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10 CFR 50.59
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Southern Nuclear Operating Company
Vogtle Electric Generating Plant Units 3 and 4
10 CFR 50.59 Report of 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.


Enclosure 1 provides the report containing a brief description of any changes, tests, and experiments, including a summary of the evaluation of each, as required by 10 CFR 50.59(d)(2), for the period of November 11, 2016 through May 10, 2017.

Enclosure 2 provides the report containing a brief description of any 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, 2016 through May 10, 2017.

This letter makes no regulatory commitments. If you have questions, please contact Mr. Wesley Sparkman at 205-992-5061.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY


Amy G. Aughtman

AGA/GAB/ljs

Enclosure 1: VEGP Units 3 and 4, 10 CFR 50.59 Report of Changes, Tests or Experiments for the Period of November 11, 2016 through May 10, 2017

Enclosure 2: VEGP Units 3 and 4, 10 CFR 52, Appendix D Departure Report for the Period of November 11, 2016 through May 10, 2017

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Southern Nuclear Operating Company

ND-17-0959

Enclosure 1

VEGP Units 3 and 4

**10 CFR 50.59 Report of Changes, Tests or Experiments
for the Period of November 11, 2016 through May 10, 2017**

(This Enclosure consists of 2 pages, including this cover page)

ND-17-0959
Enclosure 1
VEGP Units 3 and 4
10 CFR 50.59 Report of Changes, Tests or Experiments
for the Period of November 11, 2016 through May 10, 2017

Change Number: LDCR-2016-140

Title: Radioactive Material and Equipment Storage Building Addition

Brief Description of the Changes, Tests and Experiments:

A Radioactive Material and Equipment Storage Building is added in the yard area of the plant to store low level radioactive materials. This building is used for the storage of sealed radioactive sources.

The Site Layout Figure and the Fire Protection Analysis Results for the Yard Area and Outlying Buildings are revised in the UFSAR.

Summary of the Evaluation:

This change did not result in more than a minimal increase in the frequency of occurrence of an accident, likelihood of the occurrence of a malfunction of a structure, system or component (SSC) important to safety, consequences of an accident or malfunction; create the possibility of an accident of a different type or malfunction with a different result; result in a design basis limit for a fission product barrier being exceeded or altered; or result in a departure from a method of evaluation.

The 10 CFR 50.59 evaluation determined that NRC approval was not required prior to implementing this change.

Southern Nuclear Operating Company

ND-17-0959

Enclosure 2

VEGP Units 3 and 4

**10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017**

(This Enclosure consists of 100 pages, including this cover page)

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2013-081 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 64
Unit 4 Amendment No.: 64

Departure Title: Relocation of Air Cooled Chiller Pump 3, VWS-MP-03 (LAR-15-018)

Brief Description of the Plant-Specific Departure:

The central chilled water system (VWS) low capacity Air Cooled Chiller Pump 3 and its associated equipment, including a new chemical feed tank, are relocated from the Auxiliary Building to the Annex Building. Each low capacity air cooled chiller pump loop now has its own chemical feed tank.

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 changes to Tier 1 information, COL Appendix C ITAAC, Tier 2* and Tier 2 information in the UFSAR which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-15-018) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendment 64 to COLs NPF-91 and NPF-92 for VEGP Units 3 and 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2013-094 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 73
Unit 4 Amendment No.: 72

Departure Title: Annex and Radwaste Building Changes (LAR-13-019)

Brief Description of the Plant-Specific Departure:

Annex Building column lines are changed. The Radwaste Building Packaged Waste Storage Room is merged into the Waste Accumulation Room with associated changes to the radiation monitors. The minimum waste storage volume of the Waste Accumulation Room is increased. Three bunkers with removable steel plates are added to the Waste Accumulation Room for storage of moderate and high activity waste. Shield wall thicknesses are changed. An explanation of administrative controls and procedures is added.

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 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-13-019) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 73 and 72 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2014-024 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 57
Unit 4 Amendment No.: 57

Departure Title: Radiologically Controlled Area Ventilation System (VAS) Design Changes (LAR-15-011)

Brief Description of the Plant-Specific Departure:

The Annex Building Exhaust Radiation Monitor is relocated from its current duct location, where it serves both the Annex Building and Auxiliary Building Radiologically Controlled Areas, to an upstream branch exhaust duct, where it monitors Auxiliary Building exhaust only. An Annex Building Exhaust Radiation Monitor is added to exhaust ducting in the Annex Building. Descriptions of the Auxiliary Building and Annex Building areas served by the Auxiliary Building Exhaust Radiation Monitors and the Annex Building Exhaust Radiation Monitor are clarified.

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 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-15-011) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendment 57 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2014-036 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 72
Unit 4 Amendment No.: 71

Departure Title: Passive Core Cooling System (PXS) Condensate Return (LAR-16-026)

Brief Description of the Plant-Specific Departure:

A change is made to improve the condensate return rate to the in-containment refueling water storage tank (IRWST). The change adds downspout screens on the polar crane girder, downspout screens on the internal stiffener, and associated drain piping, routed to the IRWST gutter. A change is made to the description of plant operations related to the condensate return features. The shutdown temperature evaluation is also updated using the detailed input for the condensate returned back to the IRWST.

