

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
02.02.03-1	FSAR Chapter 2 was revised to address the impact on the underground gasoline storage tanks for a confined vapor explosion or flammable vapor cloud explosion due to storage and delivery of fuel.	Dominion's October 20, 2008 response to RAI 02.02.03-1.
02.03.01-1	FSAR Chapters 1 and 2 were revised to provide the basis for the FSAR Table 2.0-2R wind speed value of 90 mph used in the design of nonsafety-related structures that are not included as part of the ESBWR standard plant design.	Dominion's August 28, 2008 response to RAI 02.03.01-1.
02.03.01-2	FSAR Chapter 2 was revised to use the 100-year return period temperatures for maximum temperatures and the historic minimum temperature reported at a nearby station for the minimum dry-bulb temperature.	Dominion's August 28, 2008 response to RAI 02.03.01-2.
02.03.01-3	FSAR Chapter 2 was corrected to read "-7.8 °C" for "18 °F."	Dominion's August 28, 2008 response to RAI 02.03.01-3.
02.03.02-1	The FSAR was revised to describe the quantitative analysis used to evaluate the potential impacts of the Unit 3 cooling tower on Unit 3 plant design and operation.	Dominion's April 25, 2008 response to RAI 02.03.02-1.
02.03.05-1	The FSAR and ER were revised to include the input data and assumptions used in the XOQDOQ code modeling.	Dominion's October 17, 2008 response to RAI 02.03.05-1.

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Change ID	Summary of Change	Basis for Change
02.03.05-2	<ul style="list-style-type: none"> <li>• The FSAR and ER were revised to identify the maximum D/Q value as 1.1E-08 1/m<sup>2</sup> in the NNE sector and to reflect the calculated doses to the maximally exposed individual based on the maximum D/Q value.</li> <li>• The FSAR and ER were revised to identify the no-decay and 2.26-day decay <math>\chi</math>/Q values as undepleted values and the 8-day decay <math>\chi</math>/Q values as depleted values.</li> <li>• The FSAR and ER were revised to identify the shortest distance from any point on the plant facility boundary to the exclusion area boundary (EAB) for each directional sector.</li> <li>• FSAR Section 2.3.5.1 was revised to identify the shortest distance to the site boundary in the direction with the maximum <math>\chi</math>/Q. Notes were added to tables in the FSAR and ER to clarify distances and directions.</li> </ul>	Dominion's October 17, 2008 response to RAI 02.03.05-2.
02.03.05-3	The FSAR and ER were revised to provide the $\chi$ /Q and D/Q values out to 50 miles using tables with consistent titles and content.	Dominion's October 17, 2008 response to RAI 02.03.05-3.
02.05.04-3	FSAR Section 2.5.4.5.3 was revised to identify that the properties of the concrete fill will be designed to result in a shear wave velocity in the same range as that of the Zone III-IV rock.	Dominion's July 14, 2008 response to RAI 02.05.04-3.
02.05.04-6	FSAR Table 2.0-201 was revised to identify the dynamic bearing capacity value of 214 ksf for concrete.	Dominion's July 14, 2008 response to RAI 02.05.04-6.
03.02.01-3	FSAR Table 1.9-202 was revised to change the conformance evaluation for RG 1.29 to show conformance to RG 1.29, Rev.3, not Rev.4.	Dominion's September 17, 2008 response to RAI 03.02.01-3.
03.02.02-1	FSAR Table 1.9-202 was revised to change the conformance evaluation for RG 1.26 to show conformance to RG 1.26, Rev.3, not Rev.4.	Dominion's September 17, 2008 response to RAI 03.02.02-1.

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Change ID	Summary of Change	Basis for Change
03.09.02-2	FSAR Section 3.9.2.4 was revised to provide the schedule information in accordance with the applicable guidance in position C.3 of RG 1.20 for non-prototype internals. Additionally, as a result, FSAR Table 1.9-202, "Conformance with Regulatory Guides," was revised to show conformance with RG 1.20.	Dominion's October 2, 2008 response to RAI 03.09.02-2.
03.09.03-2	FSAR Section 3.9.3.7.1(3)f was revised to replace the reference to DCD Tier 1, Table 3.1-1 with a reference to DCD Tier 1, Section 3.1.	Dominion's September 3, 2008 response to RAI 03.09.03-2
03.09.06-3	FSAR Section 3.9.6.8 was revised to remove the specific reference to "high-risk" valves.	Dominion's September 11, 2008 response to RAI 03.09.06-3.
05.02.01.01-1	FSAR Section 5.2.1.1 was revised to provide references to the appropriate FSAR sections that discuss ASME Code Section XI and ASME OM Code (and thus 10CFR55.55a) compliance.	Dominion's September 11, 2008 response to RAI 05.02.01.01-1.
05.02.01.02-1	FSAR Section 5.2.1.2 was revised to add a discussion of Regulatory Guide 1.192 in the applicable code case section.	Dominion's September 11, 2008 response to RAI 05.02.01.02-1.
05.02.04-3	<ul style="list-style-type: none"> <li>• FSAR Section 5.2.4 was revised to clarify that all Class 1 austenitic or dissimilar metal welds are included in the referenced certified design.</li> <li>• FSAR Section 5.2.4.2 was revised to address Class 1 components.</li> </ul>	Dominion's August 12, 2008 response to RAI 05.02.04-3.
05.02.04-4	FSAR Sections 5.2.4.3.4, 5.2.4.6, and 6.6.6 were revised to change the in-service inspection program description regarding the applicability of the limitations addressed in 10CFR50.55a(b)(2).	Dominion's August 12, 2008 response to RAI 05.02.04-4.
05.02.05-1	FSAR Section 5.2.5.9 was revised to clarify the scope of RCPB leakage procedures, and to be consistent with DCD Rev. 5, Section 5.2.5.	Dominion's August 7, 2008 response to RAI 05.02.05-1.

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Change ID	Summary of Change	Basis for Change
08.02-1	FSAR Figure 8.2-201 was revised to clarify that equipment shown on the offsite power portion replaces equipment shown on the offsite power portion of DCD Figure 8.1-1. FSAR Figure 8.2-201 was also revised to show the new 500 kV bay which ties in the new Ladysmith transmission line for Unit 3.	Dominion's July 28, 2008 response to RAI 08.02-1.
08.02-13	FSAR Section 8.2.2.1 was revised to remove the reference to unit technical specification actions.	Dominion's July 28, 2008 response to RAI 08.02-13.
08.02-18	The conformance evaluation for SRP 8.2 Part II.1 in FSAR Table 1.9-201 was revised from "conforms" to "not applicable."	Dominion's July 28, 2008 response to RAI 08.02-18.
08.02-2	FSAR Section 8.2.1.2 was revised to add a description of the routing of control, instrumentation, and miscellaneous power cables.	Dominion's July 28, 2008 response to RAI 08.02-2.
08.02-20	The conformance evaluation for BTP 8.3 in FSAR Table 1.9-201 was revised from "not applicable" to "conforms."	Dominion's July 28, 2008 response to RAI 08.02-20.
08.02-21	FSAR Table 1.9-201 was revised to clarify the basis for concluding that BTP 8-5 is not applicable.	Dominion's July 28, 2008 response to RAI 08.02-21.
08.02-22	FSAR Table 1.9-201 was revised to clarify the basis for concluding that BTP 8-6 is not applicable.	Dominion's July 28, 2008 response to RAI 08.02-22.
08.02-25	FSAR Section 8.2.1.2.1 was revised to add a description of the switchyard surge and lightning protection.	Dominion's July 28, 2008 response to RAI 08.02-25.
08.02-29	<ul style="list-style-type: none"> <li>• FSAR Section 8.2.1.2 was revised to include the design requirements for cable.</li> <li>• FSAR Section 8.2.1.2.1 was revised to include the requirement for manhole inspections for water accumulation.</li> </ul>	Dominion's December 1, 2008 response to RAI 08.02-29.
08.02-30	FSAR Figure 8.2-201 was revised to identify transformers 1, 2, 3, 5 and 6.	Dominion's December 1, 2008 response to RAI 08.02-30.

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Change ID	Summary of Change	Basis for Change
08.02-32	FSAR Section 8.2.2.1 was revised to state that the 34.5 kV portion of the North Anna switchyard was not modeled separately; rather, the loads were considered at the 500 kV level.	Dominion's December 1, 2008 response to RAI 08.02-32.
08.02-7	FSAR Section 8.2.1.2.2 was revised to explain the coordination, review, and acceptance process for switchyard protective relaying.	Dominion's July 28, 2008 response to RAI 08.02-7.
08.02-8	FSAR Section 8.2.1.2.3 was revised to include a discussion of the industry standards used for monitoring, maintenance and testing of the switchyard protection system.	Dominion's July 28, 2008 response to RAI 08.02-8.
08.02-9	FSAR Section 8.2.1.2.3 was revised to include the requirement to conduct semi-annual dissolved gas analysis on transformers and 4-year dissolved gas analysis on load tap changers.	Dominion's July 28, 2008 response to RAI 08.02-9.
08.03.02-1	FSAR Section 8.3.2.1.1 was revised to indicate that procedures will include station blackout response guidelines, AC power restoration, and severe weather guidelines, as recommended by NUMARC 87-00.	Dominion's August 4, 2008 response to RAI 08.03.02-1.
08.03.02-2	<p>FSAR Table 1.9-202 was revised to incorporate the following changes:</p> <ul style="list-style-type: none"> <li>• The title for RG 1.41 was corrected and the conformance evaluation was revised from "not applicable" to "conforms with exceptions."</li> <li>• The conformance evaluation for RG 1.128 was revised from "conforms" to "not applicable."</li> <li>• The conformance evaluation for RG 1.129 was revised from "conforms" to "not applicable."</li> </ul>	Dominion's August 4, 2008 response to RAI 08.03.02-2.

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Change ID	Summary of Change	Basis for Change
09.01.05-1	<ul style="list-style-type: none"> <li>• FSAR Section 9.1.5.6 was revised to delete the exceptions taken with regard to lifting devices, add the guidelines of ANSI N14.6 for testing and inspection of special lifting devices, and add the guidance of NUREG-0612, Section 5.1.1(5) for other lifting devices.</li> <li>• DCD Rev. 5 revised COL Item 9.1.6-5-A" to "COL Item 9.1-5-A." FSAR Section 9.1.5.6 was revised to change the COL Information item number from "STD COL 9.1.6-5-A" to "STD COL 9.1-5-A" to incorporate the DCD Rev. 5 change.</li> </ul>	<p>Dominion's August 4, 2008 response to RAI 09.01.05-1.</p> <p>DCD Rev. 5.</p>
09.01.05-2	<ul style="list-style-type: none"> <li>• FSAR Section 9.1.5.9 was revised to include a statement that there is no heavy load handling equipment, nor interlocks associated with heavy load handling equipment that is outside the scope of the certified design.</li> <li>• DCD Rev. 5 revised COL Item 9.1.6-5-A" to "COL Item 9.1-5-A." FSAR Sections 9.1.6 and 9.1.5.9 were revised to change the COL Information Item number from "STD COL 9.1.6-5-A" to "STD COL 9.1-5-A" to incorporate the DCD Rev. 5 change.</li> </ul>	<p>Dominion's August 4, 2008 response to RAI 09.01.05-2.</p> <p>DCD Rev. 5.</p>
09.02.01-1	<p>FSAR Figure 9.2-201 was revised to indicate that the stop gate in the PSWS cooling tower basin is normally open, allowing the PSW pumps to draw water from the entire basin inventory.</p>	<p>Dominion's August 28, 2008 response to RAI 09.02.01-1.</p>
09.02.01-3	<p>FSAR Section 9.2.1.2 was revised to include a statement that materials selected for the PSWS are based on the PSWS water treatment regime.</p>	<p>Dominion's August 28, 2008 response to RAI 09.02.01-3.</p>
09.03.02-1	<p>FSAR Section 9.3.2.2 was revised to reference DCD Section 11.5.3.2.11.</p>	<p>Dominion's July 23, 2008 response to RAI 09.03.02-1.</p>

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Change ID	Summary of Change	Basis for Change
09.05.01-1	FSAR Sections 9.5.1.15.2, 9.5.1.16, and Table 1.10-201 were revised to reflect the deletion of DCD COL Item 9.5.1-9-A.	DCD Rev. 5 and Dominion's July 23, 2008 response to RAI 09.05.01-1.
09.05.01-11	FSAR Section 9.5.1.15.9 was revised to include nonsafety-related areas within the scope of the fire protection quality assurance controls outlined in Chapter 17.	Dominion's July 23, 2008 response to RAI 09.05.01-11.
09.05.01-12	FSAR Section 13.1.2.1.5 was revised to specifically address the training, knowledge, and competence requirements for the fire brigade leader and members.	Dominion's July 23, 2008 response to RAI 09.05.01-12.
09.05.01-13	FSAR Section 9.5.1.15.6 was revised to add a requirement to prohibit the storage of hazardous chemicals in areas that contain or expose equipment important to safety.	Dominion's July 23, 2008 response to RAI 09.05.01-13.
09.05.01-15	FSAR Section 9.5.1.10 was revised to delete the word "independent" and specify the use of a "recognized" testing laboratory.	Dominion's July 23, 2008 response to RAI 09.05.01-15.
09.05.01-17	<ul style="list-style-type: none"> <li>• FSAR Figure 9.5-201 was revised to show a fire water supply to the Station Water Intake Building.</li> <li>• FSAR Section 1.1.1.7 and Appendix 9A were revised and NAPS DEP 9A1.1 was added to reflect that Unit 3 will not have a dedicated warehouse building.</li> <li>• FSAR Section 9A.7 was revised from "F7454" to "F7154" to correct a typographical error.</li> </ul>	Dominion's September 4, 2008 response to RAI 09.05.01-17.
09.05.01-5	FSAR Section 9.5.1.15.6 was revised to add requirements to control combustible materials in rooms adjacent to the main control room.	Dominion's July 23, 2008 response to RAI 09.05.01-5.
09.05.01-6	FSAR Section 9.5.1.15.6 was revised to add a requirement to prohibit the storage of transient combustibles below the raised floor in the main control room complex.	Dominion's July 23, 2008 response to RAI 09.05.01-6.

