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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Units 3 and 4
Report of 10 CFR 50.59 Changes, Tests and Experiments and
10 CFR 52 Appendix D Departure Report

Ladies and Gentlemen:

This submission is made with regard to the Vogtle Electric Generating Plant (VEGP), Units 3 and 4, Combined License (COL) numbers NPF-91 and NPF-92, in accordance with the reporting requirements of 10 CFR 50.59(d)(2) and 10 CFR 52, Appendix D, paragraphs X.B.1 and X.B.3.b.

For the period of November 11, 2017 through May 10, 2018, there were no changes, tests or experiments made pursuant to paragraph (c) of 10 CFR 50.59.

Enclosure 1 provides the report containing a brief description of plant-specific departures, including a summary of the evaluation of each, as required by 10 CFR 52, Appendix D, paragraphs X.B.1 and X.B.3.b, for the period of November 11, 2017 through May 10, 2018.

This letter contains no regulatory commitments. This letter has been reviewed and determined not to contain security-related information.

Should you have any questions, please contact Ms. Jerri Byers at (205) 992-5742.

Respectfully submitted,

Brian H. Whitley
Director, Regulatory Affairs
Southern Nuclear Operating Company

BHW/JDB/ljs

Enclosure 1: VEGP Units 3 and 4, Departure Report for the Period of November 11, 2017 through May 10, 2018

cc:

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Southern Nuclear Operating Company

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Enclosure 1

VEGP Units 3 and 4

**Departure Report for the Period of
November 11, 2017 through May 10, 2018**

(57 pages, including this cover page)

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Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2015-107	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	96
		Unit 4 Amendment No.:	95

Departure Title: Addition of Two Turbine Building Sump Pumps (LAR-15-019)

Brief Description of the Plant-Specific Departure:

One additional Turbine Building sump pump is added for each of the two Turbine Building main sumps.

This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), and associated COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 information, associated COL Appendix C ITAAC, and Tier 2 information in the UFSAR, which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-15-019) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 96 and 95 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

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Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

Departure Number: LDCR-2015-108 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Use of Crushable Pipe for Pipe Whip Restraint Design

Brief Description of the Plant-Specific Departure:

Changes are made to the design of pipe whip restraints to replace the energy-absorbing honeycomb design with crushable pipe as an energy-absorbing material.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

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Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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Departure Number: LDCR-2015-124 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Clarification of Combined License Information in the VEGP 3&4 UFSAR

Brief Description of the Plant-Specific Departure:

Changes are made to restore information from the AP1000 DCD, Revision 19, not retained during the DCD/COLA FSAR integration.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

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Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2015-129	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Miscellaneous Editorial and Consistency Changes Associated with
Regulatory Guide 1.59 & Regulatory Guide 1.190

Brief Description of the Plant-Specific Departure:

Changes are made to resolve inconsistencies with cross references and conformance statements associated with Regulatory Guides 1.59 & 1.190.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

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Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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Departure Number: LDCR-2016-011 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 101
Unit 4 Amendment No.: 100

Departure Title: Auxiliary Building Roof Rebar Configuration Design (LAR-17-016)

Brief Description of the Plant-Specific Departure:

Changes are made to the design of the reinforcement in the roof and the supporting girders of the Auxiliary Building above the fuel handling area. In addition, changes are made to note that the design of the reinforcement in the roof and the design of supporting beams at other roof locations vary from the typical design.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This departure involved Tier 2* information in the UFSAR; therefore, a License Amendment Request (LAR-17-016) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 101 and 100 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

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VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2016-088	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	103
		Unit 4 Amendment No.:	102

Departure Title: Resolution of Auxiliary Building Wall Thickness and Description
Inconsistencies (LAR-16-033)

Brief Description of the Plant-Specific Departure:

Changes are made to the descriptions of the concrete wall thicknesses for the auxiliary building column line 1 wall and the auxiliary building labyrinth wall for consistency and clarification.