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 in the UFSAR which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-16-026) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 72 and 71 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2014-157 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Relocation of Passive Containment Cooling System (PCS) Valves and Flow Indicator and Shield Door Change

Brief Description of the Plant-Specific Departure:

PCS valves and a flow monitor are relocated from the Middle Annulus Access Room to the Maintenance Floor Staging Area. The door between the Middle Annulus Access Room and the Middle Annulus is changed from a sliding door to a door with hinges.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2015-004 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 74
Unit 4 Amendment No.: 73

Departure Title: Southern Nuclear Operating Company Standard Emergency Plan
(LAR-15-016)

Brief Description of the Plant-Specific Departure:

The VEGP 3 and 4 Emergency Plan is changed to the Southern Nuclear Operating Company Standard Emergency Plan and includes the Standard Emergency Plan Annex for Vogtle Electric Generating Plant Units 3 and 4.

That change required a conforming departure in the Emergency Planning description that provides the location of the Technical Support Center in the UFSAR (plant-specific DCD).

Summary of the Evaluation:

The change to the VEGP 3 and 4 Emergency Plan and associated changes to COL Appendix C ITAAC required NRC approval in accordance with 10 CFR 50.54(q); therefore, a License Amendment Request (LAR-15-016) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 74 and 73 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

The conforming 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.

The conforming 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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2015-016 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 61
Unit 4 Amendment No.: 61

Departure Title: Containment Hydrogen Igniter Changes (LAR-15-003)

Brief Description of the Plant-Specific Departure:

The design of the hydrogen ignition subsystem is modified by adding two additional hydrogen igniters above the in-containment refueling water storage tank roof vents. The design of the hydrogen igniter control is changed by removing control of the hydrogen igniters from the Protection and Safety Monitoring System and clarifying the controls available for the hydrogen igniters at the Remote Shutdown Workstation. The location of Igniter 30 is changed to loop compartment 01, and its room number is changed. The minimum surface temperature of the igniters is changed to meet or exceed 1700°F.

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

Summary of the Evaluation:

This departure involved changes to Tier 1 information, COL Appendix C ITAAC, and Tier 2 information in the UFSAR and TRM which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-15-003) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendment 61 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2015-042	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: Nuclear Island Nonradioactive Ventilation System (VBS) Exhaust Ducting Changes

Brief Description of the Plant-Specific Departure:

The VBS exhaust duct from the Main Control Room / Control Support Area supply air handling unit is rerouted to an intermediate duct that goes to the Turbine Building vent, instead of going directly to the Turbine Building vent. Also, a VBS damper tag number is changed.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2015-059 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Relocation and Addition of Doors to Annulus Personnel Access Portals

Brief Description of the Plant-Specific Departure:

Three doors are added to the inside wall of the annulus region between the shield building and the containment. Two other doors are changed to be radiation shield doors and the swing direction for these doors is changed. Another door is changed to a sliding radiation shield door.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2015-081 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Refueling Cavity Floor Shielding Modifications

Brief Description of the Plant-Specific Departure:

The design of the refueling cavity floor structural module is changed from a steel structure to a concrete structure with a half-inch thick steel liner on the top and bottom.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2015-102 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Radiation Monitor Changes

Brief Description of the Plant-Specific Departure:

The Radiation Monitoring Sampling System (RMS) for the plant vent is changed to add a second sampling line dedicated for the accident range monitoring package. A single point shrouded nozzle is used instead of an isokinetic multipoint sampling nozzle to obtain a representative sampling of the plant vent. The Plant Control System to RMS control line for the plant vent radiation monitor is no longer required. The titles for sample pumps and monitoring packages are changed to align to their associated instrumentation.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-033 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 59
Unit 4 Amendment No.: 59

Departure Title: Column Line N Wall ITAAC Dimension Change (LAR-16-003)

Brief Description of the Plant-Specific Departure:

The Auxiliary Building concrete wall thickness tolerance of the column line N wall from column lines 2 to 4 from elevation 100'-0" to 135'-3" is increased. The UFSAR (plant-specific DCD) is also revised to specify that the wall thickness tolerance in this area is increased beyond the requirements of American Concrete Institute (ACI)-349 reinforcement design requirements and demonstrated sufficient margin to accommodate the increased tolerance.

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 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-16-003) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendment 59 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-035 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Radiation Monitoring System (RMS) Detector Changes

Brief Description of the Plant-Specific Departure:

The range of several radiation detectors in the RMS are changed and several radiation detectors are identified as being needed for post-accident monitoring. Other changes include radiation detector names and radiation detector units of measure.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-038 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 65
Unit 4 Amendment No.: 65

Departure Title: Addition of Density Compensation to Reactor Trip System (RTS)
Reactor Coolant Flow Signal (LAR-16-007)

Brief Description of the Plant-Specific Departure:

The reactor coolant flow input signal, used for the low reactor coolant flow trip function of the RTS, is changed by adding reactor coolant density compensation using the delta T power signal; and adding two first-order lag filters in series to reduce noise on the input signal.