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09.05.01-7	FSAR Section 9.5.1.15.6 was revised to add requirements to control combustible materials in rooms adjacent to the main control room.	Dominion's July 23, 2008 response to RAI 09.05.01-7.
09.05.01-8	FSAR Section 9.5.1.4 was revised to describe the program to monitor and maintain firewater sources.	Dominion's July 23, 2008 response to RAI 09.05.01-8.
09.05.01-9	FSAR Table 1.9-204 was revised to add a reference to NFPA 55.	Dominion's July 23, 2008 response to RAI 09.05.01-9.
09.05.04-2	FSAR Section 9.5.4.2, STD COL 9.5.4-1-A was revised to clarify that the diesel generators can operate continually for seven days at calculated design load with appropriate design margins.	Dominion's August 4, 2008 response to RAI 09.05.04-2.
09.05.04-4	FSAR Section 9.5.4.2 was revised to clarify that the only underground component of the fuel oil transfer storage system is carbon steel piping.	Dominion's August 21, 2008 response to RAI 09.05.04-4.
09.05.04-6	FSAR Section 9.5.4 was revised to delete the reference to a corrosion protection system for the internal surfaces of buried diesel fuel oil transfer system piping.	Dominion's December 3, 2008 response to RAI 09.05.04-6.
10.03.06-1	FSAR Table 13.4-201 was revised to clarify that the ISI program includes the FAC program.	Dominion's July 14, 2008 response to RAI 10.03.06-1.
10.03.06-2	FSAR Section 6.6 was revised to include a discussion of the FAC program.	Dominion's July 14, 2008 response to RAI 10.03.06-2.
10.04.05-1	<ul style="list-style-type: none"> <li>• FSAR Section 10.4.5.2.2 was revised to delete the exception for large bore piping.</li> <li>• FSAR Section 10.4.5.2.1 was revised to describe the provisions in the CIRC system design that minimize the effect of hydraulic transients upon the functional capability and the integrity of the system components.</li> </ul>	Dominion's August 7, 2008 response to RAI 10.04.05-1.

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Change ID	Summary of Change	Basis for Change
10.04.05-2	FSAR Section 10.4.5.6 was revised to clarify that failure of a pipe or component in the CIRC hybrid cooling tower or elsewhere in the CIRC in the yard would not adversely impact the intended design functions of safety-related SSCs.	Dominion's August 7, 2008 response to RAI 10.04.05-2.
11.02-1	FSAR Section 11.2.1 was revised to remove the reference to draft NEI Template 07-11, add a LWMS cost-benefit analysis specific to North Anna Unit 3, and add a reference to OMB Circular A-94.	Dominion's June 30, 2008 response to RAI 11.02-1.
11.02-2	The last sentence of the first paragraph of FSAR Section 11.2.2.3 was revised to clarify the intent of the sampling program.	Dominion's July 23, 2008 response to RAI 11.02-2.
11.03-0	FSAR Section 11.3.1 was revised to refer to Section 11.2.1 for the methodology for performing the cost-benefit analysis which complies with NRC's guidance in RG 1.110 and also to present the results of the analysis for the Unit 3 GWMS. The thyroid doses from various sources were updated due to changes in the source terms in DCD Rev. 5.	Dominion's July 23, 2008 response to RAI 11.03-0.
11.03-2	<ul style="list-style-type: none"> <li>• FSAR Sections 11.2.1 and 11.3.1 were revised to indicate that RG 1.110 methodology was applied.</li> <li>• FSAR Section 11.3.1 was revised to add a qualifier addressing the capacities of the gaseous radwaste system augments.</li> <li>• The evaluation of the 600 ft<sup>3</sup> gas decay tank was revised to address the cost-benefit analysis rather than excluding it solely on the basis of radionuclide half-lives.</li> </ul>	Dominion's December 3, 2008 response to RAI 11.03-2.
11.04-1A	FSAR Section 11.4.1 was revised to provide technical justification to show that the LWMS and GWMS cost-benefit analyses addresses the SWMS contributions without the need for system augments to comply with 10 CFR 50, Appendix I, Section II.D.	Dominion's June 30, 2008 response to RAI 11.04-1A.

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Change ID	Summary of Change	Basis for Change
11.04-2	FSAR Section 11.4.2.3.5 was revised to clarify the intent of the sampling program.	Dominion's July 23, 2008 response to RAI 11.04-2.
11.05-2	<ul style="list-style-type: none"> <li>• FSAR Sections 9.2.1.2 and 10.4.5.2.3 were revised to address grab sample provisions.</li> <li>• FSAR Section 9.2.4.2 and Figure 9.2-203 were revised to remove the continuous samplers and add grab samples.</li> <li>• FSAR Table 11.5-201 was revised to clarify the sampling provisions that support development of the plant specific Offsite Dose Calculation Manual</li> </ul>	Dominion's June 30, 2008 response to RAI 11.05-2.

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Change ID	Summary of Change	Basis for Change
12.02-1	<ul style="list-style-type: none"> <li>• DCD Rev. 5 revised the gaseous effluent source terms in DCD Section 12.2.2.1. FSAR Section 12.2 and ER Section 5.4 were revised to reflect the changes to the gaseous effluent source terms to incorporate the DCD Rev. 5 change.</li> <li>• FSAR Table 12.2-18bR, was revised to add new rows at the end of the table showing a Unit 3 thyroid dose of 11 mrem/year to the MEI from the vegetable, residential plume and inhalation, and meat ingestion pathways due to all isotopes in gaseous effluent.</li> <li>• FSAR Table 12.2-201 was revised to present a thyroid dose of 9.1 mrem/year to the MEI from the vegetable, residential inhalation, and meat ingestion pathways due to iodines and particulates in gaseous effluent.</li> <li>• FSAR Table 12.2-203 was revised to present a thyroid dose of 11 mrem/year to the MEI from the vegetable, residential plume and inhalation, and meat ingestion pathways due to all isotopes in gaseous effluent.</li> <li>• FSAR Table 1.8 and FSAR Part 7 were revised to delete the references to NAPS ESP VAR 12.2-1, Annual Thyroid Dose.</li> </ul>	DCD Rev. 5 and Dominion's April 28, 2008 response to RAI 12.02-1.

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12.02-2	<ul style="list-style-type: none"> <li>• FSAR Section 12.2.2.4.4 and Table 12.2-203 were revised to more clearly account for direct radiation dose contributions. (FSAR 12.2.2.4.4 specified the distance from the ISFSI to the nearest resident as 1030 m. This was subsequently changed to 870 m – see Change ID N123b below. This change did not affect the MEI doses reported for the existing units in FSAR Table 12.2-203 in the RAI response because the dose rate from the ISFSI was based on the site boundary distance, which did not change.)</li> <li>• ER Table 5.4-6, which is similar to FSAR Table 12.2-203, was revised to reflect a dose contribution of 1 mrem/year to the MEI from Units 1 and 2.</li> </ul>	Dominion's August 4, 2008 response to RAI 12.02-2.
12.02-3	<ul style="list-style-type: none"> <li>• FSAR Table 12.2-20bR was revised by changing the dose values to units of mrem/year.</li> <li>• FSAR Table 12.2-19bR was revised to add a column showing the ratio of each radionuclide to the effluent concentration limit as well as the sum-of-the-ratios for all radionuclides, to highlight the Ba-139 annual activity release, and to add a footnote explaining the source of the radionuclide concentrations from Units 1 and 2.</li> <li>• FSAR Table 12.2-17R was revised similar to Table 12.2-19bR to add a column showing the ratio of each radionuclide to the gaseous concentration limit as well as the sum-of-the-ratios for all radionuclide concentrations.</li> </ul>	Dominion's August 21, 2008 response to RAI 12.02-3.
12.02-4	FSAR Section 12.2 and Table 1.10-201 were revised to add COL Information Item 12.2-4-A.	Dominion's September 19, 2008 response to RAI 12.02-4.
12.02-6	FSAR Section 12.2.1.5 was revised to add check source as a use for contained sources.	Dominion's September 19, 2008 response to RAI 12.02-6.

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Change ID	Summary of Change	Basis for Change
12.02-10	<ul style="list-style-type: none"> <li>• FSAR Table 12.2-18bR was revised to clarify that the plume dose includes ground shine contribution.</li> <li>• COLA Part 7 and FSAR Tables 1.8-202 and 12.2-203 were revised to reflect the variance in the dose values for the existing units and the site total values for total body and bone between FSAR Table 12.2-203 and ESP ER Table 5.4-11.</li> </ul>	Dominion's October 17, 2008 response to RAI 12.02-10.
12.02-11	<ul style="list-style-type: none"> <li>• FSAR Table 12.2-15R was revised to clarify the citation of Appendix 12B as "DCD Appendix 12B".</li> <li>• FSAR Table 12.2-18bR was revised to add Footnote 5 stating, "The maximum (child) bone dose for Unit 3 from all gaseous effluent pathways is shown in Table 12.2-203." A corresponding note was added to ER Table 5.4-4.</li> <li>• FSAR Table 12.2-204 and ER Table 5.4-7 were revised to add Footnote 2 stating "ESP doses are based on data from ESP-ER Tables 2.5-8, 5.4-1, and 5.4-3."</li> <li>• FSAR Table 12.2-204 and ER Table 5.4-7 were revised to add Footnote 3 stating, "The corresponding collective thyroid doses for Unit 3 are 0.69 person-rem/yr from liquid effluents and 28 person-rem/yr from gaseous effluents."</li> <li>• FSAR Table 12.2-204 was revised to add Footnote 4 stating, "The long-term <math>\chi/Q</math> and <math>D/Q</math> values used in deriving Unit 3 collective doses from routine gaseous effluent releases within 50 miles of the plant are shown in Tables 2.3-208 to 2.3-215." A corresponding note was added to ER Table 5.4-7.</li> </ul>	Dominion's December 3, 2008 response to RAI 12.02-11.

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Change ID	Summary of Change	Basis for Change
12.02-12	<ul style="list-style-type: none"> <li>• FSAR Table 12.2-203 and ER Table 5.4-6 were revised to add Footnote 5 to address the Unit 3 turbine building skyshine contribution.</li> <li>• FSAR Section 12.2.2.4.4 was revised to reflect a fully filled ISFSI.</li> <li>• FSAR Section 12.2.5 was revised to add the ISFSI SAR as a general reference.</li> </ul>	Dominion's December 3, 2008 response to RAI 12.02-12.
12.03-12.04-2	FSAR Appendix 12BB was revised to add a statement that isometric drawings of the very high radiation areas (VHRA) are included in DCD Section 12.3, and to add additional measures that will be used to prevent access to VHRAs.	DCD Rev. 5 and Dominion's September 19, 2008 response to RAI 12.03-12.04-2.
12.03-12.04-9	<ul style="list-style-type: none"> <li>• FSAR Section 12.1.4 was revised to change the title of STD COL 1-3-A to "Operational Considerations."</li> <li>• FSAR Section 12.5.4 was revised to renumber COL Information Items COL 12.5-1-A, COL 12.5-2-A, and COL 12.5-3-A to be consistent with the numbering scheme in DCD section 12.5.4.</li> <li>• FSAR Table 1.9-203, "Conformance Evaluation" column of Section C.III.1 (12.2.1) was revised to add "Addressed in DCD Section 12.2.1" and "Conformance Evaluation" column of Section C.III.1 (12.3.4) was revised to add "Addressed in Sections 12.3 and 12.5".</li> <li>• FSAR Table 1.9-202, RG 1.16 "Evaluation" column was revised to include the exception of the reporting requirements.</li> <li>• FSAR Table 1.9-202 was revised to correct the references in the "Evaluation" column for RG 8.26 and 8.32.</li> </ul>	Dominion's December 3, 2008 response to RAI 12.03-12.04-9.
12.05-2	FSAR Appendix 12BB was revised to remove the bracketed sections from the NEI 07-03 template.	Dominion's September 12, 2008 response to RAI 12.05-2.