This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), and COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved Tier 1 information, COL Appendix C information, and Tier 2* information in the UFSAR; therefore, a License Amendment and Exemption Request (LAR-16-033) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 103 and 102 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

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VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2016-146	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	106
		Unit 4 Amendment No.:	105

Departure Title: Shield Building Roof Changes (LAR-16-031)

Brief Description of the Plant-Specific Departure:

Changes are made to the design details of the shield building roof, tension ring, and air inlets. This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), and COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved Tier 1 information, COL Appendix C ITAAC, Tier 2* information, and Tier 2 information which involved changes to Tier 2* information in the UFSAR; therefore, a License Amendment and Exemption Request (LAR-16-031) was submitted to the NRC. The NRC approved this License Amendment and Exemption Request and issued License Amendments 106 and 105 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

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VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2016-156	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Radiation Monitoring System (RMS) Changes

Brief Description of the Plant-Specific Departure:

Design changes and editorial clarifications are made to the RMS radiation monitors and post-accident area radiation monitors.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

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VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

Departure Number: LDCR-2016-158 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 100
Unit 4 Amendment No.: 99

Departure Title: Addition of In-containment Refueling Water Storage Tank (IRWST)
Lower Narrow Range Level Instrumentation (LAR-16-032)

Brief Description of the Plant-Specific Departure:

Changes are made to the design of the Protection and Safety Monitoring System (PMS) including the Reactor Trip System (RTS) and the Engineered Safety Feature Actuation System (ESFAS), the Passive Core Cooling System (PXS), the steam generator Blowdown System (BDS), and the Spent Fuel Pool Cooling System (SFS) to add, delete and rename level instrumentation as well as rename setpoint actuations and add permissives and interlocks. This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), COL Appendix A Technical Specifications and COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 information, COL Appendix A Technical Specifications, COL Appendix C ITAAC, and Tier 2 information which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-16-032) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 100 and 99 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

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VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-001	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	97
		Unit 4 Amendment No.:	96

Departure Title: Clarification of Raceway and Raceway System Designations
(LAR-17-008)

Brief Description of the Plant-Specific Departure:

Clarifications are made regarding the design of raceways, cable trays and raceway systems. This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD) and associated COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 information, COL Appendix C ITAAC, and Tier 2 information in the UFSAR which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-17-008) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 97 and 96 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

An additional clarification is also made to Tier 2 information that did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

That portion of the departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required.

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Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2017-018	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	94
		Unit 4 Amendment No.:	93

Departure Title: Clarification of Protection and Safety Monitoring System (PMS)
Interdivisional Cables in Auxiliary Building Fire Areas (LAR-17-011)

Brief Description of the Plant-Specific Departure:

Changes are made for clarification that Class 1E cables from the divisions identified in a given fire area are limited to interdivisional cables terminating in the fire area and that in the event of a fire affecting one division, the safe shutdown functions of the other three Class 1E divisions will not be disabled.

This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD) and associated COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 information and associated COL Appendix C ITAAC, and Tier 2 information in the UFSAR which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-17-011) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 94 and 93 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

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Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-040	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	111
		Unit 4 Amendment No.:	110

Departure Title: PXS/ADS Line Resistance Changes (LAR-17-009)

Brief Description of the Plant-Specific Departure:

Changes are made to revise the calculated flow resistance for the Passive Core Cooling System (PXS) in-containment refueling water storage tank (IRWST) injection and drain lines, containment recirculation lines, and fourth-stage Automatic Depressurization System (ADS) valves and associated piping.