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

Summary of the Evaluation:

The addition of the density compensation involved a change to COL Appendix A Technical Specifications, and associated Tier 2 information in the UFSAR; therefore, a License Amendment Request (LAR-16-007) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendment 65 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

The addition of the lag filters 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 prior to implementing this portion of the departure.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-040 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Steam Generator Blowdown System (BDS) Valve Addition

Brief Description of the Plant-Specific Departure:

An air operated globe valve is added in each steam generator blowdown line, downstream of the BDS heat exchangers and sampling connection, but upstream of blowdown flow control valve. The isolation functions (high BDS radiation, temperature, and pressure) are moved from the control logic for the blowdown isolation valves to the control logic for the new air operated globe 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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-042 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 71
Unit 4 Amendment No.: 70

Departure Title: PMS Logic Changes for Source Range Flux Doubling (LAR-16-006)

Brief Description of the Plant-Specific Departure:

The design of the Protection and Safety Monitoring System (PMS) is changed to align with the requirements in IEEE 603-1991, "IEEE Standard Criteria for Safety Systems for Nuclear Power Generating Stations." The changes included adding a new permissive, P-8, which permits blocking of source range (SR) neutron flux doubling when the Reactor Coolant System temperature reaches the minimum temperature required for criticality. The logic update also isolates unborated water sources when the SR neutron flux doubling signal is blocked below P-8.

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

Summary of the Evaluation:

This departure involved changes to COL Appendix A Technical Specifications, and associated Tier 2 information in the UFSAR; therefore, a License Amendment Request (LAR-16-006) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 71 and 70 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-047 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Standby Diesel Fuel Oil System (DOS) Changes

Brief Description of the Plant-Specific Departure:

Changes to the DOS are made to improve the skid configuration, facilitate maintenance activities, and provide additional overpressure protection.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-051 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 75
Unit 4 Amendment No.: 74

Departure Title: Structural Design of Auxiliary Building Floors (LAR-16-009)

Brief Description of the Plant-Specific Departure:

The structural design of floors located in the CA20 submodule in the south end of the Auxiliary Building and finned floors located in the north end of the Auxiliary Building are changed.

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-16-009) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 75 and 74 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-055 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Turbine-Generator Changes

Brief Description of the Plant-Specific Departure:

The testing of the trip instrumentation for the main turbine is changed to use the Plant Control System. The thrust bearing trip device design is changed to include three position pickups instead of two. Changes are made to the required chemical property limitations for the main turbine rotor. The plant load change capability description is revised for consistency with other citations in the UFSAR (plant-specific DCD) and design specifications.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-058 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 66
Unit 4 Amendment No.: 66

Departure Title: Nuclear Instrumentation System Excore Detector Surface Material
Inspection Clarification (LAR-16-010)

Brief Description of the Plant-Specific Departure:

The design of the excore detectors (source range, power range and intermediate range) is clarified to describe that the aluminum surfaces of the excore detectors are encased in a watertight stainless steel or titanium housing.

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 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-16-010) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendment 66 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-064 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 62
Unit 4 Amendment No.: 62

Departure Title: Automatic Depressurization System (ADS) Stage 2, 3 & 4 Valve Flow Area Changes and Clarifications (LAR-16-012)

Brief Description of the Plant-Specific Departure:

The flow area through each fourth-stage ADS squib valve is clarified to be the as-manufactured flow area of $\geq 67\text{in}^2$. The effective flow area through each Stage 2 and 3 ADS control valve is reduced to $\geq 19\text{in}^2$. The flow area for each ADS Stage 2 and 3 control valve is clarified to be the minimum effective flow area of $\geq 19\text{in}^2$. The flow area for each ADS Stage 4 squib valve is clarified to be the minimum effective flow area of $\geq 66\text{in}^2$.

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 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-16-012) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendment 62 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-082 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 63
Unit 4 Amendment No.: 63

Departure Title: Debris Screen Related Dimensions (LAR-16-013)

Brief Description of the Plant-Specific Departure:

The required frontal face area and screen surface area for the in-containment refueling water storage tank (IRWST) screens are changed to account for an increase in required Normal Residual Heat Removal System flowrate. The location and dimensions of the protective plate located above the containment recirculation (CR) screens is changed. Editorial changes are made to clarify that there is only one horizontal plate per CR screen and that dimensions are measured from the face of the CR screens.

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 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-16-013) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendment 63 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-089 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 67
Unit 4 Amendment No.: 67

Departure Title: Design Reliability Assurance Program (DRAP) Changes (LAR-16-017)

Brief Description of the Plant-Specific Departure:

The design of the in-containment refueling water storage tank (IRWST) is changed to include covers for IRWST vents and overflow weirs. The covers perform active safety functions and are identified as risk-significant equipment with individual equipment tags. The description of the rod drive motor-generator (MG) sets is changed to clarify that their generator field control relays are contained in the control cabinets for the rod drive MG sets.

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 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-16-017) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendment 67 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-090 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 58
Unit 4 Amendment No.: 58

Departure Title: Fire Pump Head and Diesel Fuel Day Tank Changes (LAR-16-014)

Brief Description of the Plant-Specific Departure:

The required total head for each of the two fire pumps (motor-driven and diesel-driven) is increased from at least 300 feet to at least 350 feet. The minimum required capacity of the diesel-driven fire pump fuel tank is increased from 240 gallons to 385 gallons.

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 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-16-014) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendment 58 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-092 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Response Time Testing for Reactor Trip Permissives and Interlocks

Brief Description of the Plant-Specific Departure:

The Protection and Safety Monitoring System, General Test Methods and Acceptance Criteria in the preoperational testing descriptions of the UFSAR (plant-specific DCD) are revised to eliminate response time testing of permissives and interlocks during Engineered Safety Features actuation system and Reactor Trip signal testing.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-093 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 69
Unit 4 Amendment No.: 68

Departure Title: IDS Fuse Isolation Panel Additions (LAR-16-022)

Brief Description of the Plant-Specific Departure:

Seven Class 1E battery monitor fuse isolation panels are added to the interconnection of the non-Class 1E battery monitors and Class 1E Uninterruptible Power Supply System (IDS) circuits.