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13.01.01-1	FSAR Section 13.1.1.2.1 was revised to indicate that information on the delegation of work is located in Appendix 17BB	Dominion's September 11, 2008 response to RAI 13.01.01-1.
13.01.01-2	FSAR Section 13.1.1.3 was revised to provide a discussion of key executive and corporate management positions, functions, and responsibilities.	Dominion's September 11, 2008 response to RAI 13.01.01-2.
13.01.01-3	FSAR Section 13.1.1 was corrected to delete the reference to Section 17.5 and add Figure 13.1-204 as the reference.	Dominion's September 11, 2008 response to RAI 13.01.01-3.
13.01.01-4	FSAR Section 13.1.2.1.1.3 was revised to clarify that development of plant maintenance programs is the responsibility of the maintenance manager.	Dominion's September 11, 2008 response to RAI 13.01.01-4.
13.01.01-6	Figure 13.1-204, Operating Organization, was added to the FSAR.	Dominion's September 11, 2008 response to RAI 13.01.01-6.
13.01.02-13.01.03-1	FSAR Table 1.9-202, Conformance with Regulatory Guides, was revised to reflect an exception to RG 1.189 and Section 13.1 was revised to indicate partial conformance to RG 1.189 and current industry practices.	Dominion's September 11, 2008 response to RAI 13.01.02-13.01.03-1.
13.01.02-13.01.03-3	FSAR Section 13.1.2.1 was revised to indicate that the plant operating organization is shown in a new figure, Figure 13.1-204	Dominion's September 11, 2008 response to RAI 13.01.02-13.01.03-3.
13.02.01-1	FSAR Table 1.6-201 and Appendix 13BB were revised to incorporate NEI 06-13A by reference.	Dominion's September 11, 2008 response to RAI 13.02.01-1.
13.02.02-1	FSAR Section 13.1.1.2.10 was revised to indicate that construction workers will receive fire protection training as part of their indoctrination to the site and that periodic fire drills will be conducted for Unit 3 during construction.	Dominion's September 11, 2008 response to RAI 13.02.02-1.
13.03-2.2	Revised Emergency Plan (Part 5) Section II, subsections, A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, & P.	Dominion's October 6, 2008 response to RAI 13.03-2.2.
13.03-2.3	Revised Emergency Plan (Part 5) Section II.C.3 and Section II.B.8.	Dominion's October 6, 2008 response to RAI 13.03-2.3.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
13.03-2.8	Revised Emergency Plan (Part 5) Section II.G.4.a and II.G.4.c.	Dominion's October 6, 2008 response to RAI 13.03-2.8.
13.03-2.9	Revised Table II-2 of the Unit 3 Emergency Plan.	Dominion's October 6, 2008 response to RAI 13.03-2.9.
13.05.02.01-1	FSAR Section 13.5.2.2.1 was revised to include the management of radioactive wastes for offsite shipment, disposal, and treatment.	Dominion's July 23, 2008 response to RAI 13.05.02.01-1.
13.05.02.01-2	FSAR Section 13.1.2.1.2.2 was revised to indicate that the Supervisor of Operations is responsible for maintenance of operating procedures.	Dominion's September 11, 2008 response to RAI 13.05.02.01-2.
13.05.02.01-3	FSAR Section 13.5.2.1.4 was revised to clarify that the procedures generation package (PGP) will be revised to include a description of the process used to develop plant-specific technical guidelines (P-STGs) from generic technical guidelines (GTGs).	Dominion's September 11, 2008 response to RAI 13.05.02.01-3.
13.05.02.01-4	FSAR Section 13.5.2.1.4 was revised to clarify that the PGP will include a plant-specific writer's guide that details the specific methods used in preparing EOPs that are based on P-STGs.	Dominion's September 11, 2008 response to RAI 13.05.02.01-4.
14.02-1	FSAR Section 14.2.8.1.36, AC Power Distribution System Preoperational Test, was added with a requirement to perform a test demonstrating the capability to transfer power from the normal preferred power supply to the alternate preferred power supply and FSAR Section 14.2.9.1.4 was deleted.	Dominion's July 14, 2008 response to RAI 14.02-1
14.02-3	Appendix 14AA, Description of Initial Test Program Administration, was added to the FSAR to conform to the guidance in SRP Section 14.2 and RG 1.206.	Dominion's August 7, 2008 response to RAI 14.02-3.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
14.02-5	<ul style="list-style-type: none"> <li>• FSAR Section 14.2.9.1.3 was deleted.</li> <li>• FSAR Tables 1.9-201 and 1.9-202 were revised to indicate exception to RG 1.68, Item 1.k(2).</li> <li>• FSAR Table 1.9-204 was revised to include ANSI/IEEE, N323D, "Installed Radiation Protection Instrumentation".</li> </ul>	Dominion's August 28, 2008 response to RAI 14.02-5.
14.02-6	FSAR Tables 1.9-201 and 1.9-202 were revised to indicate an exception to RG 1.68, Item 1.k(3).	Dominion's August 28, 2008 response to RAI 14.02-6.
14.02-7	FSAR Appendix 14AA.3.4 was revised to include a statement that summarizes the review criteria used by the test engineer for test procedure changes.	Dominion's September 11, 2008 response to RAI 14.02-7.
14.03.10-1.2	The acceptance condition description in Part 10, Table 2.3-1, Acceptance Criterion 6.3, was reworded to read "for various meteorological conditions."	Dominion's October 6, 2008 response to RAI 14.03.10-1.2.
14.03.10-1.4	<ul style="list-style-type: none"> <li>• Acceptance Criteria 8.1.2.1 and 8.1.2.2 in COLA Part 10, Table 2.3-1 were revised to add a clarifying note that the North Anna Unit 3 COL Emergency Plan provides information regarding the onsite emergency response organization and associated responsibilities in Sections II.B.1 through II.B.7.</li> <li>• FSAR Table 1.9-203 was revised to include Emergency Planning ITAAC.</li> </ul>	Dominion's October 6, 2008 response to RAI 14.03.10-1.4.
15.06.05-1	FSAR Tables 1.8-202 and 2.0-201 and the Departures Report were revised to identify and address the variance from ESP-003 DBA source term values. The Departures Report was also revised to clarify the criteria under which a variance is requested.	Dominion's October 17, 2008 response to RAI 15.06.05-1.
17.05-1	FSAR Table 1.9-201 was revised to include a summary of how Dominion's Nuclear Facility Quality Assurance Program Description (DOM-QA-1) conforms to SRP Section 17.5.	Dominion's August 4, 2008 response to RAI 17.05-1.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
17.05-4	FSAR Appendix 17BB, Part II, Section 1 was revised to include organization charts depicting the organizational interfaces for North Anna Unit 3.	Dominion's September 11, 2008 response to RAI 17.05-4.
17.05-6	FSAR Appendix 17BB, Part IV was revised to include the NAPS3 commitment to RG 1.37.	Dominion's September 11, 2008 response to RAI 17.05-6.
17.05-7	FSAR Section 13.1.1 was revised to include the requirement that changes to the organization described are reviewed under the provisions of 10 CFR 50.54(a). This ensures that any proposed reduction in commitments to the QAPD are submitted to, and approved by the NRC, prior to implementation.	Dominion's August 4, 2008 response to RAI 17.05-7.
17.06-1	FSAR Section 17.6.3 was revised to change "the preventative maintenance program" to "maintenance programs" and the reference to NEI 07-02 in FSAR Table 1.6-201 was changed to reflect NRC's approval of Revision 3 of the NEI template.	Dominion's July 14, 2008 response to RAI 17.06-1.
19-1	<ul style="list-style-type: none"> <li>• FSAR Section 19.5, NAPS SUP 19.5-1, was revised to include a reference to Appendix 19AA.</li> <li>• Appendix 19AA, Summary of Plant-Specific PRA Review, was added to the FSAR.</li> </ul>	Dominion's July 14, 2008 response to RAI 19-1.
19-2	<ul style="list-style-type: none"> <li>• FSAR Section 19.5, NAPS SUP 19.5-1, was revised to include a reference to Appendix 19AA.</li> <li>• Appendix 19AA, Summary of Plant-Specific PRA Review, was added to the FSAR.</li> </ul>	Dominion's July 14, 2008 response to RAI 19-2.
ETE04	A map showing radiological monitoring locations was added to Figure II-5 of the Emergency Plan.	Dominion's October 6, 2008 response to RAI ETE-4.
ETE06	The Evacuation Time Estimate (ETE) was revised to delete Assumption 3.a, in Section 2.3 of ETE Report.	Dominion's October 6, 2008 response to RAI ETE-6.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
ETE10	<p>ETE report sections, tables, and figures were revised:</p> <ul style="list-style-type: none"> <li>• Table 1-1 ETE Study Comparisons</li> <li>• Section 2.2 Study Methodological Assumptions</li> <li>• Section 2.3 Study Assumptions</li> <li>• Section 4 Estimation of Highway Capacity</li> <li>• Section 5 Estimation of Trip Generation Time</li> <li>• Table 5-1 Trip Generation Histograms for the EPZ Population</li> <li>• Figure 5-2 Mobilization Activities</li> <li>• Table 6-2 Evacuation Scenario Definitions</li> <li>• Table 6-3 Percent of Population Groups Evacuating for Various Scenarios</li> <li>• Table 6-4 Vehicle Estimates by Scenario</li> <li>• Table 7-1A Time to Clear the Indicated Area of 50 Percent of the Affected Population</li> <li>• Table 7-1B Time to Clear the Indicated Area of 90 Percent of the Affected Population</li> <li>• Table 7-1C Time to Clear the Indicated Area of 95 Percent of the Affected Population</li> <li>• Table 7-1D Time to Clear the Indicated Area of 100 Percent of the Affected Population</li> <li>• Appendix F Telephone Survey</li> <li>• Appendix J Evacuation Time Estimates for all Evacuation Regions and Scenarios</li> <li>• Table J-1A ETE for 50% of Population</li> <li>• Table J-1B ETE for 90% of Population</li> <li>• Table J-1C ETE for 95% of Population</li> <li>• Table J-1D ETE for 100% of Population</li> <li>• Figure J-8 Evacuation Time Estimates - Scenario 8 for Region R03 (Entire EPZ)</li> <li>• Figure J-11 Evacuation Time Estimates - Scenario 11 for Region R03 (Entire EPZ)</li> </ul>	<p>Dominion's October 6, 2008 response to RAI ETE-10.</p>

