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SOUTHERN COMPANY

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10 CFR 50.59

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Washington, DC 20555-0001

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

Ladies and Gentlemen:

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

For the period of June 8, 2014 to December 7, 2014, there were no changes, tests or experiments made pursuant to paragraph (c) of 10 CFR 50.59.

A report of plant-specific departures required by 10 CFR 52, Appendix D, paragraphs X.B.1 and X.B.3.b is provided as Enclosure 1 for the period of June 8, 2014 to December 7, 2014.

This letter contains no regulatory commitments. If you have questions, please contact Mr. Jason Redd at 205-992-6435.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY

Brian H. Whitley

BHW/GAB/kms

Enclosure 1: Vogtle Electric Generating Plant (VEGP) Units 3 and 4, Semi-Annual Departure Report for the Period of June 8, 2014 to December 7, 2014

cc:

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Southern Nuclear Operating Company

ND-14-1956

Enclosure 1

Vogtle Electric Generating Plant (VEGP) Units 3 and 4

Semi-Annual Departure Report

for the Period of

June 8, 2014 to December 7, 2014

(70 pages, including this cover page)

Departure Number: LDCR-2013-034

Departure Title: Tier 1 Editorial and Consistency Changes (LAR-13-017)

Brief Description of the Plant-Specific Departure:

This departure consists of changes to various VEGP 3&4 (plant-specific DCD) Tier 1 information (and COL Appendix C) to correct editorial errors and achieve consistency with the VEGP 3&4 UFSAR (plant-specific DCD) Tier 2 information.

Summary of the Evaluation:

This departure involved Tier 1 information, and Combined License (COL) Appendix C information; therefore, a License Amendment and Exemption Request (LAR-13-017) were submitted to the NRC.

The NRC approved this departure and exemption and issued License Amendment 23 to Combined Licenses NPF-91 and NPF-92 for VEGP Units 3 and 4, respectively.

Departure Number: LDCR-2013-046

Departure Title: Enclosures for Class 1E Electrical Penetrations in Middle Annulus (LAR-13-023)

Brief Description of the Plant-Specific Departure:

The enclosure for the Division A Class 1E electrical penetrations is removed, and the Division A Class 1E electrical penetrations become a part of the existing middle annulus fire zone, 1200 AF 01. Three enclosures are created in the middle annulus to house the Division B, C, and D Class 1E electrical penetrations, and new fire zones are created for each of these enclosures. The creation of new fire zones also results in the modification of current fire area boundaries. This departure changes UFSAR (plant-specific DCD) Chapters 3, 9 and 12.

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-13-023) was submitted to the NRC.

The NRC approved this departure and issued License Amendment 25 to Combined Licenses NPF-91 and NPF-92 for VEGP Units 3 and 4, respectively.

Departure Number: LDCR-2013-062

Departure Title: Spent Fuel Cask Transfer Pad Addition and Cask Transporter Rail Elimination

Brief Description of the Plant-Specific Departure:

A concrete transfer pad, approximately 25 ft. x 80 ft. is added outside the Radwaste Building, to be used for transferring spent fuel casks outside of the building, from a low profile cask transporter onto a typical cask transporter. In addition, the existing rails that were initially planned for transporting spent fuel casks through the Auxiliary Building and Radwaste Building are eliminated, and the grooves they were located in are filled with low density grout. This departure changes UFSAR (plant-specific DCD) Chapters 3 and 12.

Summary of the Evaluation:

This plant-specific departure to add a concrete transfer pad and eliminate the cask transporter rails 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.

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.

Departure Number: LDCR-2013-066

Departure Title: Reclassification of Portions of Human Factors Verification and Validation Planning Documents (LAR-13-034)

Brief Description of the Plant-Specific Departure:

Portions of the five Tier 2* Human Factors (HF) Verification and Validation (V&V) planning documents listed in UFSAR (plant-specific DCD) Table 1.6-1 and Chapter 18, Subsection 18.11.2 are reclassified as Tier 2 information. In UFSAR Subsection 18.11.2, notes are added to clarify which portions of these documents are Tier 2* and which are Tier 2. In UFSAR Table 1.6-1 and Subsection 18.11.2, the revision number of each document is also moved outside the Tier 2* brackets, since the revision number is reclassified as Tier 2 information.

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-13-034) was submitted to the NRC.

The NRC approved this departure and issued License Amendment 22 to Combined Licenses NPF-91 and NPF-92 for VEGP Units 3 and 4, respectively.

Departure Number: LDCR-2013-079

Departure Title: Annex Building Egress Access Doors

Brief Description of the Plant-Specific Departure:

The Annex Building design has changed to add and modify several internal and external doors used for egress. This departure changes UFSAR (plant-specific DCD) Chapters 1, 3, 9 and 12.

Summary of the Evaluation:

This plant-specific departure to add or modify internal and external doors in the Annex Building 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.

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.

Departure Number: LDCR-2013-083

Departure Title: Turbine Building Ventilation System Clarification

Brief Description of the Plant-Specific Departure:

The Gaseous Waste Management System information in UFSAR (plant-specific DCD) Chapter 11 is revised to clarify that the design of the Turbine Island Vents, Drains, and Relief System (TDS) provides the release path for the Condenser Air Removal System (CMS) and gland seal condenser exhaust, but does not provide a release path for the Turbine Building Ventilation System (VTS).