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 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-16-022) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendments 69 and 68 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-096	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:

The description of the RMS in the UFSAR (plant-specific DCD) is changed to correct inconsistencies regarding the use of terms “process” and “effluent”; illustrate how RMS control signals are communicated between the Protection and Safety Monitoring System and Plant Control System; clarify that nonsafety-related RMS data is transmitted to the Data Display System and not directly to the PLS; clarify the actuation location for check sources; clarify that containment atmosphere radiation monitors do not use external analog signals to calculate concentrations during normal conditions; and to indicate that plant vent radiation monitors accept both analog and digital inputs from process and sample sensors for plant vent effluent flow and temperature.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-097 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 70
Unit 4 Amendment No.: 69

Departure Title: Incorporate Revisions to WCAP-17179 in UFSAR Appendix 7A
(LAR-16-021)

Brief Description of the Plant-Specific Departure:

VEGP 3&4 UFSAR (plant-specific DCD) is revised to reflect changes to WCAP-17179, “AP1000® Component Interface Module Technical Report” associated with the Component Interface Module (CIM) and Safety Remote Node Controller field programmable gate arrays. These changes include revising references, updating the ownership of intellectual property and updating voltage values for the CIM internal power supply.

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

Summary of the Evaluation:

This departure involved Tier 2* information, therefore, a License Amendment Request (LAR-16-021) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendments 70 and 69 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-099	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: Electrical Penetration Design Changes

Brief Description of the Plant-Specific Departure:

The design of the containment electrical penetrations is changed to add an extension sleeve between the containment vessel penetration nozzle and the mounting flange attached to the exterior of the canister for the electrical penetration assembly (EPA). The wedge supports used for centering the inside containment portion of the EPA are redesigned and attached to the header plate on the EPA, instead of the adapter ring. The containment electrical penetration adapter ring and weld/enclosure mounting flange is changed to a fillet welded slip-on flange on both ends of the penetration.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-102 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 60
Unit 4 Amendment No.: 60

Departure Title: Qualified Data Processing System and Safety Display Description
Changes (LAR-16-020)

Brief Description of the Plant-Specific Departure:

The design of the Protection and Safety Monitoring System, Qualified Data Processing System (QDPS) and the safety-related displays, are changed. The changes include adding main control room safety-related displays, Divisions A and D; and correcting the name of the QDPS by referring to the QDPS as a system, rather than a subsystem.

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 changes to Tier 1 information, COL Appendix C ITAAC, Tier 2* information and Tier 2 information in the UFSAR which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-16-020) was submitted to the NRC.

The NRC approved this License Amendment and Exemption Request and issued License Amendment 60 to COL NPF-91 for VEGP Unit 3 and COL NPF-92 for VEGP Unit 4, respectively.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-105	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: Regulatory Guide 1.131 Description Changes

Brief Description of the Plant-Specific Departure:

UFSAR (plant-specific DCD) is revised to clarify conformance to Regulatory Guide (RG) 1.131, "Qualification Tests of Electrical Cables, Field Splices, and Connections for Light-Water Cooled Nuclear Power Plants", related to the method for qualifying safety-related electrical and mechanical 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.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-106	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: Human Factors Engineering Editorial Changes

Brief Description of the Plant-Specific Departure:

Editorial and consistency changes are made to human factors engineering references in the UFSAR (plant-specific DCD).

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-108 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: 68
Unit 4 Amendment No.: N/A

Departure Title: Column Line 7.3 Wall Reinforcement Area Change (LAR-16-024)

Brief Description of the Plant-Specific Departure:

The provided minimum vertical reinforcement for the Vogtle Unit 3 Auxiliary Building concrete wall at column line 7.3, from elevation 82'-6" to 100'-0", is reduced from 3.12 in²/ft to 3.08 in²/ft. 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-16-024) was submitted to the NRC.

The NRC approved this License Amendment Request and issued License Amendment 68 to COL NPF-91 for VEGP Unit 3.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-111	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: Safeguards Actuation Signal Reference Changes

Brief Description of the Plant-Specific Departure:

The VEGP 3&4 UFSAR (plant-specific DCD) is revised to correct the use of the terms “safety injection signal” and “safeguards actuation signal.” A clarification is made regarding the signals which directly interface with the Chemical and Volume Control System makeup control system.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-117 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Addition of an Automatic Depressurization System (ADS) Check Valve

Brief Description of the Plant-Specific Departure:

A 1 inch ADS check valve is added to the list of environmentally qualified electrical and mechanical equipment in the UFSAR (plant-specific DCD) for 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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-118 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Changes to Testing of the Instrument and Control Air System

Brief Description of the Plant-Specific Departure:

Exceptions and clarifications are made to Regulatory Guide (RG) 1.68.3, April 1982, "Preoperational Testing of Instrument and Controls Air System." Changes are made for verification of fail-safe operation of air-operated valves from a sudden loss of instrument air or gradual reduction of air pressure to complete loss of system pressure, both sudden and gradual, and to partial reduction in system 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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-119 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Editorial Changes to Update Regulatory Guide Cross-References

Brief Description of the Plant-Specific Departure:

The Regulatory Guide/Section Cross-References table in the UFSAR (plant-specific DCD) is updated for Regulatory Guides 1.89, 1.100, 1.156, and 1.158 to reflect the instances where these Regulatory Guides are discussed within the UFSAR.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-123 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Loss of Normal AC Power and Loss of Offsite Power Changes

Brief Description of the Plant-Specific Departure:

The VEGP 3&4 UFSAR (plant-specific DCD) is revised to correct and clarify the usage of the terms “Loss of normal ac power” and “Loss of offsite power.”