This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), and associated COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 information and associated COL Appendix C ITAAC, and Tier 2 information in the UFSAR which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-17-009) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 111 and 110 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

<u>Departure Number:</u>	LDCR-2017-045	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	107
		Unit 4 Amendment No.:	106

Departure Title: Pipe Rupture Hazard and Flooding Analyses (LAR-17-010)

Brief Description of the Plant-Specific Departure:

Changes are made to limit the design basis flooding by making physical changes to the Fire Protection System (FPS) to limit the available volume in the FPS. The volume of the fire water storage tanks is increased and new limits on the minimum and maximum volume of water in the fire water storage tanks are established. Two Liquid Radwaste System (WLS) safety-related flood-up level sensors are installed in the Auxiliary Building sump room. The Fire Protection System (FPS) motor-drive fire pump and the jockey pump are relocated to a new fire pump enclosure in the yard area and FPS piping is changed. A safety-related seismic Category 1 fire-rated flood relief louver is added, and the maximum flood levels and details related to the flooding assessment in the Auxiliary Building are updated.

This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), and associated COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 information and associated COL Appendix C ITAAC, and Tier 2 information in the UFSAR which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-17-010) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 107 and 106 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

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Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-056	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	99
		Unit 4 Amendment No.:	98

Departure Title: Addition of Steam Generator System (SGS) Thermal Relief Valves
(LAR-17-012)

Brief Description of the Plant-Specific Departure:

Two main feedwater thermal relief valves are added between the main feedwater isolation valves and main feedwater control valves on the main feedwater lines. Two startup feedwater thermal relief valves are added between the startup feedwater isolation valves and startup feedwater control valves on the startup feedwater lines.

This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), and associated COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 information and associated COL Appendix C ITAAC, and Tier 2 information which involved changes to Tier 1; therefore, a License Amendment and Exemption Request (LAR-17-012) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 99 and 98 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

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Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-060	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	95
		Unit 4 Amendment No.:	94

Departure Title: Emergency Planning ITAAC Revisions (LAR-17-014)

Brief Description of the Plant-Specific Departure:

Changes are made to the Emergency Planning ITAAC and associated information to clarify, consolidate and eliminate redundancy.

This departure resulted in changes to Tier 1 (plant-specific DCD) and COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved Tier 1 information and COL Appendix C ITAAC; therefore, a License Amendment and Exemption Request (LAR-17-014) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 95 and 94 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

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Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2017-062	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	93
		Unit 4 Amendment No.:	92

Departure Title: Central Chilled Water System (VWS) Optimization Changes
(LAR-17-015)

Brief Description of the Plant-Specific Departure:

Changes are made to the VWS capacity and flow rates because of reduced heat loads in the areas serviced by the Nonradioactive Ventilation System (VBS) air handling units and Ventilation System (VAS) unit coolers.

This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), and associated COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 information and associated COL Appendix C ITAAC, and Tier 2 information which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-17-015) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 93 and 92 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

An additional change to VBS Class 1E Battery Room exhaust fan design airflow and fan static pressure does not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

That portion of the departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required.

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VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

Departure Number: LDCR-2017-067 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 92
Unit 4 Amendment No.: 91

Departure Title: Fire Protection System (FPS) Piping That Must Remain Functional
Following a Safe Shutdown Earthquake (SSE) (LAR-17-013)

Brief Description of the Plant-Specific Departure:

Changes are made to clarify and define the boundaries and seismic requirements for the portion of the FPS piping that is required to remain functional following an SSE.

This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), and associated COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 information and associated COL Appendix C ITAAC, and Tier 2 information which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-17-013) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 92 and 91 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

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VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2017-068	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	98
		Unit 4 Amendment No.:	97

Departure Title: Containment Air Filtration Exhaust Rooms West Walls Removal
(LAR-17-017)

Brief Description of the Plant-Specific Departure:

Changes are made to remove the radiation shield walls at the west end of the containment air filtration exhaust room A and at the west end of the containment air filtration exhaust room B.