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
ETE12	Table F-1 of the ETE report was revised to show the population within a zip code that is also within the EPZ.	Dominion's October 6, 2008 response to RAI ETE-12.
ETE17	Table 3-2 of the ETE report was revised to change the transient population to match the FEIS transient population.	Dominion's October 6, 2008 response to RAI ETE-17.
ETE18	Sections 3, 5, 6, and Appendices I and J of the ETE report were revised to use the estimates provided by the Virginia Department of Conservation and Recreation.	Dominion's October 6, 2008 response to RAI ETE-18.
ETE23	The first paragraph of Section 8 of the ETE report was revised to reflect the assumption that virtually all transients and employees will have private vehicles for evacuation.	Dominion's October 6, 2008 response to RAI ETE-23.
ETE26	Table I-2 of the ETE report was revised to provide correct values associated with the shadow population.	Dominion's October 6, 2008 response to RAI ETE-26.
ETE32	The ETE report was revised to add a new table on page 7-7 that identifies the locations of the congestion paths shown in Figures 7-3 through 7-6. Evacuation routes experiencing Level of Service (LOS) F are identified in revised Figures 7-3 through 7-6 with a location number. This number can be cross-referenced with the new table to identify the intersection and the delay per vehicle on that link.	Dominion's October 6, 2008 response to RAI ETE-32.
ETE36	The table on page 5-6 of the ETE report was revised to show the correct entry for elapsed time of 65 minutes is 92 percent.	Dominion's October 6, 2008 response to RAI ETE-36.
ETE37	The percent scale on the "y" (vertical) axis of Figure F-5 in ETE Appendix F was corrected.	Dominion's October 6, 2008 response to RAI ETE-37.
ETE39	A new table was added to page 7-7 of the ETE report showing the average delay per vehicle at the locations indicated in Figures 7-3 through 7-6.	Dominion's October 6, 2008 response to RAI ETE-39.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N002	Part 1, Section 1, Introduction, was revised to correct the date of the GEH application submittal letter from 2004 to 2005.	Date of GEH application for final design approval and standard design certification for the ESBWR was incorrectly referenced as August 24, 2004 rather than the actual date of August 24, 2005.
N004	Editorial change. See user instructions.	
N006	Editorial change. See user instructions.	
N021	DCD Rev. 5 revised the Turbine Building seismic classification to non-seismic. Information in FSAR Chapter 2 was revised to incorporate this DCD Rev. 5 change.	DCD Rev. 5.
N024a	The ER was revised to refer to the Early Site Permit (ESP) that the NRC issued for the North Anna site (No. ESP-003) rather than the Final Environmental Impact Statement (FEIS) or the Draft Permit.	The COLA was prepared prior to NRC issuance of the ESP on November 27, 2007. The change corrects and updates the COLA to reflect issuance of the ESP.
N024b	The ER was revised to use ESP terminology.	The COLA was prepared prior to NRC issuance of the ESP on November 27, 2007. The change corrects and updates the COLA to reflect issuance of the ESP.
N024c	Editorial change. See user instructions.	
N024d	The ER was revised to provide updated information on permitting in Table 1.2-1.	The table presents the status of permitting actions. Updated information was available.
N024e	The ER was revised to update information on SAMA analysis.	GEH report NEDO-33306 Rev. 1
N025a	The FSAR and Part 7 were revised to refer to the Early Site Permit (ESP) that the NRC issued for the North Anna site (No. ESP-003), e.g., change from referring to the Final Safety Evaluation Report (FSER).	The COLA was prepared prior to NRC issuance of the ESP on November 27, 2007. The change corrects and updates the COLA to reflect issuance of the ESP.
N025b	The FSAR was revised to use ESP terminology.	The COLA was prepared prior to NRC issuance of the ESP on November 27, 2007. The change corrects and updates the COLA to reflect issuance of the ESP.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N025c	The FSAR was revised to use ESP Permit Condition numbering or description.	The COLA was prepared prior to NRC issuance of the ESP on November 27, 2007. The change corrects and updates the COLA to reflect issuance of the ESP.
N025d	The FSAR was revised to use site characteristic values in the ESP.	The COLA was prepared prior to NRC issuance of the ESP on November 27, 2007. The change corrects and updates the COLA to reflect issuance of the ESP.
N025e	The FSAR was revised to identify variances from the ESP.	The COLA was prepared prior to NRC issuance of the ESP on November 27, 2007. The change corrects and updates the COLA to reflect issuance of the ESP.
N025f	Editorial change. See user instructions.	
N025g	The FSAR was revised to clarify wording regarding fill for Unit 3 structures.	The COLA was prepared prior to NRC issuance of the ESP on November 27, 2007. The change corrects and updates the COLA to reflect issuance of the ESP.
N025h	The FSAR and Part 7 were revised to add reference numbers.	The COLA was prepared prior to NRC issuance of the ESP on November 27, 2007. The change corrects and updates the COLA to reflect issuance of the ESP.
N026a	FSAR Chapter 2 was revised to provide, move, remove, or renumber LMAs.	Provide consistent formatting of supplemental information in the FSAR.
N026b	FSAR Chapter 2 was revised to correct cross-reference numbering.	Provide consistent formatting of supplemental information in the FSAR.
N026c	FSAR Chapter 2 was revised to remove action statements.	Provide consistent formatting of supplemental information in the FSAR.
N026d	Editorial change. See user instructions.	
N026e	FSAR Chapter 2 was revised to add a delimiter line.	Provide consistent formatting of supplemental information in the FSAR.
N027	The Technical Specifications completion table was deleted.	The completion table was redundant to other information provided in the introduction.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N029a	DCD Rev. 5 revised the DCD Chapter 2 site parameter values; added a new footnote; added Appendix 2A; and revised DCD Chapter 15 accident source terms. FSAR Chapters 1 and 2 and Part 7 were revised to incorporate the changes in DCD Rev. 5. The FSAR and Part 7 changes address a new variance from the ESP.	DCD Rev. 5.
N029b	The FSAR and Part 7 were revised to address COL Items 2A.2-1-A and 2A.2-2-A.	DCD Rev. 5.
N029c	The FSAR was revised to add Appendix 2A.	DCD Rev. 5.
N029d	The FSAR was revised to update FSAR section titles, wording, or footnote numbering for consistency with the DCD.	DCD Rev. 5.
N029e	Editorial change. See user instructions.	
N029f	The FSAR was revised to address revised DCD site parameter values.	DCD Rev. 5.
N029g	The FSAR was revised to correct or update cross-reference numbering.	DCD Rev. 5.
N031	<ul style="list-style-type: none"> <li>• FSAR Section 13.6.2 was revised to address NAPS ESP COL 13.6-1.</li> <li>• Chapter 13 position titles were changed for consistency.</li> <li>• Missing LMAs were added.</li> <li>• Editorial corrections were incorporated.</li> </ul>	NAPS ESP COL item was not addressed in the FSAR, position titles were inconsistent, and LMAs were missing.
N032	The FSAR was revised to include the safety classification of the control room HVAC system in FSAR Section 2.3.2.3.2.	Basis for including the control room HVAC system in FSAR Section 2.3.2.3.2 was unclear when its safety classification was unspecified

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N033	<p>Revised the description of COL Item 9.5.2.5-1-A as it appears in DCD from a bulleted item to a parenthetical phrase within the bulleted item, and added COL Items 9.5.2.5-3-A, -4-A, and -5-A.</p> <p>Corrected FSAR 9.5.2.2 section title from "System Design Description" to "System Description."</p> <p>Clarified communication capabilities between Control Room or TSC and radiological field personnel, and ENS locations, in Emergency Plan.</p>	DCD Rev. 5.
N034	DCD Rev. 5, Section 9.5.4 requires the applicant to describe the material and corrosion protection for the underground portion of the fuel oil storage and transfer systems. FSAR Section 9.5.4.2 was revised to clarify that the only underground component in the fuel oil transfer system is carbon steel piping.	DCD Rev. 5.
N035a	DCD Rev. 5 revised the wording in paragraph 9.5.1.4 and corrected the capacity of the secondary fire water source that is required by NFPA 804. The FSAR was updated to incorporate these changes.	DCD Rev. 5.
N035b	LMAs were added to FSAR Figures 9.5-202 and 9.5-203.	The left margin annotations (LMAs) were missing from the figures.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N036	<p>DCD Rev. 5 revised the wording in DCD Section 9.2.1.2, changed DCD Table 9.2-1 for the tower fans from dual speed to adjustable speed and revised the minimum heat load for each tower to 90 MW in DCD Table 9.2-1. DCD Figure 9.2-1 was revised to switch the AOVs and MOVs for the RCCW and TCCW heat exchangers in the non-CDI ESBWR portion of the PSWS, delete the Division A and Division B tower return and PSWS flow elements, delete both tower return flow headers isolation AOVs, and revise the discharge of each PSWS pump to eliminate the isolation valves previously included with the automatic cleaning basket. The CDI portion of DCD Figure 9.2-1 was revised to reflect the elimination of air operated valves, the addition of Train A and B tower return flow elements, and the addition of flow elements for flow to the plant service water basin.</p> <p>FSAR Section 9.2.1.2, Table 9.2-201 and Figure 9.2-201 were revised to incorporate these DCD changes.</p>	DCD Rev. 5.
N041a	DCD Rev. 5 revised the DCD Chapter 2 site parameter values. FSAR Chapters 2 and 6 were revised to incorporate changes in DCD Rev. 5. The FSAR changes updated the on-site $\chi/Q$ values.	DCD Rev. 5.
N041b	DCD Rev. 5 revised the DCD Chapter 2 site parameter values. The FSAR was revised to address these changes.	DCD Rev. 5.
N041c	DCD Rev. 5 deleted Figure 2.3-201. The FSAR was revised to delete FSAR Figure 2.3-201 and to refer to DCD Rev. 5 Figure 2A-1 rather than FSAR Figure 2.3-201.	DCD Rev. 5.
N041d	DCD Rev. 5 revised the DCD Chapter 2 site parameter values. The FSAR was revised to update the evaluation of the impact of a postulated design basis accident (DBA) in Units 1 or 2 on the Unit 3 control room.	DCD Rev. 5.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N048a	FSAR Chapter 2 was revised to use the title of Appendix 2.5.4 AAS1 in the Table of Contents for Appendix 2.5.4 AA.	Format consistency.
N048b	FSAR Chapter 2 was revised to add Appendix 2.5.4 AAS2 to Appendix 2.5.4 AA.	Add supplemental information involving distribution coefficients ( $K_d$ ) laboratory test results.
N050a	The ER was revised to include hyperlinks.	Provide consistent electronic document functionality.
N050b	The ER was revised to provide consistent statements.	Provide consistent formatting of information in the ER.
N050c	Editorial change. See user instructions.	
N050d	The ER was revised to correct cross-references.	Cross-reference to another ER section was incorrect.
N054	The ER was revised to revise references and delete URLs.	Provide consistent formatting of references in the ER. Also, maintain identification of website sources while addressing issue of out-of-date URLs.
N057	Table 9.2-10 "CO2 Emissions of Natural Gas Technologies," was revised to indicate an emissions rate from 1,13 lb/MW-hrs to 1,135 lb/MW-hrs.	Correct numerical error.
N058a	Editorial change. See user instructions.	
N058b	FSAR Chapter 2 was revised to add LMAs to reference DCD COL Items.	The left margin annotations (LMAs) were missing from the page.
N061a	The ER was revised to reflect the status of IFIM study.	The original ER presented the status of the IFIM study at the time of submittal. The ER was revised to reflect updated IFIM status.
N061b	The ER was revised to change ER Table 2.3-1 to reflect a full year of lake water sample data and change limit of detection for 2,3,7,8 TCDD.	Full year of lake water sample data was available.
N061c	The FSAR and ER were revised to reflect a new value for the tallest structure in ER Section 3.6.1, ER Table 3.6-1, and FSAR Table 2.0-201 and provide clarification for structure height in FSAR Section 2.3.3.	DCD Rev. 5.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N061d	The ER was revised to reflect new average data for copper and tributyltin and other potential sources of copper.	Full year of lake water sample data was available.
N064	The ER was revised to address NRC request for information on additional property adjacent to the NAPS site.	Dominion's September 19, 2008 response to NRC environmental RAIs.
N065	FSAR Section 17.5 was revised to add the word "application" after ESP in the sentence "QA applied during the preparation of the ESP is described...."	Correct reference to the ESP application, rather than the ESP.
N066	Editorial change. See user instructions.	
N067	Editorial change. See user instructions.	
N069	The ER was revised to insert Table 9.2-4a, "Coal Combustion By-Products and Air Emission Parameters (1500 MWe)."	Dominion's July 17, 2008 response to the RAI for ER Section 9.2-1.
N070a	ER Tables 10.4-1 and 10.4-2 were revised.	Dominion's July 17, 2008 response to the RAI for ER Section 10.4-1. COLA ER Table 9.4-7
N072	ER Section 3.6.1 and ER Table 3.6-1 were revised to reflect new average data for copper and tributyltin and other potential sources of copper.	Full year of lake water sample data was available.
N075	FSAR Section 17.5 and Table 1.6-201 were revised to reference NEI Template 06-14A. Note that at the time this change was made the acceptance designators for NEI templates were only shown in Table 1.6-201, and not shown in the text of the FSAR.	The QAPD is based on NEI Template 06-14A and this should be indicated in the FSAR.
N079	The ER was revised to change the source term values for Design Basis Accidents in ER Tables 3.0-2 through 3.0-6 and revise the corresponding doses in ER Section 7.1.	DCD Rev. 5.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N080	DCD Rev. 5 changed the estimated gross electrical power output at rated power. FSAR 1.1.2.7 was revised to change the estimated gross electrical power output at rated power to 1594 MWe to incorporate the DCD Rev. 5 change.	DCD Rev. 5.
N081	FSAR Table 1.10-201 was revised to depict that FSAR Section 8.2.1.2.2 addresses COL Item 8.2.4-5-A and not FSAR Section 8.2.2.1.	The basis of this change was to correct an error.
N082	DCD Rev. 5 updated the cooling tower pond, construction zones, the plot plan background, as well as the change from a single to multiple vent stacks. FSAR Figure 2.1-201 and ER Figures 1.1-1 and 1.1-2 were revised to incorporate these DCD Rev. 5 changes.	DCD Rev. 5.
N083	DCD Rev. 5 changed "shutdown/refueling" to "shutdown/refueling/startup" and changed "pretreated source water storage tank" to "station water storage tank". FSAR Section 9.2.3.2 was revised to incorporate these changes.	DCD Rev. 5.
N092	DCD Rev. 5 added the Ancillary Diesel Generator Building. FSAR Chapter 2 was revised to incorporate this DCD Rev. 5 change. FSAR Table 2.2-202 was revised to add the diesel fuel storage tanks for the Ancillary Diesel Generator Building.	DCD Rev. 5.
N093	DCD Rev. 5 updated the plot plan to add the Ancillary Diesel Generator Building. FSAR Chapter 2 was revised to incorporate this DCD Rev. 5 change. FSAR Figure 2.0-205 was revised to use the updated plot plan. Also, the plant east coordinate for point 3 was corrected for the NAPS U1 and U2 grid.	DCD Rev. 5. Coordinate value shown incorrectly.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N094a	DCD Rev. 5 updated the plot plan to add the Ancillary Diesel Generator Building. FSAR Chapter 2 was revised to incorporate this DCD Rev. 5 change. FSAR Section 2.4 was revised to use the updated plot plan which revised the placement of Hot Machine Shop and added the Ancillary Diesel Generator Building.	DCD Rev. 5.
N094b	The FSAR was revised for grading changes that created additional drainage areas for the local intense precipitation runoff analysis.	Grading in the area of an existing well was changed to maintain the grade which results in revised drainage areas for the local intense precipitation runoff analysis.
N094c	The FSAR was revised to show 5 intake channel culverts instead of 4 intake channel culverts in the outer berm near the Unit 3 intake.	Culvert design was optimized for expected flows.
N095a	DCD Rev. 5 updated the plot plan to add the Ancillary Diesel Generator Building. Also, the Turbine Building seismic classification was changed to non-seismic. FSAR Chapter 2 was revised to incorporate these DCD Rev. 5 changes. FSAR Section 2.5 was revised to add the Ancillary Diesel Generator Building.	DCD Rev. 5.
N095b	FSAR Section 2.5 was revised to show that the Turbine Building is classified as non-seismic.	DCD Rev. 5.
N095c	FSAR Section 2.5 was revised to provide additional details on tunnels and fill materials in some figures.	Information was updated and the level of detail was increased in the FSAR figures.
N097	DCD Rev. 5 states a minimum CW inlet temperature of 5°C (41°F), while the NAPS minimum CW inlet temperature is actually 0°C (32°F) as correctly indicated in FSAR Table 10.4-3R. FSAR Section 10.4.5.5 was revised to remove incorporating the last paragraph in DCD Rev. 5 Section 10.4.5.5 by reference to correctly reflect the NAPS minimum CW inlet temperature of 0°C (32°F).	DCD Rev. 5.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N098	<ul style="list-style-type: none"> <li>• FSAR Section 1.2.2.16.10 was revised to delete the cold machine shop and warehouse and a note was added to Section 3.2 to indicate for NAPS CDI the site-specific plant design does not include the cold machine shop.</li> <li>• References to the cold machine shop and warehouse were removed from Appendix 9A.</li> <li>• Editorial changes were also made to correct numbering in Section 9A.</li> <li>• Departure NAPS DEP 9A1.1, that was added in response to RAI 09.05.01-17, was removed from FSAR Appendix 9A and the Departures Report (Part 07).</li> </ul>	<p>The cold machine shop and a separate warehouse are part of the conceptual design of the DCD, but Unit 3 will not have a cold machine shop or separate warehouse. Editorial.</p>
N099	<p>FSAR Figures 8.2-201 and 8.2-202 and ER Section 3.7.1 were revised to include a new bay to connect the new 500 kV line to the existing switchyard.</p>	<p>A new bay will be required to connect the new 500 kV Ladysmith line to the existing 500 kV switchyard, as opposed to connecting the line to an open position in an existing bay. The new bay is to be located on the north end of the 500 kV switchyard, with the new Ladysmith line exiting to the east.</p>
N100	<ul style="list-style-type: none"> <li>• FSAR Figure 9.2-202 was revised to delete the Potable Water System connection to the Turbine Building; to add a PWS connection to the Ancillary Diesel Building; to change the "Security Building" to "Guard House," "Intake Structure" to "Station Water Intake Building," and "Hot/Cold Machine Shop" to "Hot Machine Shop."</li> <li>• FSAR Figure 9.2-203 was revised to change "Security Building" to "Guard House," and "Hot Cold Machine Shop" to "Hot Machine Shop," and to delete the Sanitary Waste Discharge System connection to the Turbine Building.</li> </ul>	<p>DCD Rev. 5.</p>