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-124 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Standby Diesel Fuel Oil System (DOS) Tanks and Transfer Package Changes

Brief Description of the Plant-Specific Departure:

The design of the DOS is changed. Included are changes to the tank fill lines, addition of a transfer selection valve to assist in tank filling, expansion of the enclosures to include more equipment, relocation of a drain, addition of an inspection port to the ancillary diesel fuel tank, and the removal of a tank elevation requirement.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-126 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Chemical and Volume Control System (CVS) Changes

Brief Description of the Plant-Specific Departure:

Consistency and editorial clarifications are made to the description of the CVS in the UFSAR (plant-specific DCD).

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-127	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 Underwriters Laboratory (UL) Standards for Heating and Ventilation Components

Brief Description of the Plant-Specific Departure:

The UL standards for heating and ventilation components in several ventilation systems are updated to current industry standards. Changes are also made to heater component configurations.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-128 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Attachment Method Change of the Guide Basket to the Reactor Vessel Internals

Brief Description of the Plant-Specific Departure:

A consistency change is made to UFSAR (plant-specific DCD) to describe the reactor vessel specimen guide basket as bolted to the outside of the core barrel instead of welded to the outside of the core barrel.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-130 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Containment Air Filtration System Local Leak Rate Testing (LLRT)
Changes

Brief Description of the Plant-Specific Departure:

Test connections and valves are added to facilitate LLRT of containment isolation valves. Equipment classification and safety classification changes are made. Duct work downstream of the containment supply air debris screen assembly 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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-132	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: Steam Dump Control System Changes

Brief Description of the Plant-Specific Departure:

The plant trip steam dump controller is eliminated from the steam dump control system in the T_{avg} mode of operation. The Plant Control System control logic is changed to automatically switch to the steam header pressure control mode following a reactor trip, to enable the steam dump controller to maintain steam generator pressure at the no-load fixed pressure setpoint. The signal to close the steam dump control system valves on low wide-range steam generator level 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 deviation from plant-specific DCD design information such that there is more than a minimal increase in the frequency of occurrence of an accident, likelihood of the occurrence of a malfunction of a structure, system or component (SSC) important to safety, consequences of an accident or malfunction; create the possibility of an accident of a different type or malfunction with a different result; result in a design basis limit for a fission product barrier being exceeded or altered; result in a departure from a method of evaluation; or a substantial increase in the probability of an ex-vessel severe accident previously determined to not be creditable such that it would become creditable.

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 evaluation determined that NRC approval was not required prior to implementing this departure.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-133	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: Auxiliary Equipment Changes

Brief Description of the Plant-Specific Departure:

The testing requirements for the reactor coolant pump motor terminals are changed to add a requirement for testing with ultrasonic methods and delete the requirement for testing using radiography methods. The description of the spent fuel rack surveillance coupons is changed to allow different coupon sizes if boron content testing is performed by a percentage of the overall weight of the coupon.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-136 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Plant Lighting System (ELS) Description Change

Brief Description of the Plant-Specific Departure:

The description of the ELS in the UFSAR (plant-specific DCD) is clarified to state that it serves no safety-related function and therefore has no nuclear safety design basis.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-137 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: In-containment Refueling Water Storage Tank (IRWST) Gutter Isolation on Low Steam Generator Level

Brief Description of the Plant-Specific Departure:

The Diverse Actuation System description in UFSAR (plant-specific DCD) is revised to add the closure of the IRWST gutter isolation valves on low wide-range steam generator level, to the list of diverse automatic actuation function list.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-138	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: Steam Generator System Interface Changes

Brief Description of the Plant-Specific Departure:

The steam generator (SG) sampling tap located above the feedwater nozzles is eliminated. Three instrument taps for flow transmitters are added on the SG upper drum. Instrumentation isolation valves are added to isolate the third flow transmitter instrument tap set on each SG and root valves are relocated. Braided flexible hoses are permitted on SG instrumentation lines in accordance with ASME Code Case N-192-3.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-139	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: Layout Change in the Turbine Building

Brief Description of the Plant-Specific Departure:

The size of the condensate polishing area is increased and the size of the chemical storage area is decreased. Associated floor areas, combustible loadings and the equivalent durations associated with these rooms are updated in the fire protection summary in the UFSAR (plant-specific DCD).

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-141	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: Hot Water Heating System (VYS) Changes

Brief Description of the Plant-Specific Departure:

VYS instrumentation and controls are changed to indicate there is more than one heat exchanger level control valve; clarify that the temperature measured downstream of the heat exchangers controls the flow of steam; add a signal to stop the VYS circulating pumps on low suction pressure and remove the interlock to stop the VYS circulating pumps on a low level in the VYS Surge Tank; and clarify that at a high level in the VYS surge tank, makeup from the Demineralized Transfer and Storage System is stopped.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-145 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Changes to the Environmental Qualification Program

Brief Description of the Plant-Specific Departure:

The Environmental Qualification Program as described in the UFSAR (plant-specific DCD) is changed to reflect the insights of the pipe rupture hazard analysis, regarding submergence and spray effects due to high-energy line breaks. Radiation and environmental zone changes for components are also made.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-148 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Changes to Environmental Conditions for Equipment Qualification