This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD) and associated COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved Tier 1 information, COL Appendix C ITAAC, and Tier 2 information which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-17-017) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 98 and 97 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

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VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2017-070	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	108
		Unit 4 Amendment No.:	107

Departure Title: Main Control Room Emergency Habitability System (VES) Changes to Satisfy Post-Actuation Performance Requirements (LAR-17-001)

Brief Description of the Plant-Specific Departure:

Changes are made to the design of the VES to address an increase in main control room (MCR) heat loads. Changes include adding an automatic and manual electrical load shed of nonessential non-safety-related equipment within the MCR Envelope (MCRE); revising the temperature acceptance criterion in the MCR following a Design Basis Accident and revising the Technical Specifications to provide specified initial temperature conditions for the required rooms in the MCRE and adjacent rooms.

This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), COL Appendix A Technical Specifications and COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 (plant-specific DCD), COL Appendix A Technical Specifications, COL Appendix C ITAAC, and Tier 2 information which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-17-001) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 108 and 107 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-077	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	105
		Unit 4 Amendment No.:	104

Departure Title: Chemical Addition with Reactor Coolant Pumps Not in Operation
(LAR-17-019)

Brief Description of the Plant-Specific Departure:

Changes are made to provide details of administrative controls for unborated water flow paths to the reactor coolant system that are required to support chemical additions during periods when the reactor coolant pumps are not in operation.

This departure resulted in changes to the UFSAR (plant-specific DCD), and COL Appendix A Technical Specifications.

Summary of the Evaluation:

This departure involved changes to COL Appendix A Technical Specifications and Tier 2 information which involved changes to the Technical Specifications; therefore, a License Amendment Request (LAR-17-019) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 105 and 104 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

Additional Tier 2 changes that are made to identify an acceptable method of administratively controlling specific Chemical and Volume Control System valves did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

That portion of the departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-087	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	102
		Unit 4 Amendment No.:	101

Departure Title: Add Reactor Trip Signal on Safeguards Actuation Signal Time Delay and Other Miscellaneous Technical Specification Changes (LAR-17-020)

Brief Description of the Plant-Specific Departure:

Changes are made to include the reactor trip signal on the safeguards actuation signal, with a two second time delay. In addition, the change also provides clarification to the Reactor Trip System Trip Actuation Devices and corrections to the nomenclature for the Chemical and Volume Control System (CVS).

This departure resulted in changes to the UFSAR (plant-specific DCD) and changes to COL Appendix A Technical Specifications.

Summary of the Evaluation:

This departure involved changes to COL Appendix A Technical Specification and Tier 2 information which involved changes to the Technical Specifications; therefore, a License Amendment Request (LAR-17-020) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 102 and 101 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

Additional Tier 2 editorial changes that are made to correct the nomenclature for the CVS, to be consistent throughout, did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

That portion of the departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2017-094	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	114
		Unit 4 Amendment No.:	113

Departure Title: Reactor Vessel Head Vent Capacity (LAR-17-025)

Brief Description of the Plant-Specific Departure:

The reactor vessel head vent mass flow rate is changed.
This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD) and associated COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 information and associated COL Appendix C ITAAC, and Tier 2 information which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-17-025) was submitted to the NRC.
The NRC approved this License Amendment and Exemption Request and issued License Amendments 114 and 113 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

<u>Departure Number:</u>	LDCR-2017-098	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	104
		Unit 4 Amendment No.:	103

Departure Title: Addition of a Residual Heat Removal Suction Relief Valve for
Low-Temperature Overpressure Protection (LAR-17-022)

Brief Description of the Plant-Specific Departure:

Changes are made to the design of the Normal Residual Heat Removal System (RNS) by adding an additional suction relief valve and associated piping in parallel to the existing suction relief valve. Corrections are made to the class break for a penetration P19 containment isolation valve. The position indication for the existing RNS suction relief valve is removed and replaced with a temperature detector on the common discharge piping of both RNS suction relief valves

This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), COL Appendix A Technical Specifications and COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved changes to Tier 1 (plant-specific DCD), COL Appendix A Technical Specifications, COL Appendix C ITAAC and Tier 2 information which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-17-022) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 104 and 103 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

The Tier 2 change that replaces the position indication with a temperature detector, did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

That portion of the departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-104	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	119
		Unit 4 Amendment No.:	118

Departure Title: Clarify Technical Specification Definition of Actuation Logic Test and Add New Actuation Logic Output Test (LAR-17-026)

Brief Description of the Plant-Specific Departure:

Changes are made to modify the definition of the actuation logic test, add a new definition for the actuation logic output test (ALOT) and clarify that the ALOT is performed on engineered safety feature coincidence logic with a frequency of 24 months.