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N101a	FSAR Section 9.5 and Appendix 9A were updated to reflect changes in the plant layout such as deletion of the Office Building and Cold Machine Shop, Station Water System design changes, site plot plan changes, etc.	These changes are made to reflect a design evolution unrelated to fire protection.
N101b	Editorial change. See user instructions.	
N101c	FSAR Section 9.5 was revised to show fire protection system changes.	Revisions to the fire protection system design were necessary as a result of station layout design changes.
N101d	FSAR Section 9.5 was revised to update the list of codes and standards applicable to fire protection.	Complete missing information.
N101e	FSAR Appendix 9A was revised to update the Fire Hazards Analysis for previously missing information, editorial corrections, and new fire areas based on DCD revision.	Complete missing information and DCD Rev. 5.
N101f	FSAR Chapter 9 figures were revised to add missing LMAs.	Complete missing information.
N102a	FSAR Table 1.6-201 was revised to delete NEI Template 07-11 and Section 12.2.2.4.2 was reworded consistent with the response to RAI 11.02-1.	The response to RAI 11.02-1 in Dominion letter NA3-08-051 dated June 30, 2008 removed NEI template from FSAR Section 11.2.1, but inadvertently did not update Table 1.6-201 to reflect the deletion or revise Section 12.2.2.4.2 for consistent wording.
N102b	FSAR Table 12.2-15R, Table 12.2-18aR, and Table 12.2-20aR were revised to add LMAs and be consistent with DCD Rev. 5 changes.	LMAs were missing and DCD Rev. 5.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N103a	<p>FSAR Chapter 13 was revised to 1) add component engineering and project engineering to the site engineering description, 2) change SNSOC to FSRC, 3) revise the description of corporate director of nuclear engineering position, 4) use the terms "functional manager," "supervisor," and "vice president" consistently, 5) relocate the description of the fire protection engineer, 6) re-sequence the functions under the operations department, 7) add description for the functional manager in charge of component engineering, and 8) correct the reporting relationship for the EPC executive in Appendix 13AA. Editorial corrections were also made.</p>	<p>Correct inconsistencies in the descriptions of construction and operating organizations. Editorial.</p>
N103b	<p>FSAR Figure 13.1-204 was revised to show that the functional manager of licensing under the VP of support services is located in the corporate offices, delete the functional manager of radiation protection, and add the SNS organization.</p>	<p>Correctly represent reporting requirements.</p>
N103c	<p>FSAR Figure 13.1-203 was revised to correct the reporting relationships.</p>	<p>The reporting relationships as depicted were incorrect.</p>
N105	<ul style="list-style-type: none"> <li>• Corrected Appendix 8 internal references</li> <li>• Changed NAPS ESP to ESPA</li> <li>• Defined North Anna Unit 3 as "Unit 3."</li> <li>• Revised references to DCD, FSAR, and ETE Report.</li> <li>• Under item II.J.11 of the NUREG-0654 criteria (Appendix 8 of the E-plan), added "Also see MD Plan."</li> <li>• Replaced Appendix 4 with the executive summary from ETE Revision 1.</li> </ul>	<p>Updated references based on review of document.</p> <p>The report refers to "the NAPS ESP." It should refer to the ESPA.</p> <p>Revised for consistency.</p> <p>Updated references throughout.</p> <p>Updated item II.J.11 of Appendix 8 of the E-plan to add MD Plan reference.</p> <p>Updated executive summary.</p>

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N114	<p>FSAR Figure 9.2-204 was revised to reflect several changes to the Plant Cooling Tower Makeup. Specifically, FSAR Figure 9.2-204 was revised to indicate that the PSWS basin stop gate is "normally open;" the PSWS basin makeup inlet and blowdown valves were changed to "motor operated control valves;" the circulating water basin makeup inlet valve and the circulating water system fill line valve were changed to control valves; the PCTMS underground piping was extended; the PSWS supply line connection was relocated; and, for each PCTMS pump, the strainer upstream of the pump minimum flow recirculation line was moved, the pump minimum flow recirculation line valves were changed to air operated control valves, and the pump minimum flow recirculation line orifice was deleted.</p>	Design evolution.
N115a	<ul style="list-style-type: none"> <li>• DCD Rev. 5 deleted COL Item 6.1-1-A which required deletion of information in Section 6.1.2.3. In the FSAR, the information in the "Conformance Evaluation" section of Table 1.9-203, Section C.III.1, 6.1.2 was deleted and replaced with "Conforms."</li> <li>• DCD Rev. 5 deleted DCD Section 6.2.6.5. In the FSAR, in the "Conformance Evaluation" section of Table 1.9-203, Section C.III.1, 6.2.6, the reference to DCD Section 6.2.6.1 through 6.2.6.5 was changed to end at 6.2.6.4.</li> <li>• DCD Rev. 5 deleted DCD Section 18.8.1(4). In the FSAR, in the "Conformance Evaluation" section of Table 1.9-203, the reference to DCD Section 18.8.1(4) was changed to DCD Section 18.13.3.</li> </ul>	DCD Rev. 5.
N115b	<p>In the FSAR, Table 1.9-201, SRP Section 17.4, the reference to DCD Section 17.6 was deleted. The words "in Section" were added before 17.6 because the reference 17.6 is for FSAR Section 17.6.</p>	Corrected section reference.
N115c	Editorial change. See user instructions.	