Brief Description of the Plant-Specific Departure:

The environmental conditions for equipment qualification, as described in the UFSAR (plant-specific DCD) is revised to clarify that Group 2 abnormal environmental events are based on best estimate analyses. Environmental qualification parameters of temperature and pressure during normal, abnormal and accident conditions for several locations within the plant are changed.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-150 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Passive Containment Cooling System (PCS) Valve Room Changes

Brief Description of the Plant-Specific Departure:

Changes are made to the PCS valve room, as described in the UFSAR (plant-specific DCD) to address temperature ranges that may occur during normal, abnormal and accident conditions. An insulated wall and door are added between the PCS valve room and an adjacent stairway enclosure. Ventilation is removed from a stairwell enclosure adjacent to the PCS valve room. A pipe rupture hazard analysis was reperformed for the PCS valve room and identified the bounding source of flooding as being a through-wall crack in a smaller recirculation 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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-151 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Service Water System (SWS) Chemical Treatment Building Relocation

Brief Description of the Plant-Specific Departure:

The SWS Chemical Treatment Building is relocated adjacent to the condensate storage tank. The evaluation of the distances and types of chemicals to the nearest safety-related structures, systems and components is updated.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-152 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Fire Water Storage Tank Relocation and Environmental Condition Changes

Brief Description of the Plant-Specific Departure:

The fire water/clearwell storage tank and the fire water storage tank are relocated adjacent to one another on the north side of the plant. Several water treatment chemicals are relocated from the Turbine Building to the Service Water System Chemical Treatment Building.

Other changes include a change to show the fire water tank heaters are located with their respective fire water storage tank; the removal of a reducer from the diesel-driven fire pump discharge line; and the incorporation of auxiliary building non-radiologically controlled area pipe rupture hazard analysis evaluations.

Additional changes include adding submergence to the spray qualification for essential equipment; removing moderate-energy pipe crack or spray from a cold high-energy pipe crack qualification; and to reflect the changes in environmental conditions.

Rooms that may be subject to submergence, pipe rupture, or submergence and spray, along with the bounding flood height and duration of the abnormal condition, are added.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-153	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: Fuel Handling System Changes

Brief Description of the Plant-Specific Departure:

The description of the fuel handling system in the UFSAR (plant-specific DCD) is revised to update the design features, clarify the use of equipment used for fuel handling operations, and clarify refueling operation 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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-155	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: Editorial and Consistency Changes to the Radiation Protection Description

Brief Description of the Plant-Specific Departure:

Editorial and consistency changes are made to the Radiation Protection description in the UFSAR (plant-specific DCD) to correct typographical errors, references, and improve reader understanding. These changes pertain to correcting references to appropriate regulatory criteria, correcting room numbers, correcting radiation zoning, and clarifying the location of counting instrumentation.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-157 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Ancillary Diesel Generator Fuel Tank and Panel Breaker Size Changes

Brief Description of the Plant-Specific Departure:

The ancillary diesel generator fuel tank shape, orientation, elevation, principal construction code, design capacity, and operating volume is changed. The changes provide adequate suction head to the fuel transfer pump on the skid of the ancillary diesel generators without the use of a fuel lift pump. Editorial changes are made to rooms, components, and figure names. The title of a cross reference to a figure was changed for consistency. The ancillary diesel generator panel feeder breaker size for the regulating transformer is increased to allow for consistent functioning of the regulating transformer while providing the ability to isolate the electrical system if a power surge or over current condition occurred.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-160	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: Residual Heat Removal System (RNS) Heat Exchanger Capability Changes

Brief Description of the Plant-Specific Departure:

The heat removal capability analysis of the RNS heat exchangers, as described in the UFSAR (plant-specific DCD), is changed from being based on the manufacturer's test results to being calculated based on the manufacturer's heat exchanger data.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-163 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Condensate Storage Tank (CST) Volume Changes

Brief Description of the Plant-Specific Departure:

The volume of the CST is decreased from 657,000 gallons to 656,000 gallons.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-169 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Instrumentation and Controls Clarification

Brief Description of the Plant-Specific Departure:

Editorial and clarification changes are made to the description of instrumentation and controls in the UFSAR (plant-specific DCD). A clarification is also made that the excore nuclear flux signals used for axial offset power control are compensated for changes in density of the water in the reactor vessel downcomer, which is calculated from measurements of cold leg temperature and pressurizer pressure, to account for the effects of moderation of the neutron flux by the reactor vessel downcomer flow.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-170	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: Auxiliary Systems Changes

Brief Description of the Plant-Specific Departure:

Heat values for combustible materials in a Turbine Building Fire Zone are changed. The number of Component Cooling Water System pumps and heat exchangers and Service Water System pumps and cooling tower cells required for refueling (full core offload) is changed from one to two and the associated flow is doubled.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-172	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: Overpressure Protection Changes

Brief Description of the Plant-Specific Departure:

Overpressure protection of pressure vessels in several systems is provided by implementing design changes to add relief devices and establish open flow paths. A clarification is made to the conformance with Regulatory Guide 1.143, Design Guidance for Radioactive Waste Management Systems, Structures, and Components Installed in Light-Water-Cooled Nuclear Power Plants.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2016-173	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: Component Codes and Classification Changes

Brief Description of the Plant-Specific Departure:

The classification and construction codes for Reactor Coolant System components, as described in the UFSAR (plant-specific DCD) are updated. The principal construction code of the steam generator tube bundle support assemblies and feedwater distribution ring supports is changed to manufacturer standard. The principal construction code of the steam generator steam flow limiting venturis is changed to ASME Section III, Class 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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2016-174 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Component Consistency Changes