Summary of the Evaluation:

This plant-specific departure to clarify the Turbine Building ventilation information in UFSAR Section 11.3 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.

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.

Departure Number: LDCR-2013-088

Departure Title: Auxiliary Building Structural Floor Details (LAR-14-003)

Brief Description of the Plant-Specific Departure:

The description of the design of floors in the Auxiliary Building, as described in Tier 2* text and figures in UFSAR (plant-specific DCD) Chapter 3, Appendix 3H, are changed. The changes include design information of the cast-in-place concrete and precast concrete panels, the rearrangement of reinforcement bars, requirements for development and anchoring of headed reinforcement and the size of metal decking supporting wet concrete.

Summary of the Evaluation:

This departure involved Tier 2* in the UFSAR, therefore, a License Amendment Request (LAR-14-003) was submitted to the NRC.

The NRC approved this departure and issued License Amendment 21 to Combined Licenses NPF-91 and NPF-92 for VEGP Units 3 and 4, respectively.

Departure Number: LDCR-2013-093

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

Brief Description of the Plant-Specific Departure:

A new Chemical Treatment Building is added near the Turbine Building, adjacent to the SWS Cooling Towers. Chemicals and associated equipment used to treat the SWS, which were previously located in the Turbine Building, are moved to the new Chemical Treatment Building. SWS chemical injection points, previously located on SWS piping, are moved to inject chemicals directly into the SWS cooling tower basins. Other chemicals and equipment are relocated within the Turbine Building, including the caustic chemical feed skid and tank that supports the Demineralized Water Treatment System (DTS). This departure changes UFSAR (plant-specific DCD) Chapters 1, 3, 6, 9, 10 and 12.

Summary of the Evaluation:

This plant-specific departure to add the SWS Chemical Treatment Building and relocate chemicals 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.

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.

Departure Number: LDCR-2013-097

Departure Title: Primary Sampling System (PSS) Containment Atmosphere Sample Supply Line Size and Inlet Location Changes

Brief Description of the Plant-Specific Departure:

The gaseous portion of the PSS is changed to increase the diameter of the sample tubing from the containment atmosphere, and split the supply line into two lines inside containment, taking samples from two separate locations at the inlet of each set of containment recirculation fans. Heat tracing is added to the containment atmosphere sample line outside containment. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to the PSS containment atmosphere sample supply line 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.

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.

Departure Number: LDCR-2013-110

Departure Title: High Pressure Hydrogen Switchover Station for Plant Gas System (PGS)

Brief Description of the Plant-Specific Departure:

The design of the high pressure hydrogen gas storage tanks within the PGS has changed to use four 6,000 psi hydrogen bottles (two banks with two bottles per bank) and a hydrogen switchover station to switch hydrogen gas supply over to the other bank when a bank is depleted. An additional change includes a flow restricting device to limit the maximum flow rate if a break occurs downstream of the hydrogen supply. This departure changes UFSAR (plant-specific DCD) Chapter 3.

Summary of the Evaluation:

This plant-specific departure to the high pressure hydrogen gas storage tanks 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.

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.

Departure Number: LDCR-2013-112

Departure Title: Consolidating the Health Physics (HP) Counting Room with an Adjoining Office in the Annex Building

Brief Description of the Plant-Specific Departure:

The HP Counting Room and an adjoining Office inside the Annex Building are merged, creating one larger HP Counting Room. The Office is eliminated. This departure changes UFSAR (plant-specific DCD) Chapters 1, 9 and 12.

Summary of the Evaluation:

This plant-specific departure to increase the size of the HP Counting Room and eliminate the Office 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.

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.

Departure Number: LDCR-2014-029

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

Brief Description of the Plant-Specific Departure:

A check valve is added in the common ADS-1, 2 and 3 discharge leakage collection drain line. This departure changes UFSAR (plant-specific DCD) Chapters 3 and 5.

Summary of the Evaluation:

This plant-specific departure to add a check valve in the ADS discharge leakage collection drain line 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.

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.

Departure Number: LDCR-2014-030

Departure Title: Changes to Hatches, Doors, and Platforms and the Addition of a Ladder and Personnel Basket in the Nuclear Island

Brief Description of the Plant-Specific Departure:

Access hatches in the Auxiliary Building are changed from large individual hatches to multiple smaller hatches. A personnel basket is added to the Shield Building. Platforms are added in the Chemical and Volume Control System (CVS) room inside Containment. Fire doors are added to the Containment Isolation Valve Room and the Primary Sample Room. Doors in the Auxiliary Building at elevation 107′-2″ and 135′-3″, and the access way between them, are deleted. A ladder is added at the north-east boundary of the fuel handling area in the Tool Room leading from elevation 135′-3″ to elevation 151′-3″. This departure changes UFSAR (plant-specific DCD) Chapters 1, 3, 9, and 12.

Summary of the Evaluation:

This plant-specific departure to change hatches, doors, and platforms and add a ladder and personnel basket in the Nuclear Island 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.