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N116	ER Section 4.3.1 was revised to include the results of a wetland delineation report for the NAPS-Ladysmith transmission corridor.	New wetland delineation report was available for the NAPS-Ladysmith transmission corridor.
N117	FSAR Section 12.2.2.4.4 and Table 12.2-203, and ER Section 5.4.2.3 and Table 5.4-6, were revised to reflect the increase in the bounding offsite dose contribution from the ISFSI from 1.7 mrem/yr to 3.6 mrem/yr.	The offsite direct dose contribution from the ISFSI (1.7 mrem/yr) was determined to be based on an interim configuration for spent fuel storage, but should be based on the bounding configuration.
N120	Section 14AA.2.2.10 was revised to equate "Independent Review Body (IRB)" with "Facility Safety Review Committee (FSRC)" and the acronyms list was revised to eliminate PORC, PSRC, and SNSOC and add FSRC. Part 5 was also revised for an editorial correction related to FSRC.	Facility Safety Review Committee (FSRC) is the term currently used at Dominion for the IRB.
N121a	The Policy and Quality Assurance Program Description, AR-NA-3 and AR-NA-30 respectively, were merged into a single document, Topical Report DOM-QA-2, "North Anna Unit 3 Quality Assurance Program Description" that incorporated the generic wording of industry template NEI 06-14, Revision 6, "Quality Assurance Program Description". FSAR Chapter 17 Appendices AA and BB were revised to incorporate these changes.	NEI Template 06-14 was approved by the NRC and incorporated into the FSAR.
N121b	FSAR Figure 13.1-201 was revised and Chapter 13 was updated to correct reporting responsibilities to conform to the construction organization in Figure 13.1-201.	Figure 13.1-201 was revised as part of incorporating NEI Template 06-14A. Corresponding Chapter 13 changes were made for consistency with the figure.
N121c	FSAR Figure 13.1-205 was added and the text in Section 13.1.1 updated to include a reference to the new figure.	Figure 13.1-205 was added to show the Corporate Structure.
N122a	FSAR Tables 2.2-202, 2.2-203, and 2.2-204 were revised to remove information on the Units 1 and 2 chemicals.	The information on Units 1 and 2 chemicals was removed from the Unit 3 FSAR because this information is contained in the North Anna Units 1 and 2 Updated Final Safety Analysis Report (UFSAR).
N122b	FSAR Table 2.2-202 was revised to provide updated values of quantities stored at Unit 3.	The values for the quantities stored were updated.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N123a	The ER was revised to include discussion in ER Section 5.4.2.3 of the addition of 1 mRem/yr to account for Units 1 and 2 doses due to direct radiation.	Dominion's August 4, 2008 response to RAI 12.02-2.
N123b	The distance from the ISFSI to the nearest residence was revised from 1030 m to 870 m in FSAR Section 12.2.2.4.4.	The distance from the ISFSI to the nearest resident was incorporated into FSAR Section 12.2.2.4.4 as 1030 m during the response to RAI 12.02-2. The distance was revised to be consistent with ER Section 5.4 and the NAPS ISFSI SAR. This change did not affect the MEI doses reported for the existing units in FSAR Table 12.2-203 in the RAI response because the dose rate from the ISFSI was based on the site boundary distance, which did not change.
N123c	The ER was revised to include discussion of gaseous effluent doses to MEI being greater than presented in the ESP-ER and clarify that annual gaseous and liquid effluent doses to population within 50 miles remains less than presented in the ESP-ER.	Dominion's April 28, 2008 response to RAI 12.02-1.
N124	The Part 1 Section, Estimate of Construction Costs, was revised to update the first two paragraphs and replace the remaining paragraphs with the table "North Anna Unit 3 Costs." The section titled Dominion Virginia Power's Source of Construction Funds was revised based on changes to the previous section. The table contains Proprietary Information to be withheld from public disclosure in accordance with 10 CFR 2.390(a)(4).	Dominion's October 10, 2008 response to RAI 01-1.
N126	ER Section 8.3 was revised to correct a reference to Table 8.3-1 and to insert reference to Figure 8.3-3.	Provide consistent formatting of information in the COLA ER.
N127	FSAR Table 1.9-204 was revised to add NERC Standards PRC-005-1, PRC-008-0, and PRC-017-0.	Dominion's July 28, 2008 response to RAI 08.02-8.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N129	FSAR Section 2.3.5.1, FSAR Table 2.3-15R, ER Section 2.7.6, and ER Table 2.7-1 were revised to incorporate updated receptor distances.	The response to RAI 12.02-2 committed to updating the COLA. There were source changes in DCD, Rev. 5 that resulted in revised doses.
N130R1	ER Table 3.0-1 was revised to reflect new doses to the MEI and add "depleted" or "undepleted" descriptions. Note 3 of Table 5.4-4 was revised for clarification. Editorial changes were also incorporated in Table 12.2-18bR.	New doses provided in the response to RAI 02.03.05-2 in Dominion letter NA3-08-116 dated October 17, 2008 needed to be reflected in the FSAR. Clarification and editorial.
N131a	<ul style="list-style-type: none"> <li>• FSAR Section 1.2.2.12.7 was added to describe the Plant Service Water System as it will operate for Unit 3.</li> <li>• FSAR Table 1.8-203 was revised to add Item 1.2.2.12.7 Plant Service Water System as "CDI in DCD" replaced with actual design.</li> </ul>	The basis for this change is DCD Section 1.2.2.12.7 which describes the PSWS for the Standard Plant. FSAR Section 1.2.2.12.7 was added and Table 1.8-203 revised to reflect the impact of replacing CDI with actual design in DCD Section 1.2.2.12.7.
N131b	Editorial change. See user instructions.	
N133	Part 01, Section 1 was revised to remove the reference to the specific DCD revision. Section (f)(1) was revised to remove the qualifier "most recent" from the referenced financial reports, and Section (k) was revised to remove the word "currently" and add the words "as of the date of the application" associated with the decommissioning funds.	The basis for this change is to make the information more general yet remain correct and applicable to obviate the need for revision of this section in future COLA submittals.
N134	ER Section 8.2 was revised to correct citations to references.	Provide consistent formatting of information in the COLA ER.
N135	<ul style="list-style-type: none"> <li>• Sections II.H.1 and II.H.2 of the Emergency Plan, were revised to replace the paragraphs that refer to the SPDS with paragraphs that refer to the Human-System Interface (HSI).</li> <li>• Line P.8 of Appendix 8 of Part 5 was revised to change the uppercase "I" to lower case (5 occurrences).</li> </ul>	<p>The Emergency Plan refers to the Safety Parameter Display System (SPDS). The ESBWR does not have an SPDS.</p> <p>For NUREG 0654 Evaluation criterion P.8 (Appendix 8), the plan page "i" is incorrectly stated as "I".</p>
N140	In FSAR Section 1.1.2.8 and ER Section 1.1.6, the key milestones and estimated schedule dates associated with completion of construction were revised.	The basis for this change is the publicly communicated milestones and dates.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
N141	FSAR Table 2.4-15R was revised to add a new note.	Added note explaining WP-3 "?" value.
N142a	ER Section 1.3.1 was revised to be consistent with changes in ER Table 3.0-2.	ESP-003 was issued.
N142b	Editorial change. See user instructions.	
N143	Editorial change. See user instructions.	
N144	<p>Part 3, Appendix 4A was revised to remove the lines and text from the bracketed space for the proprietary information to contain only white space.</p> <p>Part 01, Section 1 was revised to remove the reference to the specific ESP revision.</p>	<p>Provide consistent formatting of information in the COLA ER.</p> <p>The basis for this change is to make the information more general yet remain correct and applicable to obviate the need for revision of these sections in future COLA submittals.</p>
S001	Editorial change. See user instructions.	
S002	Editorial change. See user instructions.	
S003	DCD Tables 1.9-6 and 1.9-20 were revised to change the applicability of SRP 6.5.1 from "Not Applicable" to "Applicable," in response to DCD RAI 6.4-18. In FSAR Table 1.9-201 the SRP Section 6.5.1 Evaluation was revised to incorporate the DCD Rev. 5 change.	DCD Rev. 5.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S004	<ul style="list-style-type: none"> <li>• DCD Rev. 5 changed the title of COL Item 6.2-1-H in DCD Section 6.2.8. The FSAR was revised to change the title of COL Item 6.2-1-H in FSAR Table 1.10-201 and Section 6.2.8 to be consistent with title in DCD Section 6.2.8.</li> <li>• DCD Rev. 5 added additional tables (6.2-43, 44 and 45) that include the requirement for the COL Holder to provide pipe lengths from containment to the isolation valve; this is the subject of COL Item 6.2-1-H. DCD Rev. 5 also revised the first paragraph of DCD Section 6.2.4.2 to add a new 4<sup>th</sup> sentence regarding COL Item 6.2-1-H. FSAR Section 6.2.4.2 was revised to change the first sentence in the response to STD COL Item 6.2-1-H to reference DCD Tables 6.2-16 through 6.2-45 (not 6.2-42) as the tables that require an entry for the length of pipe from the containment to the inboard isolation valves.</li> </ul>	DCD Rev. 5.
S008	DCD Rev. 5 added Appendix 6F. Appendix 6F was added to the FSAR to incorporate the DCD Rev. 5 change.	DCD Rev. 5.
S009	DCD Rev. 5 added Appendix 6D. Appendix 6D was added to the FSAR to incorporate the DCD Rev. 5 change.	DCD Rev. 5.
S011	The supplemental information in FSAR Appendix 13BB was removed.	This change incorporates NEI Template 06-13A, Revision 1 and allows Appendix 13BB to be removed because NEI Template 06-13A was revised to include information regarding licensed operator training prior to commercial operation.
S012	DCD Rev. 5 added Appendix 12B. Appendix 12B was added to the FSAR to incorporate the DCD Rev. 5 change.	DCD Rev. 5.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S013a	<ul style="list-style-type: none"> <li>• FSAR Section 3.11 was revised to point to an enhanced DCD Rev. 5 description of the EQ Program in DCD Section 3.11.</li> <li>• FSAR Section 3.11, STD COL 3.11-1-A, was changed to address COL Item 3.11-1-A revision that required a “full description” of the EQ program, versus only a milestone for program implementation.</li> </ul>	<p>The basis for this change was in response to DCD RAI 3.11-4 S02 where GEH revised Section 3.11.2.2 to add a paragraph regarding COL Item 3.11-1-A. This change impacted the action statement for STD COLA FSAR Section 3.11.2.2. Subsequently, in response to DCD RAI 3.9-198, GEH revised Section 3.11 and renumbered DCD Section 3.11.2.2 to 3.11.4.4. Additionally, in response to DCD RAI 3.9-198, GEH revised COL Item 3.11-1-A to require that the applicant include a description of the environmental qualification (EQ) program. However, GEH additionally added a description of the EQ program to DCD Section 3.11. Therefore, for COL Item 3.11-1-A, STD COLA FSAR Section 3.11 needs only to point to the DCD for a description of the EQ Program.</p>
S013b	Editorial change. See user instructions.	
S014	Editorial change. See user instructions.	
S015	FSAR Section 13.7 was revised to remove references to a pending revision to 10 CFR 26.	A revision to 10 CFR 26 and an associated revision to NEI 03-01 were issued.
S016	Several LMAs were added and corrected in Chapter 9. Editorial changes were also made.	LMAs were incorrect or missing. Editorial.
S017	FSAR Figures 10.4-201, 10.4-202, and 10.4-203 were revised to add the proper LMAs of NAPS CDI.	LMA determined to be site-specific CDI.
S020a	FSAR Sections 1.1 and 1.1.1.7 were revised to reference departures.	Revised to provide consistent formatting.
S020b	Editorial change. See user instructions.	
S020c	FSAR Section 1.3 LMA was revised from STD SUP 1.3-1-A to NAPS COL 1.3-1-A.	LMA determined to be site-specific rather than standard.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S020d	FSAR Table 1.6-201 was revised to delete Topical Reports NEI 03-12 Appendix F and NEI 06-06.	Table 1.6-201 lists the referenced Topical Reports. Topical Reports NEI 03-12 Appendix F and NEI 06-06 were removed from the table because they are not incorporated by reference.
S020e	FSAR Table 1.8-203 was revised to add 9.3.11 Zinc Injection System as "CDI in DCD" replaced with actual design.	9.3.11 Zinc Injection System was mistakenly omitted during preparation of Table 1.8-203.
S021a	FSAR Section 1.9.3 LMA revised from STD SUP 1.9-1 to NAPS SUP 1.9-2.	LMA determined to be site-specific rather than standard.
S021b	Editorial change. See user instructions.	
S023a	FSAR Section 17.6.3 was revised to delete mention of the preventative maintenance program.	Clarify treatment of the Reliability Assurance Program (RAP).
S023b	The FSAR was revised to add a reference to the Initial Test Program implementation milestones and Operational QA Program implementation milestones.	This change was based on comments from various reviewers.
S023c	DCD Rev. 5 changed "power ascension testing" to "initial startup testing." The FSAR was revised to clarify treatment of startup test procedures.	DCD Rev. 5.
S023d	The FSAR was revised to change STD LMAs to site-specific LMAs.	LMAs were determined to be site-specific instead of standard.
S024	The Section column of FSAR Table 13.4-201 was revised to remove references 3.9.3.7.1(3)e from items 1 and 4, remove references 5.2.4 and 6.6 from item 2, remove reference 5.2.4 from item 6, and remove "DCD" from various items.	Title errors in RG 1.206 and the SRP followed through to the DCD. The title of 5.2.4 and 6.6 include the word "Testing," but the sections are actually about inspection. "DCD" is being removed from the Section column because it is sufficient to indicate the FSAR section that includes the program description.
S025	The FSAR was revised to remove Section 12.2 as a reference for COL Item 11.5-2-A, Offsite Dose Calculation Manual.	Section 12.2 does not refer to the ODCM.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S027	FSAR Section 12.3 was revised to remove LMA NAPS ESP VAR 12.2-2, correct dose rate units in Table 12.2-201, and correct the factor of 100 error to be uniform across Table 12.2-20bR (The table heading indicates dose rates in mrem/yr, but table values were in mSv/yr).	Changes made to correctly represent the data indicated.
S029	DCD Rev. 5 removed CDI for mobile SWMS. The FSAR was revised to delete reference to CDI in Section 11.2 and change "mobile" liquid and solid radwaste systems with "process" radwaste systems. FSAR Section 11.4.2.3 was revised to replace the discussion of design aspects of mobile SWMS with a discussion addressing testing, operations, and maintenance of SWMS. FSAR Chapter 1 tables were revised for conforming changes.	DCD Rev. 5 included the design information on the mobile SWMS in the scope of the DCD, rather than designating it as CDI.
S032	Editorial change. See user instructions.	
S034a	Editorial change. See user instructions.	
S034b	FSAR Section 4.2 was revised to delete STD COL 4.2.6.	The DCD does not contain a COL Item 4.2.6. DCD Section 4.2.6 only makes a statement that COL applicants will address changes to the reference design of the fuel assembly or control rods. Additionally, DCD Table 1.10-1 does not contain COL Item 4.2.6.
S035	DCD Rev. 5 revised Section 9.5.1.12 to include the information that was in STD SUP 9.5.1-2, reworded Section 9.5.1.12, and revised Section 9.5.1.15.3 to be a COL action item (NAPS COL 13.1-1-A) describing fire protection training and fire brigade staffing. The FSAR was revised to remove STD SUP 9.5.1-2, update Section 9.5.1.12, add Section 9.5.1.15.3 and insert "9.5.1.15.3" in Section 13.1.4 indicating where COL item 13-1-1-A is addressed. Table 1.10-201 was also revised to include Section 9.5.1.15.3 and Appendix 13AA for COL 13.1-1-A.	DCD Rev. 5 and inadvertent omission of Appendix 13AA from Table 1.10-201.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S036	DCD Rev. 5 added two ancillary diesel generators and associated fuel oil storage and transfer systems and COL Item 9.5.4-1-A was revised to include both the standby DGs and the ancillary DGs within its scope. FSAR Section 9.5.4.2 was revised to add topic headers "Standby Diesel Generators" and "Ancillary Diesel Generators" under "Detailed Design Description" and associated descriptive text.	DCD Rev. 5.
S037	DCD Rev. 5 added a second paragraph to DCD Section 3.7.2.8. The C action statement in FSAR Section 3.7.2.8 was revised to incorporate this DCD Rev. 5 change.	DCD Rev. 5.
S038	DCD Rev. 5 added Appendix 6H to Chapter 6. FSAR Chapter 6 was revised to add DCD Appendix 6H to incorporate the DCD Rev. 5 changes.	DCD Rev. 5.
S039	<p>DCD Rev. 5 was revised to add COL Item 10.2-1-A for the applicant to provide a description of the plant specific turbine maintenance and inspection program and to revise COL Item 10.2-2-A for an evaluation of the probability of turbine missile generation.</p> <p>The FSAR was revised to add new COL Item 10.2-1-A to provide a description of the plant specific turbine maintenance and inspection program required to satisfy the Original Equipment Manufacturer's turbine missile generation probability calculation and to revise COL item 10.2-2-A to permit bounding property values to be used in the evaluation of the turbine missile probability analysis until actual material test specimens are available for testing.</p>	DCD Rev. 5.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S040	<p>DCD Rev. 5 revised COL Item Numbers 9.1.6-4-A and 9.1.6-5-A to 9.1-4-A and 9.1-5-A, respectively, and added statements in Section 9.1.1.7 stating that the applicant shall describe fuel handling operations programs.</p> <p>FSAR Table 1.10-201 and the Chapter 9 sections associated with COL Items 9.1-4-A and 9.1-5-A were updated and FSAR Section 9.1.1.7 was added to address the DCD fuel handling operations programs changes.</p>	DCD Rev. 5.
S041	DCD Rev. 5 changed COL Item 9.2.5-1-A from a COL applicant item to a COL holder item 9.2.5-1-H. The FSAR was revised to reflect this DCD change.	DCD Rev. 5.
S043	The FSAR was revised to correct the units of conductivity.	The basis for this change is to correctly state the units for conductivity that were incorrectly stated as Siemens instead of micro Siemens/cm ( $\mu\text{S/cm}$ ).
S044a	DCD Rev. 5 added COL 14.2-1-A, COL 14.2-5-A, renumbered Section 14.2.10 COL Items, and changed the titles of Section 14.2.2.1 and COL Item 14.3-1-A. FSAR Section 14.2.10 and Table 1.10-201 were revised to include the new COL items, renumber COL items consistent with the DCD, and correct Section and COL Item titles.	DCD Rev. 5.
S044b	LMAs were added to indicate the COL Item addressed by the write-up.	LMAs need to indicate the COL Item being addressed by the write-up in the associated section.
S046	<ul style="list-style-type: none"> <li>• FSAR Table 1.9-202, RG 1.29 was revised from Rev.4 to Rev.3 with the exception as described in DCD Tables 1.9-21, 1.9-21a, and 1.9-21b.</li> <li>• FSAR Table 1.9-202, RG 4.15 was revised from Rev. 2 to Rev. 1 with the explanation added in the Conforms section.</li> </ul>	<p>For RG 1.29, the commitment is changed from Rev. 4 to Rev.3 because the QAPD is based on NEI 06-14A, which invokes Rev. 3 of RG 1.29.</p> <p>For RG 4.15, the commitment is changed from Rev. 2 to Rev.1 because the ODCMs for the operating units are based on RG 4.15, Rev. 1.</p>