Brief Description of the Plant-Specific Departure:

Information regarding components that are listed throughout several tables in the UFSAR (plant-specific DCD) is updated for completeness and consistency. Components are added, classifications and codes are revised and post-accident operating times are changed. Editorial changes are made to equipment tag numbers and equipment descriptions.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-002 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Sensing Lines Tap-Sharing Change for Startup Feedwater Flow Orifice

Brief Description of the Plant-Specific Departure:

Startup feedwater flow transmitters used in the Protection and Safety Monitoring System are relocated to separate taps to meet separation criteria for redundant instruments.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-003	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: Changes to Containment / Shield Building Penetrations

Brief Description of the Plant-Specific Departure:

The design of the main steam containment penetration is changed to use high density silicone elastomer sealant with an air gap and penetration seal assembly (flexible boot). The design of the startup feedwater containment penetration is changed to use a penetration seal assembly. The design of the typical electrical containment penetration is changed to use a penetration seal assembly.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-005 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Containment Sump Level Sensors and Testing Changes

Brief Description of the Plant-Specific Departure:

The UFSAR (plant-specific DCD) is updated to reflect that there are three level sensors for the containment sump, for consistency within the plant-specific DCD. The design is changed to move the containment sump level transmitters outside containment while the sensing elements remain inside containment. The preoperational test description for the containment sump level is changed to reflect the use of a local measurement method, in lieu of marking the sump wall, to determine the change in sump level.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-006	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 Annex Building Structural Walls

Brief Description of the Plant-Specific Departure:

Wall thicknesses, door openings, conduit openings, and room dimensions are changed in the Annex Building.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-007	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: Polar Crane Seismic Modeling Changes

Brief Description of the Plant-Specific Departure:

Seismic modeling of the polar crane is changed. These changes include weights, dimensions, number of nodes, and modeling parameters related to the interaction of the polar crane and ring girder with the containment shell.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-008	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: Containment Penetrations Testing Changes

Brief Description of the Plant-Specific Departure:

The departure involves removing small test valves with end caps, from containment isolation valve testing requirements; and changing the valve testing direction to the accident flow direction instead of the reverse direction.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-009	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: Turbine Building Ventilation System (VTS) Changes

Brief Description of the Plant-Specific Departure:

The design of the VTS is changed to add nine additional roof fans, correct the size and shape of the nine existing roof fan vents, and remove the discussion of restroom facilities from descriptions of the VTS. An editorial correction is made to remove platforms shown on the outside corners of the Turbine Building.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-010	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: Description of Main Steam System Capabilities

Brief Description of the Plant-Specific Departure:

The description of the design of Main Steam System in the UFSAR (plant-specific DCD) is clarified regarding step changes and ramp changes in load, without discharging steam to the atmosphere through the main steam safety valves or to the main condenser through the turbine bypass system.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-011 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Turbine Building Ventilation System (VTS) Damper Changes

Brief Description of the Plant-Specific Departure:

The dampers used for the VTS roof exhaust ventilators are changed from pneumatic operated backdraft dampers to gravity-type backdraft dampers.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-012 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Hatch and Opening Changes

Brief Description of the Plant-Specific Departure:

Clarifications, corrections and consistency changes are made to information in the UFSAR (plant-specific DCD) regarding the configuration of hatches and access openings to compartments and 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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-013 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Pressurizer Heater Change

Brief Description of the Plant-Specific Departure:

Editorial and clarification changes are made to the description of the pressurizer heaters in the UFSAR (plant-specific DCD). The rated voltage to one leg of a delta-connected circuit of the pressurizer heaters is changed from 480 volts to 460 volts with one-phase current.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-016	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: Plant Lighting System Diesel Generator Load Changes

Brief Description of the Plant-Specific Departure:

The automatic loading of the onsite standby diesel generators information is updated to change which lighting panel loads are automatically sequenced; simplify the lighting load panel sequence of lighting panels in the Annex, Auxiliary and Turbine Building; and add the Radwaste Building lighting panel, as an automatically sequenced load.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-017	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: Hot Water Heating Coils

Brief Description of the Plant-Specific Departure:

The requirements for testing and rating the hot water unit heaters associated with the Radwaste Building HVAC System and Annex/Auxiliary Building Non-Radioactive HVAC System are changed.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-019	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: Snubbers and Pipe Whip Restraints

Brief Description of the Plant-Specific Departure:

A definition of dual purpose snubbers is added to the UFSAR (plant-specific DCD); and the design of pipe whip restraints is changed to allow the use of entirely elastic structures which transfer the pipe break loads to the main building structure, or use pipe supports (including snubbers, struts, or rigid frames) as pipe whip restraints, when qualified for the pipe break loads.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-020 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Permanent Cavity Seal Ring Changes

Brief Description of the Plant-Specific Departure:

The design description is changed and other editorial and clarification changes are made in the UFSAR (plant-specific DCD) regarding the permanent cavity seal ring.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-021	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: Polar Crane Editorial Change

Brief Description of the Plant-Specific Departure:

An editorial correction is made to a reference regarding the polar crane bridge span in the UFSAR (plant-specific DCD).