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.

Departure Number: LDCR-2014-032

Departure Title: Use of Reinforced Concrete Masonry Walls in Stairwell Enclosures

Brief Description of the Plant-Specific Departure:

The requirement to use concrete/steel composite material for the stairwell enclosures that are exposed to the interior of the Turbine Building, Annex Building, and Diesel Generator Building is eliminated. The requirement for a minimum two hour fire rating for these walls is retained. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to the stairwell enclosures of the Turbine Building, Annex Building, and Diesel Generator Building, 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.

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.

Departure Number: LDCR-2014-033

Departure Title: Exhaust Ventilation Flow Path Changes for Annex Building Rooms

Brief Description of the Plant-Specific Departure:

The Annex/Auxiliary Building Nonradioactive Ventilation System (VXS) for Annex Building Rooms 40442 and 40340 is changed from a recirculating path to a direct exhaust to the atmosphere. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to the exhaust ventilation flowpath for Annex Building Rooms 40442 and 40340 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.

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.

Departure Number: LDCR-2014-034

Departure Title: Reactor Pressure Vessel (RPV) Head Vent Valve Description Clarification

Brief Description of the Plant-Specific Departure:

UFSAR (plant-specific DCD) Chapter 19, Section 19D is changed to indicate that the RPV head vent valves are solenoid-operated, not air-operated.

Summary of the Evaluation:

This plant-specific departure to clarify UFSAR Section 19D regarding the type of RPV head vent valves 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.

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.

Departure Number: LDCR-2014-040

Departure Title: Improvements to the Waste Water System (WWS)

Brief Description of the Plant-Specific Departure:

An electrical transformer area sump and associated pump are added to collect and pump waste water from the transformer area to the oil separator. The Diesel Generator Building sump pump discharge is rerouted from the Turbine Building WWS sumps to the oil separators directly. An oil separator sump and associated pumps are added near the oil separator located in the yard to collect water processed by the oil separator and pump it to the waste water retention basins. The discussion of "vertical coalescing tubes" was removed from the description of the oil separator. This departure changes UFSAR (plant-specific DCD) Chapters 3 and 9.

Summary of the Evaluation:

This plant-specific departure to improve the WWS 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.

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.

Departure Number: LDCR-2014-042

Departure Title: Component Cooling Water System (CCS) Radiation Monitor and Valve Changes

Brief Description of the Plant-Specific Departure:

A supply and return line and sample pump are added to the CCS radiation monitor. A class break is added to clarify that valve CCS-PL-V130 is Class D. The CCS Heat Exchanger Bypass Valves are changed to be normally closed valves. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to the CCS radiation monitor and valves 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.

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.

Departure Number: LDCR-2014-043

Departure Title: Cask Handling Crane Bridge Span Change

Brief Description of the Plant-Specific Departure:

The Cask Handling Crane Bridge span is changed from 61.75 feet to 60 feet-2 inches. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to the change the span of the Cask Handling Crane Bridge 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.

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.

Departure Number: LDCR-2014-045

Departure Title: Chemical Treatment of Startup Feedwater

Brief Description of the Plant-Specific Departure:

Turbine Island Chemical Feed System (CFS) injection points are added at the suction side of the Startup Feedwater Pumps A and B. This departure changes UFSAR (plant-specific DCD) Chapter 10.

Summary of the Evaluation:

This plant-specific departure to add chemical injection points at the suction side of the Startup Feedwater Pumps 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.

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.

Departure Number: LDCR-2014-046

Departure Title: Clarification of Leak-Before-Break (LBB) and Break Exclusion Zone (BEZ) Piping Boundaries

Brief Description of the Plant-Specific Departure:

Clarifications to the LBB and BEZ piping boundaries are made for the Main Steam lines, Main and Startup Feedwater lines, Steam Generator Blowdown lines, and the Chemical and Volume Control System (CVS) makeup line. A reference to ASME Section III, Paragraph NE-3221(c) is corrected to NE-3221. This departure changes UFSAR (plant-specific DCD) Chapters 3 and 10.

Summary of the Evaluation:

This plant-specific departure to clarify the LBB and BEZ boundaries and correct a code reference 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.

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.

Departure Number: LDCR-2014-051

Departure Title: Addition of Isophase Bus Duct Coolers

Brief Description of the Plant-Specific Departure:

Isophase Bus Duct coolers are added in the Turbine Building, requiring the relocation of potential transformer cabinets and portions of the Demineralized Water Treatment System (DTS), Turbine Island Chemical Feed System (CFS), and Condensate Polishing System (CPS) within the Turbine Building. This departure changes UFSAR (plant-specific DCD) Chapters 1, 9, and 12.

Summary of the Evaluation:

This plant-specific departure to add Isophase Bus Duct coolers, and relocate the potential transformer cabinets and portions of other systems within the Turbine Building, 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.

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.

Departure Number: LDCR-2014-052

Departure Title: Delayed Auxiliary Building Construction Sequence

Brief Description of the Plant-Specific Departure:

The limiting construction sequence for the delayed Auxiliary Building case is changed to allow Shield Building construction to proceed to higher levels. This departure required a revision to UFSAR (plant-specific DCD) Chapter 3.