This departure resulted in changes to COL Appendix A Technical Specifications.

Summary of the Evaluation:

This departure involved changes to COL Appendix A Technical Specification; therefore, a License Amendment Request (LAR-17-026) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 119 and 118 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-108	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Administrative Controls for the Technical Requirements Manual (TRM).

Brief Description of the Plant-Specific Departure:

Changes are made to add the administrative controls to clarify the incorporated by reference status of various TRM subsections.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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Departure Number: LDCR-2017-113 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 115
Unit 4 Amendment No.: 114

Departure Title: Leakage Detection Instrumentation Operability (LAR-17-029)

Brief Description of the Plant-Specific Departure:

Changes are made to allow exclusion of the containment sump level channels and the containment atmosphere particulate monitor from operability during certain plant evolutions as long as a compensatory surveillance requirement is performed. Additionally, the required action for one required containment sump channel being inoperable, to perform an ongoing volume change check with the remaining containment sump level channel, has been eliminated. This departure resulted in changes to COL Appendix A Technical Specifications.

Summary of the Evaluation:

This departure involved changes to COL Appendix A Technical Specifications; therefore, a License Amendment Request (LAR-17-029) was submitted to the NRC. The NRC approved this License Amendment Request and issued License Amendments 115 and 114 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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Departure Number: LDCR-2017-114 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Change to Residual Heat Removal System (RNS) Suction Relief Valve Design Parameters

Brief Description of the Plant-Specific Departure:

Changes are made to the design of the RNS relief valve and associated discharge piping. This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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Departure Number: LDCR-2017-117 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 110
Unit 4 Amendment No.: 109

Departure Title: Containment Flooding pH Adjustment Changes (LAR-17-032)

Brief Description of the Plant-Specific Departure:

Changes are made to revise the mass of trisodium phosphate required in the pH adjustment baskets of the Passive Core Cooling System.

This departure resulted in changes to the UFSAR (plant-specific DCD), and COL Appendix A Technical Specifications.

Summary of the Evaluation:

This departure involved changes to COL Appendix A Technical Specification and Tier 2 information which involved changes to the Technical Specifications; therefore, a License Amendment Request (LAR-17-032) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 110 and 109 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-120	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	116
		Unit 4 Amendment No.:	115

Departure Title: Human Factors Engineering Resolution Verification Process Revisions
(LAR-17-030)

Brief Description of the Plant-Specific Departure:

Changes are made to the process for addressing and re-testing for Human Engineering Discrepancies (HEDs) identified during integrated system validation testing to clarify the resources and methodology used during retesting to verify the effectiveness of HED resolution. This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This departure involved Tier 2* information in the UFSAR; therefore, a License Amendment Request (LAR-17-030) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 116 and 115 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

<u>Departure Number:</u>	LDCR-2017-123	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	120
		Unit 4 Amendment No.:	119

Departure Title: Passive Residual Heat Removal Heat Transfer and In-containment Refueling Water Storage Tank Heat Up Test Acceptance Criteria Change (LAR-17-033)

Brief Description of the Plant-Specific Departure:

Changes are made to the Initial Test Program (ITP) to allow for the observation of the in-containment refueling water storage tank (IRWST) thermal profile during both natural circulation and forced flow Passive Residual Heat Removal (PRHR) heat transfer tests. Additional ITP changes are made to allow onsite power to be available during the PRHR heat exchanger natural circulation preoperational test, and to allow the use of temperature sensors for the IRWST heatup test.