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S048	<ul style="list-style-type: none"> <li>• DCD Rev. 5 changed COL Item 3.10.1-4-A to require the COL applicant to submit an implementation schedule for seismic and dynamic qualification versus providing a milestone for completing the Dynamic Qualification Report (DQR). FSAR Section 3.10.1.4 was revised to provide additional detailed schedule information to incorporate the DCD Rev. 5 change.</li> <li>• DCD Rev. 5 changed the title of DCD Section 3.10.4. The COLA FSAR Section 3.10.4 was revised to change the title of FSAR Section 3.10.4 to incorporate the DCD Rev. 5 change.</li> </ul>	DCD Rev. 5.
S049	Editorial change. See user instructions.	
S051	FSAR Section 6.1 and Table 1.10-201 were revised to delete reference to COL Item 6.1.3-1-A. This COLA item was deleted in DCD Rev. 5.	DCD Rev. 5.
S052	<p>FSAR Section 6.6 and Table 1.10-201 were revised to add STD COL Item 6.6-2-A.</p> <p>FSAR Section 6.6.2 was revised to add the last paragraph for discussion of controls to ensure accessibility for PSI and ISI NDE.</p> <p>FSAR Section 6.6.7 was revised to provide description of augmented inservice inspection program, flow accelerated corrosion program. (FSAR Sections 6.6.7.1.4, 6.6.7.1.5, 6.6.7.1.6 and 6.6.7.1.7 added).</p>	<p>The FSAR was revised in response to two main items, RAIs from NRC RAI Letter No.006 and the addition of new COL Item 6.6-2-A in response to DCD RAI Response 5.2-6.</p> <p>Dominion's July 14, 2008 response to RAIs 10.03.06-1, 10.03.06-2 and 14.02-1.</p>

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S053	<p>The following FSAR changes were made to address DCD and other related changes to Section 3.9 involving IST:</p> <p>FSAR Sections 3.9.6 was changed to address the expanded scope of COL Item 3.9.9-3-A, per DCD Section 3.9.6.1.5. Specifically, DCD Section 3.9.6.1.5, Item (1), now requires the COL applicant to “consider the guidance in NRC Regulatory Issue Summary 2000-03, which incorporates lessons learned from MOV analyses and tests in response to Generic Letter 89-10 ... in the IST program description,” versus only providing a milestone for IST program implementation.</p> <p>FSAR Section 3.9.3.7.1(3)e, STD COL 3.9.9-4-A, and 3.9.3.7.1(3)f were revised to address COL Item 3.9.9-4-A revision to require a “full description” of the snubber inspection and test program, versus only a milestone for program implementation.</p> <p>FSAR Section 3.9.6, STD COL 3.9.9-3-A, was revised to address COL Item 3.9.9-3-A revision to require a “full description of the in-service inspection program,” versus only a milestone for valve in-service inspection program implementation.</p> <p>FSAR Section 3.9.6 and Table 13.4-201 were revised to delete reference to motor operated valves.</p>	<p>DCD Rev. 5.</p> <p>FSAR Table 13.4-201 should accurately represent all items indicated in the table.</p>
S056	<p>FSAR Section 17.6.3 was revised to remove incorrect cross-referenced sections for the ISI and IST programs.</p>	<p>Cross-referenced sections for the ISI and IST programs were not correct.</p>

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S057	DCD Rev. 5 changed the title of Section 11.5.4.7 and changed the section to refer to each installed process monitor. DCD Rev. 5 also included COL items in the footnotes of Tables 11.5-2 and 11.5-4. The FSAR was revised to change the title of Section 11.5.4.7, add a paragraph to state that process monitor setpoints are calculated via written procedure since the ODCM does not address process radiation monitors, revise the footnotes for Tables 11.5-2 and 11.5-4. FSAR Table 1.10-201 was also revised to accommodate revising the footnote and to include Table 11.5-201 for COL Item 11.5-3-A.	DCD Rev. 5.
S058a	FSAR Chapter 13 was revised to change STD SUPs 13.5-10, 13.5-11, 13.5-22, and 13.5-24 to NAPS SUPs, add STD COL 13.5-2-A under LMA STD SUP 13.5-32, and change STD COL 13.5-4-A to NAPS COL 13.5-4-A.	Several NAPS SUPs are shown as STD SUPs, STD SUP 13.5-32 should also be labeled STD COL 13.5-2-A, and NAPS COL 13.5-4-A is shown as a STD COL.
S058b	The text under FSAR Section 13.5.2.2.6.5 was replaced with "This topic is discussed in Section 9.1.5.8."	The text in Section 13.5.2.2.6.5 is redundant to the text in Section 9.1.5.8.
S058c	Editorial change. See user instructions.	
S060	DCD Rev. 5 deleted COL Information Item 3.6.5-1-A, "Pipe Break Analysis Results and Protection Methods." FSAR Section 3.6.2.5 was deleted along with FSAR Section 3.6.5, "COL Information." COL Item 3.6.5-1-A was removed from FSAR Table 1.10-201.	DCD Rev. 5.  The required information previously identified in COL Item 3.6.5-1-A will be provided in a pipe break evaluation report that will be completed in conjunction with closure of ITAAC 3.1-1. The COL Item was redundant and unnecessary and therefore, deleted.
S061	DCD Rev. 5 added statements in Sections 12.1.1.3 and 12.1.3 that require COL applicants to address COL items 12.1-1-A, 12.1-2-A, 12.1-3-A and 12.1-4-A. The FSAR was revised to add supplements to address these ALARA COL Items.	DCD Rev. 5.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S063	DCD Rev. 5 added COL Item 5.2-3-A, revised COL Item 5.2-1-H to 5.2-1-A, and contains a parenthetical statement referencing COL Item 5.2-2-H in DCD Section 5.2.5 that needs to be deleted. FSAR Sections 5.2.4, 5.2.5, and 5.2.6 and Table 1.10-201 were revised to address the DCD changes. The title of Section 5.2.4.11 was also revised to be consistent with the DCD.	DCD Rev. 5.
S065	<ul style="list-style-type: none"> <li>• FSAR Chapter 14 was revised to incorporate by reference DCD Appendix 14.3A.</li> <li>• FSAR Section 14.3A.1 and Table 1.10-201 were revised to address COL Item 14.3A-1-1.</li> </ul>	The response to DCD RAI 14.3-210 resulted in the addition of Appendix 14.3A to the DCD. Appendix 14.3A.1 includes COL Item 14.3A.1-1 for each COL Applicant to provide a Design Acceptance Criteria ITAAC closure schedule in the COL application and to identify whether the standard approach will be used.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S067a	<p>The Technical Specifications and Bases were revised to incorporate DCD Rev. 5 and to address COL Applicant and Holder Items not addressed in Rev. 0. Specifically, the following new applicant and holder items were addressed:</p> <ul style="list-style-type: none"> <li>• Flexibility for Slow Control Rod Scram Times</li> <li>• Pressure and Temperature Limits Report (PTLR)</li> <li>• Annual Radiological Environmental Operating Report Format</li> <li>• Additional Core Operating Limits for COLR</li> <li>• Response Time Testing</li> <li>• Minimum and Nominal Control Rod Scram Accumulator Pressure</li> <li>• Allowable Values</li> <li>• Minimum SRNM Count Rate</li> <li>• Acceptance Criteria for Battery Charger Testing</li> <li>• Acceptance Criteria for Verification of Fully Charged Battery</li> <li>• Modified Performance Test for Verification of Battery Capacity</li> <li>• Battery Cell Parameters</li> <li>• Battery Margin for Aging Factor and State of Charge Uncertainty</li> <li>• Setpoint Control Program Methodology and Implementation</li> <li>• Ventilation Filter Testing Program (VFTP) – CRHAVS EFU Differential Pressure Acceptance</li> </ul>	DCD Rev. 5.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S067b	Exemption requests were added for eliminating the expected minimum accumulator pressure value in the Bases for SR 3.1.5.1 and for the additional discussion added to the Bases for SR 7.3.2 related to the assumptions used in the determination of the bounding value for CRHA emergency filtration unit differential pressure.	Exemption requests were required.
S068	DCD Rev. 5 added appendices to Chapter 6. FSAR Chapter 6 was revised to add DCD Appendices 6E, 6G, and 6I to incorporate the DCD Rev. 5 changes.	DCD Rev. 5.
S069	FSAR Table 1.9-203 was revised to add Positions C.III.1, 5.4.3 through C.III.1, 5.4.13.	Positions C.III.1, 5.4.3 through C.III.1, 5.4.13 were inadvertently omitted during preparation of Table 1.9-203.
S070a	DCD Rev. 5 indicated that changes to design of control rods (in addition to changes in design of fuel and core design) must be addressed by the COL applicant. The COLA was revised to change "fuel or core design" to "fuel, control rod, or core design."	DCD Rev. 5.
S070b	DCD Rev. 5 placed COL Item 4.3-1-A in section 4.3.3.1. The COLA was revised to add FSAR Section 4.3.3.1 and revise the action statement.	DCD Rev. 5.
S070c	Editorial change. See user instructions.	
S070d	FSAR Table 1.10-201 was revised to correct the sections referred to by COL Items 4.3-1-A and 4A.1.	FSAR Table 1.10-201 incorrectly indicated the FSAR sections for these COL Items.
S073	The FSAR was revised to add Section 5.3.1.5 to address a COL applicant action statement that was added to the text of DCD section 5.3.1.5 in Rev. 5. While there is no COL Item in the DCD Section 5.3.4 related to this statement, the COL item in Table 16.0-1-A for Tech Specs 3.4.4 is being used as the reference COL item for this change.	DCD Rev. 5.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S074	<p>DCD Rev. 5 changed the applicability of RG 1.40 in DCD Table 1.9-21, from “No. No continuous duty pumps in containment for ESBWR” to “Yes. Applies to PCCS vent fans only.” FSAR Table 1.9-202 was revised to change the evaluation for RG 1.40 since RG 1.40 applies only to design aspects within the scope of the DCD.</p> <p>DCD Rev. 5 corrected the title of RG 1.136 in Table 1.9-21 to “Design Limits, Loading Combinations, Materials, Construction, and Testing of Concrete Containments.” FSAR Table 1.9-202 was revised to correct the title of RG 1.136 to incorporate the DCD Rev. 5 change.</p>	DCD Rev. 5.
S075	<p>DCD Rev. 5 deleted the parameter “Normal Power Heat Sink cold water temperature range” since it was confusing and revised the “Maximum CIRC temperature for 100% turbine bypass capability, °C (°F)” to clarify the circulating water requirements to support turbine bypass system operation.</p> <p>The FSAR was revised to delete the parameter “Normal Power Heat Sink cold water temperature range” and revise the parameter “Maximum CIRC temperature for 100% turbine bypass capability, °C (°F)” to “Maximum CIRC temperature to accommodate the bypass flow resulting from a turbine trip, 100% load reject, or island mode, in conjunction with the power reduction resulting from SRI/SCRRI function, °C (°F).”</p>	DCD Rev. 5.
S076	DCD Rev. 5 revised the title of COL Item 12.5-2-A. FSAR Section 12.5.4 and Table 1.10-201 were revised to change the title of COL Item 12.5-2-A to “Compliance with 10 CFR Part 50.34(f)(2)(xxvii) and NUREG-0737 Item III.D.3.3.”	DCD Rev. 5.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S077	DCD Rev. 5 changed the Title of DCD Section 1.3.1 to "COL Information." FSAR Section 1.3.1 was revised to change the title to "COL Information" to incorporate the DCD change.	DCD Rev. 5.
S078	DCD Rev. 5 added ten new COL items to Section 13.6. FSAR Section 13.6 and Table 1.10-201 were revised to address the new COL items.	DCD Rev. 5.
S079	DCD Rev. 5 clarified that conformance to RG 1.93 only applies to DC systems. FSAR Table 1.9-201, Conformance Evaluation for SRP 5.4.13, II.4, and FSAR Table 1.9-202, Conformance Evaluation for RG 1.93, were revised to clarify that RG 1.93 is only applicable to DC power systems.	DCD Rev. 5.
S083	DCD Rev. 5 added new COL Holder Item 18.13-1-H. FSAR Sections 18.13.3 and 18.13.5 and Table 1.10-201 were revised to address new COL Holder Item 18.13-1-H.	DCD Rev. 5.
S084	DCD Rev. 5 added two new paragraphs to DCD Section 1.2.2.16.10. FSAR 1.2.2.16.10 was revised from "Replace the third paragraph with the following" to "Replace the fifth paragraph with the following" to incorporate the DCD Rev. 5 change.	DCD Rev. 5.
S085	DCD Rev. 5 changed COL Item 17.4-1-A to 17.4-1-H. FSAR Sections 17.4 and 17.6 and Table 1.10-201 were revised to address the COL Item change.	DCD Rev. 5.
S086	DCD Rev. 5 changed the title of COL Item 14.3-1-A and added a new COL applicant statement to the first paragraph of DCD Section 14.3.9. The action statement in FSAR Section 14.3.9 was revised, the title of COL Item 14.3-1-A in FSAR Section 14.3.10 was revised, and Section 14.3.8 was revised to define EP-ITAAC.	DCD Rev. 5.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S087	DCD Rev. 5 rearranged paragraphs in Section 13.3. The FSAR was revised to incorporate these changes.	DCD Rev. 5.
S089	Section 10.4.5.6 was revised to add a section title above the text inserted for RAI response 10.04.05-2 and NAPS CDI was added as an LMA.	Title was inadvertently omitted from the RAI response and the LMA was missing.
S090	Editorial change. See user instructions.	
S091	<ul style="list-style-type: none"> <li>• FSAR Table 1.10-201, Item No. 5.2-1-A and FSAR 5.2.6 were revised to add FSAR Sections 5.2.4.3.4, 5.2.4.6, and 6.6.</li> <li>• FSAR Section 5.2.4.3.4 was revised to correct the LMA from 5.2-1H to 5.2-1-A and to correct the CFR citation from 10 CFR 50.55a(b)(92)(xviii) to 10 CFR 50.55a(b)(2)(xviii).</li> <li>• FSAR Section 5.2.4.6 was revised to correct the LMA from 5.2-1H to 5.2-1-A.</li> </ul>	Corrections to errors in the FSAR markups provided with Dominion's August 12, 2008 response to RAIs 05.02.04-3 and 05.02.04-3.
S092	DCD Rev. 5 revised the last paragraph in DCD Section 6.4.5 and COL Item 6.4-2-A. FSAR Section 6.4.5 was revised to delete the last paragraph of DCD Section 6.4.5, i.e., the last paragraph of DCD Rev. 5 will not be incorporated by reference in the FSAR.	DCD Rev. 5.
S093	DCD Rev. 5 added the words "sampling and analytical" to "frequencies" in Section 11.5.4.9. This is consistent with NEI Template 07-09 (ODCM Program Description) which addresses the sampling and analysis frequencies for radioactive gaseous and liquid waste. FSAR Section 11.5.4.9 was revised to incorporate this change.	DCD Rev. 5.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S094a	<ul style="list-style-type: none"> <li>• FSAR Table 1.9-202, RG 1.8 Regulatory Position C.2, Evaluation was revised to add an exception to NQA-1.</li> <li>• FSAR Table 1.9-204 was revised to change the applicable year for NQA-1 1994 and revise the title.</li> </ul>	<p>RG 1.8, Rev 3 references NQA-1-1983 and NQA-1-1989. The NAPS QAPD is based on NEI Template 06-14A which uses NQA-1-1994. RG 1.8, Rev 3 Regulatory Positions C.211 and C.2.12 state that the RG does not endorse NQA-1-1989. A review of Supplements 2S-1, 2S-3, and Appendix 2A in NQA-1-1983 and NQA-1-1994 reveal only minor editorial differences. Therefore, an exception is being taken to RG 1.8, Rev 3 Regulatory Position C2 for compliance with NQA-1-1994 rather than NQA-1-1983. This eliminates the need for multiple versions of NQA-1 to be applicable.</p>
S094b	<p>FSAR Table 1.9-202 was revised to delete "Section 1.1.3" in the Evaluation column.</p>	<p>Appendix 13BB was revised to delete the text, including Section 1.1.3, to incorporate NEI 06-13A by reference.</p>
S098	<p>DCD Rev. 5 changed COL Item 12.3-3-A to a "holder" (H) item. FSAR Section 12.3.1.3 LMA, Section 12.3.7, and Table 1.10-201 were revised to change STD-COL 12.3-3-A to 12.3-3-H.</p>	<p>DCD Rev. 5.</p>
S099	<p>DCD Rev. 5 added Section 12.2.1.5 and COL Item 12.2-4-A related to other contained sources. The FSAR was revised to replace the incorporated by reference text of the DCD with the text already included in the FSAR related to other contained sources topic, add an associated LMA, and address the related COL Item.</p>	<p>DCD Rev. 5.</p>
S100	<p>Editorial change. See user instructions.</p>	

