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SOUTHERN COMPANY

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10 CFR 50.59

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

Ladies and Gentlemen:

This submission is made with regard to the Vogtle Electric Generating Plant, 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, 2013, to December 7, 2013, there were no changes, tests or experiments made pursuant to paragraph (c) of 10 CFR 50.59.

The reporting 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, 2013, to December 7, 2013.

This letter makes no regulatory commitments. If you have questions, please contact Mr. Brian Meadors at 205-992-7331.

Respectfully submitted,

SOUTHERN NUCLEAR OPERATING COMPANY

B. 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, 2013 to December 7, 2013

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Southern Nuclear Operating Company

ND-13-2422

Enclosure 1

Vogtle Electric Generating Plant (VEGP) Units 3 and 4

Semi-Annual Departure Report

for the Period of

June 8, 2013 to December 7, 2013

(49 pages, including this cover page)

LDCR / Departure Number: 2012-011

Title: Chemical and Volume Control System (CVS) Changes

Activity Description:

The Chemical and Volume Control System (CVS) as described in the UFSAR (plant-specific DCD) is changed to provide a spring-assisted check valve (CVS-PL-V067) around the air-operated Reactor Coolant System (RCS) Purification Return Line Stop Check Valve (CVS-PL-V081); replace the CVS zinc addition inboard containment isolation lift check valve with an air-operated globe valve and a thermal relief valve; and separate the zinc and hydrogen injection paths and relocate the zinc injection point.

A second portion of this departure revised UFSAR, Table 3.2-3, AP1000 Classification of Mechanical and Fluid Systems, Components, and Equipment, to add new zinc addition valves CVS-PL-V065 and CVS-PLV095.

Summary of Evaluation:

Portions of this departure involved Tier 1 information, Combined License (COL) Appendix C, and Tier 2 information in the UFSAR which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-13-002) was submitted to the NRC.

The NRC approved this departure and exemption and issued License Amendment 012 to Combined Licenses NPF-91 and NPF-92 for VEGP Units 3 and 4, respectively.

The second portion of this departure 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.

The second portion of the departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2012-030

Title: UFSAR Changes Associated with the Technical Specifications Upgrade

Activity Description:

References to specific Technical Specifications (TS) and TS Bases information within the UFSAR (plant-specific DCD) are updated to be consistent with changes to the TS and TS Bases implemented by the TS Upgrade. Specific TS and TS Bases information referenced in sections and tables within UFSAR Chapters 1, 3, 5, 6 and 19 is changed by this activity.

Summary of Evaluation:

The change to the UFSAR to update TS and TS Bases information 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 or Tier 2* information. A 10 CFR 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required

Note: Changes to the VEGP Units 3 and 4 Technical Specifications required prior NRC approval; therefore, License Amendment Request (LAR-12-002) was submitted to the NRC. The NRC approved the TS changes and issued License Amendment 013. Associated changes to the TS Bases were made in accordance with the TS Bases Control Program.

LDCR / Departure Number: 2012-032

Title: Changes to the Primary Sampling System (PSS)

Activity Description:

The PSS as described in the UFSAR (plant-specific DCD) is changed to replace the containment air return check valve, PSS-PL-V024 with a solenoid-operated valve, redesign the PSS inside-containment header, and add a new PSS containment penetration.

A second portion of this departure adds sample source isolation valves upstream of the solenoid operated PSS sample isolation valves and clarifies that the PSS sample cooler feed line valves isolate on a high pressure signal sensed downstream of the respective PSS sample coolers.

Summary of Evaluation:

Portions of this departure involved Tier 1 information, Combined License (COL) Appendix C, and Tier 2 information in the UFSAR which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-12-012) was submitted to the NRC.

The NRC approved this departure and exemption and issued License Amendment 010 to Combined Licenses NPF-91 and NPF-92 for VEGP Units 3 and 4, respectively.

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

That portion of the departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2012-033

Title: Additional Containment Electrical Penetration Assemblies

Activity Description:

The Containment System and the Containment Leak Rate Test System as described in the UFSAR (plant-specific DCD) are changed to add four non-Class 1E electrical penetration assemblies (EPAs) and four associated test isolation valves.

A second portion of this departure is editorial, to remove electrical penetration assembly E08 from UFSAR (plant-specific DCD) Figure 1.2-9.

Summary of Evaluation:

Portions of this departure involved Tier 1 information, Combined License (COL) Appendix C, and Tier 2 information in the UFSAR which involved changes to Tier 1 information; therefore, a License Amendment and Exemption Request (LAR-12-010) was submitted to the NRC.