This departure resulted in changes to the UFSAR (plant-specific DCD) and the VEGP Units 3 and 4 COLs.

Summary of the Evaluation:

This departure involved a change to the VEGP Units 3 and 4 COLs; therefore, a License Amendment Request (LAR-17-033) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 120 and 119 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

The additional ITP changes to Tier 2 information did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

That portion of the departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

Departure Number: LDCR-2017-125 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 109
Unit 4 Amendment No.: 108

Departure Title: Use of ASME NB-3200 for Piping Component Analysis (LAR-17-035)

Brief Description of the Plant-Specific Departure:

Changes are made to Class 1 piping component analysis evaluations to allow use of ASME Section III, NB-3200, design by analysis methods.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This departure involved Tier 2* information, and Tier 2 information in the UFSAR which involved changes to Tier 2* information; therefore, a License Amendment Request (LAR-17-035) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 109 and 108 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

<u>Departure Number:</u>	LDCR-2017-127	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	118
		Unit 4 Amendment No.:	117

Departure Title: Technical Specifications for Reactor Coolant System Vacuum Fill and Inspections, Tests, Analyses, and Acceptance Criteria for Containment Floodup (LAR-17-027)

Brief Description of the Plant-Specific Departure:

Changes are made to revise COL Appendix A, Technical Specifications (TS) to allow Reactor Coolant System (RCS) vacuum fill operations in MODE 5 conditions. Changes related to the volume in the containment that allows for floodup to support long-term core cooling for postulated loss-of-coolant accidents are also made. Additional changes are made related to Automatic Depressurization System (ADS) stage 4 actuation prior to in-containment refueling water storage tank (IRWST) injection; to clarify the importance of hatches and curbs in supporting the containment floodup recirculation level related to long term core cooling functionality; and to change the maximum water level that could occur in the RCS compartment. This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD), COL Appendix A Technical Specifications and COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved Tier 1 information, COL Appendix A Technical Specifications, COL Appendix C ITAAC, and Tier 2 information which involved changes to Tier 1 information and Technical Specifications; therefore, a License Amendment and Exemption Request (LAR-17-027) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 118 and 117 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

The additional changes to Tier 2 information did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

That portion of the departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required.

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Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-130	License Amendment:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Exemption:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
		Unit 3 Amendment No.:	112
		Unit 4 Amendment No.:	111

Departure Title: Raceway and Cable Routing (LAR-17-036)

Brief Description of the Plant-Specific Departure:

Changes and clarifications are made to the minimum separation distance requirements for electrical circuits. In addition, the minimum vertical separation required for cables and wiring within panels and control switchboards in non-hazard and limited hazard areas is changed. This departure resulted in changes to the UFSAR (plant-specific DCD), Tier 1 (plant-specific DCD) and COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved Tier 1 information and COL Appendix C ITAAC and Tier 2 information which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-17-036) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 112 and 111 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

The additional change to the required minimum vertical separation did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

That portion of the departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-133	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Passive Containment Cooling System (PCS) Valve Type Description in the List of ASME Active Valves Table

Brief Description of the Plant-Specific Departure:

Changes are made to remove the valve type from the descriptions of the PCS isolation valves in the list of ASME active valves.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-134	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Added Thermal Relief Valve to Startup Feedwater Header Line

Brief Description of the Plant-Specific Departure:

Changes are made to add a thermal relief valve to a branch line off the startup feedwater header line.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
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<u>Departure Number:</u>	LDCR-2017-135	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Changes to the AP1000 Plant Reactor Equipment System Model Modeling

Brief Description of the Plant-Specific Departure:

Changes are made to the mathematical model of the reactor pressure vessel, core support, and internals components and the system seismic analysis of the reactor vessel and its internals. This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-140	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Liquid Radwaste System (WLS) Relief Valve Addition and Pump Design Change