Summary of the Evaluation:

This plant-specific departure to the construction sequence, for the delayed Auxiliary Building case, 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.

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.

Departure Number: LDCR-2014-053

Departure Title: Gland Seal System (GSS) Changes

Brief Description of the Plant-Specific Departure:

The GSS relief valve discharge flow path is changed to Condenser A rather than Condenser C. The secondary loop seal drain line off the Gland Seal Condenser is eliminated. The orifices of each of the Combined Reheat Valves (CRVs) are changed to globe valves. A check valve is added to the Main Stop Valve (MSV) steam leak-off line. This departure changes UFSAR (plant-specific DCD) Chapter 10.

Summary of the Evaluation:

This plant-specific departure to the GSS 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.

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.

Departure Number: LDCR-2014-054

Departure Title: Swing Check Valves in the Equipment and Floor Drainage System

Brief Description of the Plant-Specific Departure:

UFSAR (plant-specific DCD) Chapter 9 is changed to permit the installation of swing check valves in vertical piping runs in the equipment and floor drainage system.

Summary of the Evaluation:

This plant-specific departure to permit the installation of swing check valves in vertical piping runs in the equipment and floor drainage system 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.

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.

Departure Number: LDCR-2014-055

Departure Title: Primary Sampling System (PSS) Delay Coil Changes

Brief Description of the Plant-Specific Departure:

The PSS design is changed to add a delay coil on the Reactor Coolant System (RCS) hot leg 2 sample line, and to eliminate the delay coil on the RCS Pressurizer sample line. The orientation of PSS-PL-V082 and PSS-PL-V083 are changed to be oriented upwards, and to designate the test connections as a “test vent” (TV). The closure of the two drains located near PSS-PL-V085 and PSS-PL-V086 are modified to become plugs instead of blind flanges. Component information for the two hot leg sample delay coils (PSS-PY-Y01 and PSS-PY-Y02) and the hot leg sample delay coil assembly (PSS-MY-Y05) are added to the UFSAR. This departure changes UFSAR (plant-specific DCD) Chapters 3 and 9.

Summary of the Evaluation:

This plant-specific departure to the PSS 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.

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.

Departure Number: LDCR-2014-056

Departure Title: Pressurizer Support Details

Brief Description of the Plant-Specific Departure:

Elevation and dimensional information are eliminated, and code jurisdictional boundaries for ACI-349 / AISC N690 and ASME Boiler and Pressure Vessel Code, Section III, Subsection NF are added to the pressurizer support figures in UFSAR (plant-specific DCD) Chapter 3.

Summary of the Evaluation:

This plant-specific departure to the pressurizer support details 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.

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.

Departure Number: LDCR-2014-057

Departure Title: Main Control Room Emergency Habitability System (VES) Emergency Air Storage Tank Clarification

Brief Description of the Plant-Specific Departure:

UFSAR (plant-specific DCD) Chapter 14 is updated to clarify that there are four sets of VES emergency air storage tanks.

Summary of the Evaluation:

This plant-specific departure to clarify that there are four sets of VES emergency air storage tanks 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.

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.

Departure Number: LDCR-2014-058

Departure Title: Changes to Instrumentation for Neutron Monitoring

Brief Description of the Plant-Specific Departure:

The in-core neutron detector material for the In-core Instrumentation System (IIS) is changed from rhodium to vanadium, resulting in a change in the discussion of errors associated with the depletion characteristics of the in-core instrumentation detector materials. The number of radial locations of ex-core neutron detectors is changed from eight to twelve, with each neutron detector (four source range (SR) detectors, four intermediate range (IR) detectors, and four power range (PR) detectors) in its own instrument well. This departure changes UFSAR (plant-specific DCD) Chapter 4.

Summary of the Evaluation:

This plant-specific departure to the in-core instrumentation detector material and to the number of ex-core detector locations 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.

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.

Departure Number: LDCR-2014-059

Departure Title: Integrated Head Package (IHP) Design Description Information

Brief Description of the Plant-Specific Departure:

Additional design description information associated with the components of the IHP is added to UFSAR (plant-specific DCD) Chapter 3.

Summary of the Evaluation:

This plant-specific departure to add design description information associated with the components of the IHP 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.

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.

Departure Number: LDCR-2014-061

Departure Title: Clarifications to Conformance with Regulatory Guides 1.115 and 1.133

Brief Description of the Plant-Specific Departure:

Conformance to Regulatory Guide 1.115, "Protection Against Low-Trajectory Turbine Missiles," is updated to specify that there are three low pressure turbines rather than two. Conformance to Regulatory Guide 1.133, "Loose-Part Detection Program for the Primary System of Light-Water Reactors," is changed to take exception to Criterion C.5. Conformance to Criterion C.6 is updated to delete the portion of the text referring to the Technical Specifications (TS), and to add text that addresses the responsibilities for plant procedures. This departure changes UFSAR (plant-specific DCD) Chapter 1.

Summary of the Evaluation:

This plant-specific departure to the conformance with Regulatory Guides 1.115 and 1.133 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.

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.