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S101	DCD Table 1.9-20, Table 1.9-8, Section 8.1.5.2.4, and Section 9.5.4.1 discussed applicability of BTP ICSB 8, safe shutdown without AC power, that the diesel-generator sets are not safety-related, and a fuel oil storage tank sufficient to support continuous SDG operation for a minimum of 7 days. FSAR Table 1.9-201, BTP 8-2 Evaluation, was changed from "Not applicable. The ESBWR will not use the non-safety related diesel generators as peaking units." to "Not applicable. The ESBWR can achieve safe shutdown without AC power, and the diesel-generator sets are not safety-related. Therefore, this BTP is not applicable."	DCD Rev 5.
S107	The title and revision of NEI 07-10 was corrected in FSAR Table 1.6-201 and Sections 11.4.2.3.5 and 11.4.7.	Revision 1 of NEI 07-10, indicated in the COLA, needed to be updated to the latest revision, revision 2.
S109	FSAR Table 13.4-201 was revised to delete the reference to the Construction Test Program.	A Construction Test Program does not exist and is not required. Construction testing is performed as required by the regulations and discussed in DCD Rev. 5.
S110	Editorial change. See user instructions.	
S111	The FSAR was revised to update the turbine model number.	This change is a result of GEH changing the model number of the turbine to be used in ESBWRs.
S115a	DCD Rev. 5 replaced COL Item 16.0-1 with COL 16.0-1-A and 16.0-2-H.  FSAR Chapter 16 and Table 1.10-201 were revised to incorporate the new COL Items.	DCD Rev. 5.
S115b	Editorial change. See user instructions.	
S115c	FSAR Appendix 12BB was revised to address bracketed text in the first paragraph of NEI Template 07-03, Section 12.5.4.12 with a reference to Section 17.5.	Bracketed text in NEI templates are required to be addressed by the applicant.

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S117	FSAR Section 6.6.7.1.3 (regarding FAC program) was revised to clarify that the term "initial inspections" is in fact the "preservice inspections" discussed in Section 6.6.7.1.	Discussions with the NRC staff regarding the NAPS responses to RAIs 10.3.6-1 and 10.3.6-2 determined that a clarification to the term "initial inspections" in FSAR 6.6.7.1.3 was necessary. Dominion response to NAPS RAI 10.03.06-2 incorporated the initial change to the FSAR.
S119	<p>FSAR Section 5.3.1.8 was revised and Table 5.3-201 was added to include additional information regarding the reactor material surveillance program provided in the NAPS response to RAI 05.03.01-1.</p> <p>FSAR Section 5.3.1 was revised to incorporate NAPS RAI response 5.3.1-1.</p>	<p>The NAPS response to RAI 05.03.01-1 provided additional information regarding the reactor material surveillance program, but did not include this information in the FSAR. NRC staff informed Dominion that this information should be included in the FSAR.</p> <p>Additionally, NRC staff indicated that they want the text of the response incorporated into the FSAR.</p>
S120	DCD Rev. 5 changed the title of Section 11.4.1, deleted the subheading "SWMW Bases" under Section 11.4.1, changed the title of Section 11.4.2.3.5, and changed the title of COL Item 11.4-1-A. FSAR Chapter 11 was revised to incorporate these changes. Table 1.10-201 was also changed to correctly identify the section where COL Items 11.4-1-A, 11.4-2-A, and 11.4-3-A are addressed.	DCD Rev. 5.
S121	Note 1 in FSAR Table 11.5-201 was revised to refer to Table 11.5-201 instead of Table 11.5-5.	Section 11.5 says to replace text references to DCD Table 11.5-5 with Table 11.5-201.
S122	Editorial change. See user instructions.	
S123	Editorial change. See user instructions.	

## NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S124	<p>FSAR Section 5.2.5.9 was revised to add a sentence that had been deleted during the Draft Revision 1 stage.</p>	<p>In response to RAI 05.02.05-1, the NRC states that the applicant revised STD COL 5.2.2-H and deleted a sentence regarding a commitment for the implementation schedule from the original text. The sentence reads "a description of the plant procedures program and implementation milestones are provided in Section 13.5." Deleting this sentence is not acceptable to the staff - and the issue becomes an Open Item. It is possible that the applicant inadvertently deleted the sentence, and the open item can be resolved by revising the RAI response to restore the missing sentence.</p>
S126	<p>FSAR Section 3.9.6.8 was revised to change the last sentence of the third bullet to add the words, "or operating experience," so as to include operating experience as an additional basis to perform periodic dynamic testing.</p> <p>FSAR Section 3.9.6.8 was revised to insert a new paragraph (last paragraph of section 3.9.6.8),</p> <p style="padding-left: 40px;">"The attributes of the AOV testing program described above, to the extent that they apply to and can be implemented on other safety-related power-operated valves, such as electro-hydraulic valves, are applied to those other power-operated valves."</p>	<p>These changes address feedback from NRC reviewers regarding the response to NA3 RAI 03.09.06-3 provided in Dominion letter NA3-08-092R dated September 11, 2008.</p>
S127a	<p>DCD Rev. 5 deleted Appendix 3E. The FSAR was revised to delete the reference to Appendix 3E to incorporate the DCD change.</p>	DCD change
S127b	Editorial change. See user instructions.	
S128a	<p>FSAR Section 9A.5.12 was revised to add a sentence to advise that the FSAR will be revised with the information committed to in COM 9A.7-004 (COM 9A.7-004 is described in the preceding paragraph).</p>	Clean up based on review of the COLA.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S128b	FSAR Table 9A.5-7 Revisions was revised to add a line item to show the deletion of Fire Area F7500.	DCD Rev. 5.
S128c	FSAR Table 9A.5-7 Departure was revised to remove "Delete Fire Area F7500" and the associated LMA.	DCD Rev. 5.
S128d	FSAR Section 14AA.2.2.10 was revised to replace the sentence describing the Independent Review Body and how it is referenced.	The application uses several terms for the plant safety committee, including PORC, SNSOC, and PSRC. Facility Safety Review Committee (FSRC) is the term currently used at Dominion for the IRB.
S128e	FSAR Table 2.5-213, Note 2, was revised to refer to DCD Table 2.0-1, Note 1 and not to DCD Section 12.2.1.4.	DCD Rev. 5.
S128f	FSAR Section 1.1.17 was changed to correctly refer to DCD Rev. 5	DCD Rev. 5.
S128g	FSAR Table 1.9-202 was revised to address the latest revision of the RGs 1.26 and 1.29 and to correct the conformance statements which were no longer accurate.	Changes made to be consistent with current revisions of Regulatory Guides.
S128h	<ul style="list-style-type: none"> <li>• FSAR Section 1.1.2.1 was revised to renumber the LMA from NAPS SUP 1.1-3 to NAPS SUP 1.1-2.</li> <li>• FSAR Section 1.1.2.2 was revised to renumber the LMA from NAPS SUP 1.1-4 to NAPS SUP 1.1-3.</li> <li>• FSAR Section 1.1.2.4 was revised to renumber the LMA from NAPS SUP 1.1-7 to NAPS SUP 1.1-4.</li> </ul>	The basis for this change is to be consistent with guidance for numbering LMAs.

### NORTH ANNA UNIT 3 COLA REVIEWER'S AID CHANGE SUMMARY TABLE

Change ID	Summary of Change	Basis for Change
S130	<p>Part 5, Emergency Plan Appendix 1, Section 5.7 Notes (NA3 page A1-A3; GGNS page A1-A3) were revised to delete an incorrect reference, "(See Sections 3.4 and 3.8)."</p> <p>Part 10, Table 2.3-1 at the bottom of the EP Program Elements column for 1.1 was revised to correct an incomplete reference. The reference, "COL EP II.D.1, Appendix" was changed to "COL EP II.D.1, Appendix 1."</p> <p>Part 10, Table 2.3-1 at the end of the first paragraph of the ITA column for 1.1 was revised to correct a reference. The reference, "(Reference Appendix 1, Section 5, Emergency Plan)" was changed to, "COL EP Appendix 1."</p>	Updated references based on review of document.