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-022	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: Reactor Trip Initiation Consistency Changes

Brief Description of the Plant-Specific Departure:

A description of automatic reactor trip initiation in the UFSAR (plant-specific DCD) is changed to include Passive Residual Heat Removal (PRHR) heat exchanger discharge valves not closed, Automatic Depressurization System actuation and core makeup tank actuation to the list of actions that will initiate an automatic reactor trip. An additional clarification is added that a reactor trip is initiated when either PRHR discharge valve is not closed.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-024 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Turbine Building Ventilation Changes

Brief Description of the Plant-Specific Departure:

The design description of the ventilation for the Lube Oil Reservoir Room and the Clean and Dirty Lube Oil Storage Room is changed to describe how intake air enters these rooms during normal operations; and the requirement for these rooms to have lower pressure than the Turbine Building general area is eliminated.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-026 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Main Control Room Emergency Habitability System Refill Line
Relocation

Brief Description of the Plant-Specific Departure:

A Compressed and Instrument Air System relief valve on the piping line going to the Main Control Room Emergency Habitability System main refill line is relocated to the high-pressure air receiver; and the symbol representing the high-pressure air receiver is changed.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-027	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: Turbine-Generator Clarifications

Brief Description of the Plant-Specific Departure:

UFSAR (plant-specific DCD) is revised to clarify that the stop and reheat stop fast-acting valves for the digital electrohydraulic controls are connected to the auto stop emergency trip header; and a clarification is made to the function of the intercept valves during a partial load rejection.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-033 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Probabilistic Risk Assessment (PRA) Editorial and Consistency Changes

Brief Description of the Plant-Specific Departure:

Editorial and constancy changes are made to the description of the PRA in the UFSAR (plant-specific DCD).

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-034	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: Vogtle Unit 3 Piping Penetration Change

Brief Description of the Plant-Specific Departure:

The design of the Vogtle Unit 3 normal residual heat removal piping penetration is changed to allow for the existence of a small amount of concrete between the containment penetration sleeve and the compressible 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.

ND-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-035 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Service Water System (SWS) Supply Temperature Change

Brief Description of the Plant-Specific Departure:

The water temperature and heat transfer rates for the Service Water System to the Component Cooling Water System are changed.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-036	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: Protection and Safety Monitoring System (PMS) Change

Brief Description of the Plant-Specific Departure:

The design description of the PMS function during of a loss of normal residual heat removal during shutdown is revised to change the time delay for the actuation of the Automatic Depressurization System Stage 4 valves and the in-containment refueling water storage tank injection valves to initiate injection flow.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-037 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Elevation Changes to Hose Stations

Brief Description of the Plant-Specific Departure:

The design of the Fire Protection System is changed to relocate the elevation of hose stations in the middle annulus.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-038 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Changes to Containment Penetration Isolation Valves

Brief Description of the Plant-Specific Departure:

Design information and the descriptions of containment penetration isolation valves in the Chemical and Volume Control System and the Steam Generator System are changed.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-041	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: Occupational Radiation Exposure Features

Brief Description of the Plant-Specific Departure:

This departure modifies the description of features and activities associated with occupational radiation exposure in the UFSAR (plant-specific DCD).

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-042	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: Ventilation System Code Changes

Brief Description of the Plant-Specific Departure:

The testing and inspection code requirements for nonsafety-related ventilation systems are changed.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-043 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Through-Wall Penetration Sloping Requirements

Brief Description of the Plant-Specific Departure:

The design of the equipment and floor drains is changed to provide an exception for drain sloping requirements for through-wall piping penetrations.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

<u>Departure Number:</u>	LDCR-2017-046	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: Raw Water System (RWS) Changes

Brief Description of the Plant-Specific Departure:

The design of the RWS is changed to relocate isolation valves, recirculation lines, instrumentation and to make other piping configuration and layout changes.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-047 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Potable Water System (PWS) Description Change

Brief Description of the Plant-Specific Departure:

An editorial clarification is made to the description of the PWS for the Main Control Room.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-048 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Addition of Locked Entrances to High Radiation Areas

Brief Description of the Plant-Specific Departure:

Locked entrances are added to the entry doors to the Normal Residual Heat Removal System (RNS) pump rooms, piping/valve room, lower annulus east room, and RNS heat exchangers room, which have the potential for high radiation dose rates during normal and/or shutdown conditions.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-049 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Central Chilled Water System (VWS) Low Capacity Subsystem Changes

Brief Description of the Plant-Specific Departure:

Design of the low capacity VWS is changed from using a glycol solution for freeze protection in the chilled water piping, to using water and providing electrically powered freeze protection for the piping and associated equipment subject to freezing. Other design changes to the low capacity VWS are made to increase the electrical rating of the air-cooled chillers, remove oil coolers and to relocate temperature elements. The electrical loads for automatic and manual loads sequenced onto the onsite standby diesel generators are changed to account for the electrically powered freeze protection and equipment rating changes.

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-17-0959
Enclosure 2
VEGP Units 3 and 4
10 CFR 52, Appendix D Departure Report
for the Period of November 11, 2016 through May 10, 2017

Departure Number: LDCR-2017-050 **License Amendment:** Yes No
Exemption: Yes No
Unit 3 Amendment No.: N/A
Unit 4 Amendment No.: N/A

Departure Title: Nuclear Island Nonradioactive Ventilation System (VBS) Supplemental Air Filtration Fan Performance Changes

Brief Description of the Plant-Specific Departure:

The design of the VBS supplemental air filtration fans are changed to decrease the fan static pressure for a single operating fan and add the design air flow and fan static pressure per fan when both fans are running.

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.