Departure Number: LDCR-2014-062

Departure Title: Update Fire Zone Information in the Fire Protection Analysis

Brief Description of the Plant-Specific Departure:

Fire zone information in UFSAR (plant-specific DCD) Chapter 9 is updated to add fire zone boundaries, fire loads, delete redundant fire loads and correct editorial errors.

Summary of the Evaluation:

This plant-specific departure to update the fire zone information in the Fire Protection Analysis 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.

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.

Departure Number: LDCR-2014-066

Departure Title: Onsite Standby Power System (ZOS) Piping and Instrumentation Diagram (P&ID) Changes

Brief Description of the Plant-Specific Departure:

The ZOS P&ID shown in UFSAR (plant-specific DCD) Chapter 8 is revised to remove information associated with the Diesel Generator electrical protection, and to correct labeling of equipment.

Summary of the Evaluation:

This plant-specific departure to the ZOS P&ID 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.

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.

Departure Number: LDCR-2014-069

Departure Title: Spent Fuel Pool Cooling System (SFS) Changes

Brief Description of the Plant-Specific Departure:

The SFS stop check valves downstream of the SFS pumps are changed to check valves and the normally closed gate valve downstream of the In-containment Refueling Water Storage Tank (IRWST) is changed to a normally open butterfly valve. The SFS Heat Exchanger Side 1 maximum design pressure is changed from 150 psig to 200 psig and the maximum design temperature is changed from 250°F to 200°F. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to the SFS valves and heat exchanger 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.

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.

Departure Number: LDCR-2014-070

Departure Title: Nuclear Island Nonradioactive Ventilation System (VBS) Ventilation Damper Changes

Brief Description of the Plant-Specific Departure:

Automatically controlled ventilation dampers in the VBS are changed from electro-hydraulic actuators to electro-mechanical actuators. VBS dampers are relocated and a damper is numbered. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to the ventilation dampers in VBS 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.

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.

Departure Number: LDCR-2014-071

Departure Title: Chemical Volume and Control System (CVS) Demineralizer Design Change

Brief Description of the Plant-Specific Departure:

The inflow screen in the CVS cation bed and mixed bed demineralizers is replaced with a flow diverter. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to the CVS demineralizers 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.

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.

Departure Number: LDCR-2014-072

Departure Title: Passive Core Cooling System (PXS) Core Makeup Tank (CMT) Instrumentation Changes

Brief Description of the Plant-Specific Departure:

CMT temperature sensors are modified so that there are two sensors for the upper, two sensors for the middle, and two sensors for the lower portions of the CMT. CMT level sensor information is updated to include the statement that each upper level tap line has a downward slope of ≥ 2.4 degrees from the centerline of the connection of the CMT to the centerline of the connection to the standpipe. Additional editorial changes are made to the description of the PXS. This departure changes UFSAR (plant-specific DCD) Chapters 6 and 14.

Summary of the Evaluation:

This plant-specific departure to the CMT instrumentation and PXS editorial changes 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.

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.

Departure Number: LDCR-2014-076

Departure Title: Secondary Sampling System (SSS) Changes

Brief Description of the Plant-Specific Departure:

The SSS sodium analyzers for the deaerator inlet and steam generator main steam sample streams are combined and sampled semi-continuously instead of continuously. This departure changes UFSAR (plant-specific DCD) Chapters 9, 10, and 14.

Summary of the Evaluation:

This plant-specific departure to the SSS sodium analyzers for the deaerator inlet and steam generator main steam sample streams 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.

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.

Departure Number: LDCR-2014-078

Departure Title: Relief Valve Discharge Line Changes to the Liquid Radwaste System (WLS)

Brief Description of the Plant-Specific Departure:

The Chemical and Volume Control (CVS) letdown relief valve discharge line is moved to merge directly into the Steam Generator Blowdown System (BDS) common header drain line to the WLS. This departure changes UFSAR (plant-specific DCD) Chapter 11.

Summary of the Evaluation:

This plant-specific departure to the BDS and CVS relief valve discharge lines to the WLS 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.

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.

Departure Number: LDCR-2014-081

Departure Title: Changes to the Steam Generator Blowdown System (BDS)

Brief Description of the Plant-Specific Departure:

The BDS orifice to the main condenser is replaced with an air-operated globe valve and manual gate valve. The orifice from the BDS to the Liquid Radwaste System (WLS) is eliminated. This departure changes UFSAR (plant-specific DCD) Chapter 10.

Summary of the Evaluation:

This plant-specific departure to the BDS 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.

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.

Departure Number: LDCR-2014-085

Departure Title: Changes to Refueling Machine and Fuel Handling Machine Terminology

Brief Description of the Plant-Specific Departure:

The Refueling Machine “gripper tube” is changed to “inner mast.” The “refueling machine hoists” are changed to “fuel handling machine hoists.” This departure changes UFSAR (plant-specific DCD) Chapters 9 and 14.

Summary of the Evaluation:

This plant-specific departure to the Refueling Machine and Fuel Handling Machine terminology 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.

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.

