Added section to establish a program for COL holder to control access to high radiation areas
69	S12.3.8	Added references 12.3-11 through 12.3-18
70	T12.3-2	Deleted last column and added footnote #2, per the response to RAI 12.4-26
71	T12.3-3	Deleted last column, per the response to RAI 12.4-26
72	T12.3-4	Deleted last column, per the response to RAI 12.4-26
73	T12.3-5	Deleted last column and revised footnote #1, per the response to RAI 12.4-26
74	T12.3-8	Table added in response to RAI 12.4-6
75	T12.3-9	Table added in response to RAI 12.4-23
76	T12.3-10	Table added in response to RAI 12.4-23

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77	F12.3-1 through F12.3-22	Figures revised, per the response to RAI 12.4-4
78	F12.3-22a F12.3-22b	Added per the response to RAI 12.4-15
79	F12.3-23	Figure revised, per the response to RAI 12.4-27
80	F12.3-24 through F12.3-31, F12.3-43 through F12.3-51	Figures revised only to reflect general arrangement drawing revisions in Section 1.2; no technical content pertaining to Chapter 12 was revised
81	F12.3-43 through F12.3-51	Incorporated partial response to RAI 12.4-31
82	F12.3-52 through F12.3-70	Figures added, per the response to RAI 12.4-5
83	S12.4	Incorporated partial response to RAI 12.5-1
84	S12.4.1, 2 nd para	Revised paragraph to reflect the response to RAI 12.5-2
85	S12.4.1, 16 th para	Deleted information in response to RAI 12.5-4
86	S12.4.2, 9 th para	Capitalized “hydraulic control units”
87	S12.4.4, 6 th para	Rewrote paragraph in response to RAI 12.5-5
88	S12.4.5	Incorporated partial response to RAI 12.5-6
89	T12.4-1	Incorporated partial responses to RAIs 12.5-1 and 12.5-6
90	S12.5.1	Added sentence referring COL information to Section 12.5.4.2
91	S12.5.2	Changed “12.5.4” to “12.5.4.2”
92	S12.5.2	Incorporated partial responses to RAIs 12.6-1 and 12.6-2
93	S12.5.4.1	Referred to Section 12.5.3, added reference 12.5-1
94	S12.5.4.2	Referred to Sections 12.5.1 and 12.5.2
95	S12.5.5	Added reference 12.5-1
96	S12.6	Incorporated partial responses to RAIs 12.7-1 and 12.7-3 supplement 1
97	S12.6.2	Added paragraph and bulleted list, per the response to RAI 12.7-2