Brief Description of the Plant-Specific Departure:

Changes are made to the design pressure and temperature of the WLS degasifier separator pumps and the design pressure of the WLS degasifier vacuum pumps. A relief valve is added to the combined outlet line of the degasifier vacuum pumps.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
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<u>Departure Number:</u>	LDCR-2017-145	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: DG Building Ventilation System (VZS) Changes

Brief Description of the Plant-Specific Departure:

Changes are made to the design of the VZS by adding a new subsystem and replacing an electric unit heater with a split system direct expansion unit. The maximum temperature limit for a stairwell is removed.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2017-146	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Clarification of Construction Code for the Steam Generator Steam Flow Limiting Venturis

Brief Description of the Plant-Specific Departure:

Changes are made to clarify that the steam generator outlet nozzle flow restrictor is constructed to ASME Code Section III, Class 1 requirements.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

Departure Number: LDCR-2017-149 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 113
Unit 4 Amendment No.: 112

Departure Title: Testing Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC)
Consolidation (LAR-17-038)

Brief Description of the Plant-Specific Departure:

Changes are made to consolidate four categories of the ITAAC - "Initial Test Program" (ITP); "Initial Test Program and Related Inspections"; "Related Inspection and Analyses"; and "Security Testing."

This departure resulted in changes to Tier 1 (plant-specific DCD) and COL Appendix C ITAAC.

Summary of the Evaluation:

This departure involved Tier 1 information and COL Appendix C ITAAC; therefore, a License Amendment and Exemption Request (LAR-17-038) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 113 and 112 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2017-150	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Addition of an Exception to Position 6 Regulatory Guide 1.45 Revision 0

Brief Description of the Plant-Specific Departure:

An exception is taken to Regulatory Guide 1.45 Rev. 0 related to the seismic requirements for containment airborne particulate radioactivity monitoring.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

Departure Number: LDCR-2017-152 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Passive Residual Heat Removal (PRHR) Heat Exchanger Tube
Inspection Requirements

Brief Description of the Plant-Specific Departure:

Changes are made to the testing and inspection requirements for the PRHR heat exchanger. This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2017-155	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Change to Pressure Used to Calculate Chemical and Volume Control System (CVS) Nominal Purification Flow Rate

Brief Description of the Plant-Specific Departure:

Changes are made to the pressure used to determine the CVS nominal purification flow rate, and provide clarification regarding the application of this pressure.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2017-156	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Clarification and Consistency Changes for Component Cooling Water System (CCS)

Brief Description of the Plant-Specific Departure:

Changes are made to clarify CCS cooling water flow to the appropriate equipment. This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

Departure Number: LDCR-2017-157 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Changes to Electric Heating Coils in Battery Rooms

Brief Description of the Plant-Specific Departure:

Changes are made to remove the UL 823 requirement for the electric heating coils located in the Class 1E Battery Rooms.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2017-159	License Amendment:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A	
		Unit 4 Amendment No.:	N/A	

Departure Title: Changes to Minimum Water Level for Initial Fuel Loading

Brief Description of the Plant-Specific Departure:

A change is made to the initial test program to allow water levels greater than reactor vessel outlet nozzle centerline (i.e., mid-loop) as a prerequisite for initial fuel loading.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2018-001	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Changes to the Vogtle Units 3 & 4 Construction Sequence to Support Auxiliary Building Delays

Brief Description of the Plant-Specific Departure:

A change is made to revise the second construction sequence limitation for the delayed auxiliary building case, to allow installation of shield building panels without concrete to a higher elevation, and a new limitation is added to restrict the installation of containment vessel ring 3. This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2018-002	License Amendment:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A	
		Unit 4 Amendment No.:	N/A	

Departure Title: Miscellaneous Editorial and Consistency Changes

Brief Description of the Plant-Specific Departure:

Changes are made to correct an inconsistency in the identification of safety functions for the onsite AC power system and correct punctuation and grammar.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2018-003	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Addition of Interposing Relay to Protection and Safety Monitoring System (PMS) Cabinets

Brief Description of the Plant-Specific Departure:

Changes are made to add an interposing relay to the PMS cabinet design and provide clarification and consistency.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2018-004	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Materials Used for Ductwork and Accessories in Nonsafety-Related Ventilation

Brief Description of the Plant-Specific Departure:

Changes are made to allow the use of materials (other than galvanized, stainless and coated steel) consistent with the standard for HVAC systems used in the construction of ductwork, duct supports and duct accessories for nonsafety-related ventilation systems outside containment. This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2018-011	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Site Plan Update

Brief Description of the Plant-Specific Departure:

The figures depicting the site plan are simplified to remove site-specific information, and a note is added to refer to the site layout figure for locations of site-specific buildings and structures. This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2018-017	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Setpoint Nomenclature Consistency Changes

Brief Description of the Plant-Specific Departure:

Nomenclature consistency changes are made to standardized Protection and Safety Monitoring System (PMS) setpoints.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

Departure Number: LDCR-2018-023 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Hydrogen Igniters Editorial and Consistency Changes

Brief Description of the Plant-Specific Departure:

Changes are made to several hydrogen igniters that include renumbering, relocating, increasing the number of required igniters and removing redundant information.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2018-025	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Main Control Room (MCR) Passive Filtration System Flow Rate
Consistency Change

Brief Description of the Plant-Specific Departure:

Changes are made to the Initial Test Program to specify that the MCR passive filtration system flow rate and filter performance are verified to ensure a filtration flow rate greater than the MCR Emergency Habitability System makeup flow rate, consistent with Technical Specifications and Tier 1.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2018-031	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Nonradioactive Ventilation System (VBS) and Main Control Room (MCR) Complex Changes

Brief Description of the Plant-Specific Departure:

Changes are made to the Nuclear Island Nonradioactive Ventilation System (VBS) and portions of the main control room (MCR) complex. A static air mixer is added upstream of the VBS particulate sample nozzles; silencers are added to the supply and return ductwork to reduce background noise levels in the MCR; the MCR floor is raised to accommodate changes to floor ductwork; vertical VBS duct work is relocated; fire dampers are installed for compliance with NFPA 90A and Branch Technical Position CMEB 9.5-1. In addition, VBS instrument isolation valve class and seismic categories are changed; the combustible loading for a fire zone is revised; a fire assessment report is updated for compliance with newer NFPA 804 requirements; and stairwell fire barrier inconsistencies are resolved by this change.

This departure resulted in changes to the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.

ND-18-0799
Enclosure 1
VEGP Units 3 and 4 Departure Report for the Period of
November 11, 2017 through May 10, 2018

<u>Departure Number:</u>	LDCR-2018-036	License Amendment:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Exemption:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
		Unit 3 Amendment No.:	N/A
		Unit 4 Amendment No.:	N/A

Departure Title: Integrated Head Package (IHP) Control Rod Drive Mechanism (CRDM)
Cable Design Temperature Change

Brief Description of the Plant-Specific Departure:

The ambient air temperature used for the design of the power and control cables in the IHP CRDM cable tray is changed.

This departure resulted in changes to Tier 2 information in the UFSAR (plant-specific DCD).

Summary of the Evaluation:

This plant-specific departure did not result in a modification, addition to, or removal of a structure, system, or component (SSC) such that a design function is adversely affected, has no impact on plant operating procedures or a method of control that adversely affects a design function, does not result in an adverse change to a method of evaluation or use of an alternate method of evaluation, does not represent tests or experiments outside the reference bounds of the design basis, and does not alter the assumptions or results of the ex-vessel severe accident assessment.

This departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 52 Appendix D, Section VIII screening/simplified evaluation determined that NRC approval was not required prior to implementing this departure.