Departure Number: LDCR-2014-087

Departure Title: Incorporation of WESTEMS Computer Program for ASME Section III Fatigue Analysis

Brief Description of the Plant-Specific Departure:

The WESTEMS computer code (a methodology change previously approved by the NRC) is added as a computer program for Seismic Category I components to perform ASME Boiler and Pressure Vessel Code Section III Class 1 fatigue analysis of piping and components. This departure changes UFSAR (plant-specific DCD) Chapter 3.

Summary of the Evaluation:

This plant-specific departure to include the use of the WESTEMS computer code to perform ASME Section III Class 1 fatigue analysis of piping and components 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.

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.

Departure Number: LDCR-2014-089

Departure Title: Addition of an Alternative Waterproofing Membrane System

Brief Description of the Plant-Specific Departure:

This change adds a new type of waterproofing membrane system for application on the vertical walls of the Nuclear Island (NI) below grade. The new system consists of an embedded high-density polyethylene (HDPE) liner and a transition from the HDPE liner to the sprayed-on waterproofing membrane on the Mechanically Stabilized Earth (MSE) walls. An additional change is made to clarify that the gap between the MSE wall and the NI wall may be sealed prior to extending the NI wall above grade. This departure changes UFSAR (plant-specific DCD) Chapter 3.

Summary of the Evaluation:

This plant-specific departure to add an alternative waterproofing membrane system 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.

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.

Departure Number: LDCR-2014-090

Departure Title: Turbine Building First Bay Radiation Zones Change

Brief Description of the Plant-Specific Departure:

The Steam Generator Blowdown System (BDS) electrodeionization (EDI) demineralizing units and BDS heat exchangers were relocated and reoriented within the first bay of the Turbine Building. Relocation of this equipment results in a potential increase in the radiation zone levels in this area of the Turbine Building, in the event of a primary to secondary tube leak. This departure changes UFSAR (plant-specific DCD) Chapter 12.

Summary of the Evaluation:

This plant-specific departure to potentially increase the radiation zone levels in the Turbine Building first bay 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.

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.

Departure Number: LDCR-2014-093

Departure Title: Turbine Lube Oil Reservoir Volume Increase

Brief Description of the Plant-Specific Departure:

The volume of the Turbine Lube Oil Reservoir is increased from 17,000 to 21,000 gallons. The increase in quantity of lube oil results in changes to the amount of combustible materials and associated parameters provided in the Fire Protection Summary in UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to increase the volume of the Turbine Lube Oil Reservoir 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.

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.

Departure Number: LDCR-2014-100

Departure Title: Radwaste Building HVAC System (VRS) Supply Fan Controls

Brief Description of the Plant-Specific Departure:

The VRS controls are changed by removing the limit switch and associated electronic interlock that reduced supply fan airflow to 6,000 cubic feet per minute (CFM) when the Radwaste Building truck access door is open. An editorial change is made to indicate that an alarm is sent to the Main Control Room and the Central Alarm Station and that VRS is shutdown automatically, if the Fire Protection System (FPS) is actuated. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to the VRS to remove the supply fan airflow interlock 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.

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.

Departure Number: LDCR-2014-103

Departure Title: Clarification of Containment Isolation Valve Manual Override Capability

Brief Description of the Plant-Specific Departure:

The description of the manual override capability for containment isolation valves is revised to clarify that this feature applies to all containment isolation valves equipped with power operators. This departure changes UFSAR (plant-specific DCD) Chapter 6.

Summary of the Evaluation:

This plant-specific departure to clarify the manual override capability for containment isolation valves 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.

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.

Departure Number: LDCR-2014-104

Departure Title: Additional Weld Metals for Alloy 690

Brief Description of the Plant-Specific Departure:

This departure allows the use of additional weld metal alloys with Alloy 690 in principal pressure retaining components that are in contact with borated water. This departure changes UFSAR (plant-specific DCD) Chapter 6.

Summary of the Evaluation:

This plant-specific departure to allow the use of additional weld metal alloys 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.

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.

Departure Number: LDCR-2014-106

Departure Title: Incore Instrumentation System (IIS) Interface with Plant Instrumentation and Controls (I&C) Network

Brief Description of the Plant-Specific Departure:

This departure routes the non-safety portion of the IIS through a datalink server prior to interfacing with the plant I&C network. This departure changes UFSAR (plant-specific DCD) Chapter 7.

Summary of the Evaluation:

This plant-specific departure to the IIS interface with the plant I&C network 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.

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.

Departure Number: LDCR-2014-108

Departure Title: Passive Containment Cooling System (PCS) and Passive Core Cooling System (PXS) Materials

Brief Description of the Plant-Specific Departure:

Additional pressure-retaining materials are added to the list of materials that may be used for components within the PCS and PXS. Editorial changes to this list are also made. This departure changes UFSAR (plant-specific DCD) Chapter 6.

Summary of the Evaluation:

This plant-specific departure to add additional pressure-retaining materials for use in the PCS and PXS 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.

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.

Departure Number: LDCR-2014-109

Departure Title: Containment Air Filtration System (VFS) Chilled Water Source

Brief Description of the Plant-Specific Departure:

The VFS Piping and Instrumentation Diagram (P&ID) is corrected to show the chilled water source for the Train B air handling unit cooling coils coming from the Central Chilled Water System (VWS). This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to correct the VFS P&ID 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.

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.

Departure Number: LDCR-2014-111

Departure Title: Removal of Below Grade Foam Filler Between the Nuclear Island and Adjacent Buildings

Brief Description of the Plant-Specific Departure:

The seismic gap design between the Nuclear Island and adjacent seismic Category II and non-seismic structures is revised to remove the joint foam filler material below grade, and is replaced with a flexible rubber-like material at the top and bottom edges and a waterproof membrane along the vertical sides to protect from debris. The Nuclear Island and adjacent structures foundation plan is changed to correct the Auxiliary Building / Annex Building basemat elevation and reorient section views. This departure changes UFSAR (plant-specific DCD) Chapter 3.

Summary of the Evaluation:

This plant-specific departure to remove the below grade filler material between the Nuclear Island and Adjacent Buildings, and to correct the foundation plan 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.

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.

Departure Number: LDCR-2014-113

Departure Title: Addition of ASME Code Case N-405-1

Brief Description of the Plant-Specific Departure:

The design of the pressurizer is revised to include the use of ASME Code Case N-405-1 "Socket Welds, Section III, Division 1." This departure changes UFSAR (plant-specific DCD) Chapter 5.

Summary of the Evaluation:

This plant-specific departure to add ASME Code Case N-405-1 to the list of approved code cases 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.

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.

Departure Number: LDCR-2014-114

Departure Title: Editorial Changes

Brief Description of the Plant-Specific Departure:

A reference to Westinghouse document WCAP-3386 is changed to WCAP-3385 for the "Saxton Core II – Fuel Performance Evaluation Part I: Materials." The Figure 5.4-5 pressurizer vessel bottom nozzle label is corrected to be the surge nozzle safe end, not the safety nozzle safe end. The section number that refers to the "Feedwater system malfunctions that result in an increase in feedwater flow" event is corrected. This departure changes UFSAR (plant-specific DCD) Chapters 4, 5, and 15.

Summary of the Evaluation:

This plant-specific departure to make editorial changes in UFSAR Chapters 4, 5 and 15 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.

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.

Departure Number: LDCR-2014-115

Departure Title: Reactor Vessel Flow Skirt Changes

Brief Description of the Plant-Specific Departure:

Thirty-six holes are added to the reactor vessel flow skirt to ensure uniform flow distribution to the peripheral fuel assemblies. Details showing the quantity of flow skirt flange pieces and weld locations are removed to provide manufacturing flexibility. This departure changes UFSAR (plant-specific DCD) Chapter 3.

Summary of the Evaluation:

This plant-specific departure to the reactor vessel flow skirt design 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.

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.

Departure Number: LDCR-2014-117

Departure Title: Removal of Human Factors Engineering (HFE) Verification and Validation Figure

Brief Description of the Plant-Specific Departure:

AP1000 HFE Verification and Validation Figure 18.11-1, and references to this figure, are removed from UFSAR Chapter 18.

Summary of the Evaluation:

This plant-specific departure to remove the HFE Verification and Validation Figure 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.

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.

Departure Number: LDCR-2014-120

Departure Title: Automatic Depressurization System (ADS) Valve Effective Flow Area

Brief Description of the Plant-Specific Departure:

The maximum effective valve flow areas for the ADS Stage 1, 2, and 3 valves are added to UFSAR (plant-specific DCD) Chapter 15.

Summary of the Evaluation:

This plant-specific departure to add the maximum effective valve flow areas for ADS Stage 1, 2, and 3 valves 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.

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.

Departure Number: LDCR-2014-121

Departure Title: Chemical and Volume Control System (CVS) Room Entrance Enclosure

Brief Description of the Plant-Specific Departure:

The size and shape of the enclosure around the entrance to the CVS room, inside containment, is changed. The radiation zone for the Cask Loading Pit is lowered from Zone V to Zone IV. This departure changes UFSAR (plant-specific DCD) Chapters 1, 9, and 12.

Summary of the Evaluation:

This plant-specific departure to the entrance to the CVS room and the radiation zone change for the Cask Loading Pit 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.

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.

Departure Number: LDCR-2014-122

Departure Title: Passive Core Cooling System (PXS) Motor-Operated Valve Hammer-Blow Features

Brief Description of the Plant-Specific Departure:

The motor-operated valve design in PXS is changed to use compensator spring packs, eliminating the need of a “hammer-blow” feature. This departure changes UFSAR (plant-specific DCD) Chapter 6.

Summary of the Evaluation:

This plant-specific departure to the design of motor-operated valves in the PXS 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.

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.

Departure Number: LDCR-2014-123

Departure Title: Removal of Details in the Annex Building Figures

Brief Description of the Plant-Specific Departure:

Unnecessary details are removed from the Annex Building figures in UFSAR (plant-specific DCD) Chapters 1, 9, and 12.

Summary of the Evaluation:

This plant-specific departure to remove unnecessary details from the Annex Building figures 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.

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.

Departure Number: LDCR-2014-125

Departure Title: Eliminate Return Air Fans in the Annex / Auxiliary Building Nonradioactive Ventilation System (VXS)

Brief Description of the Plant-Specific Departure:

VXS return fans are removed from the air handling units in the mechanical equipment areas ventilation subsystem. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to eliminate the return air fans in the mechanical equipment areas ventilation subsystem of VXS 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.

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.

Departure Number: LDCR-2014-126

Departure Title: Chilled Water System (VWS) Expansion Tank Isolation Valves and Hot Water Heating System (VYS) Surge Tank Nitrogen Overpressure

Brief Description of the Plant-Specific Departure:

Manual maintenance isolation valves for the Air Cooled Chiller Expansion Tanks are removed. The nitrogen overpressure supply and vent lines, control valves and associated controls to the VYS Surge Tank are removed and the VYS Surge Tank is vented to the atmosphere. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to delete valves in the VWS and the change to the VYS Surge Tank 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.

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.

Departure Number: LDCR-2014-130

Departure Title: Integrated Head Package (IHP) Component Description Changes

Brief Description of the Plant-Specific Departure:

UFSAR (plant-specific DCD) Chapter 1 is changed to clarify the description of the components that are contained in the IHP.

Summary of the Evaluation:

This plant-specific departure to clarify the description of the IHP 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.

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.

Departure Number: LDCR-2014-131

Departure Title: Changes in Internal Parts for Explosively-Actuated (Squib) Valves

Brief Description of the Plant-Specific Departure:

The design of the internals of the explosively-actuated (squib) valves is changed to include a one piece shear cap instead of a valve disk welded to the valve seat. This departure changes UFSAR (plant-specific DCD) Chapter 5.

Summary of the Evaluation:

This plant-specific departure to the design of the squib valve internals 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.

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.

Departure Number: LDCR-2014-133

Departure Title: Containment Recirculation Cooling System (VCS) Temperature Instrument Location Changes

Brief Description of the Plant-Specific Departure:

Temperature elements are relocated from the VCS ring headers to the VCS branch ducts servicing each of the Steam Generator (SG) compartments. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to relocate the VCS temperature instruments 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.

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.

Departure Number: LDCR-2014-135

Departure Title: Turbine Building Ventilation System (VTS) South Bay HVAC Subsystem Changes

Brief Description of the Plant-Specific Departure:

The flow rate of the two 50-percent capacity air handling units (AHUs) in the VTS South Bay HVAC Subsystem is increased, and the description of the South Bay HVAC Subsystem is updated to specify that it serves an area, rather than a single room. This departure changes UFSAR (plant-specific DCD) Chapter 9.

Summary of the Evaluation:

This plant-specific departure to the VTS South Bay HVAC Subsystem 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.

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.

Departure Number: LDCR-2014-136

Departure Title: Change Seismic Classification Terminology in UFSAR Appendix 19E

Brief Description of the Plant-Specific Departure:

The seismic classification terminology in UFSAR (plant-specific DCD) Chapter 19, Appendix 19E is changed from “seismic Class I” to “seismic Category I.”

Summary of the Evaluation:

This plant-specific departure to the seismic classification terminology in UFSAR Appendix 19E 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.

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.

Departure Number: LDCR-2014-141

Departure Title: Annex Building Design Changes

Brief Description of the Plant-Specific Departure:

The Annex Building foundation is changed from a 3 feet thick mat with an 18 inch turned-down edge to a uniform 4 feet thick mat. This change also changes the thickness and shape of the concrete around and below the Annex Building Sump. The Annex Building roof for Areas 2 and 3 is redesigned from a reinforced concrete roof topping to rigid insulation over the steel decking, and horizontal bracing is added at the roof level to transmit earthquake loads to the building frame and walls. Annex Building structural bracing and roof truss diagonals are changed. Floors, ceilings, pilasters and walls within the Annex Building are changed. These changes include increasing wall thicknesses, pilaster widths and floor thicknesses. Annex Building internal and external doors are changed. This includes adding, deleting, moving or changing door sizes and/or door swings. The Men's and Women's Changing Rooms, Water Heater Room and Janitorial Closet in Annex Building Area 4 are reconfigured. Hose Station F434B outside Stairwell S04 is recessed into the wall in the corridor resulting in changes to the wall near the corner of the Men's Changing room. In addition, several editorial changes are made to Annex Building figures. This departure changes UFSAR (plant-specific DCD) Chapters 1, 3, 9, and 12.

Summary of the Evaluation:

This plant-specific departure to the design of the Annex Building 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.

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.

Departure Number: LDCR-2014-142

Departure Title: Turbine Building Design Changes

Brief Description of the Plant-Specific Departure:

Turbine Building stairwells are added, reconfigured and deleted. Turbine Building internal and external doors are changed. This includes adding, deleting, moving and relocating doors and/or door swings. Turbine Building rooms are added and reconfigured. Turbine Building fire zone boundaries are added and changed. Wet pipe sprinklers are added to the Upper Heater Bay. In addition, several editorial changes are made to Turbine Building figures and the Fire Protection Analysis. This departure changes UFSAR (plant-specific DCD) Chapters 1, 9, and 12.

Summary of the Evaluation:

This plant-specific departure to the design of the Turbine Building 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.

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.