The NRC approved this departure and exemption and issued License Amendment 011 to Combined Licenses NPF-91 and NPF-92 for VEGP Units 3 and 4, respectively.

The second portion of this departure 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.

The second portion of the departure did not involve a change to Tier 1 information, Tier 2* information or the Technical Specifications. A 10 CFR 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2012-054

Title: Turbine Building Control System Cabinet Rooms

Activity Description:

Three air conditioned control system cabinet rooms with associated distributed control system (DCS) cabinets are added to the Turbine Building. This activity also modifies UFSAR Subsection 9A.3.2.13 to change the name of room 20503 from electrical equipment room to control system cabinet room 4.

Summary of Evaluation:

The addition of the control system cabinet rooms to 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2012-063

Title: Liquid Waste System (WLS) Clarifications

Activity Description:

UFSAR (plant-specific DCD) Subsection 11.2.2.3 is revised to relocate the description of components in the Liquid Waste System (WLS) to other areas within the same UFSAR subsection, to clarify their relationships to other components. UFSAR (plant-specific DCD) Table 3.2-3, Classification of Mechanical and Fluid Systems, Components, and Equipment, is changed to add the Containment Sump (WLS-MT-02).

Summary of Evaluation:

The change to the UFSAR to clarify the description of components within the WLS and to add the Containment Sump to Table 3.2-3 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-004

Title: Valve and Damper Changes

Activity Description:

Backdraft dampers are changed to smoke dampers in the Nuclear Island Nonradioactive Ventilation System (VBS); and packless metal diaphragm globe valves are changed to hermetically sealed bellows globe valves for 2 inch or smaller manual isolation valves.

Summary of Evaluation:

The change from backdraft dampers to smoke dampers in the VBS and the change from diaphragm valves to bellows valves for small manual 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-009

Title: Module Obstructions and Details

Activity Description:

UFSAR (plant-specific DCD) Section 3.8, Concrete and Steel Internal Structures of Steel Containment, is revised to acknowledge additional types of obstructions and interferences (other than the wall openings and penetrations already addressed by the UFSAR) that may cause a change to the spacing of shear studs and the design and spacing of wall module trusses in a local area, and to acknowledge appropriate weld types.

Summary of 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-13-006) was submitted to the NRC.

The NRC approved this departure and issued License Amendment 014 to Combined Licenses NPF-91 and NPF-92 for VEGP Units 3 and 4, respectively.

LDCR / Departure Number: 2013-013

Title: Passive Core Cooling System (PXS) Remote Transmitters

Activity Description:

PXS level instrumentation inside containment associated with the Core Makeup Tanks, Accumulator Tanks, In-Containment Refueling Water Storage Tank (IRWST) and the Containment Flood-up level instruments are changed from level switches to sensing elements with separate remote transmitters.

Summary of Evaluation:

The change from level switches to sensing elements with separate remote transmitters 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-014

Title: Ancillary Diesel Fuel Oil Storage Tank

Activity Description:

UFSAR (plant-specific DCD) Chapter 9, Appendix 9A, Fire Protection Analysis, is updated to clarify the location of the ancillary diesel fuel oil storage tank in the ancillary diesel generator room.

Summary of Evaluation:

The change to the UFSAR to clarify the location of the ancillary diesel fuel oil storage 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-026

Title: Pressure Relief Design for the Standby Diesel Fuel Oil System (DOS) Day Tanks

Activity Description:

The DOS isolation valve in the fuel oil return line from each diesel fuel oil day tank is deleted. A pressure relief valve is installed at the top of each diesel fuel oil day tank. The discharge piping for the relief valve is connected to the existing overflow line.

Summary of Evaluation:

The change to the pressure relief design of the diesel fuel oil day 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-027

Title: Passive Containment Cooling System (PCS) Piping & Instrument Diagram (P&ID) Update

Activity Description:

The UFSAR (plant-specific DCD) P&ID for the PCS is revised to depict the PCS annulus drains from the sides of the annulus and discharging to the Waste Water System (WWS); change flow instrumentation tagging to reflect local indication; indicate the number of heating elements in the Passive Containment Cooling Ancillary Water Storage Tank (PCCAWST) to accomplish the design heating function, and eliminate a piping class break at the Passive Containment Cooling Water Storage Tank (PCCWST) water makeup line entry.

Summary of Evaluation:

The changes to the UFSAR to clarify the PCS P&ID do 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-028

Title: Leak Chase Piping Inside Containment

Activity Description:

Leak chase collection piping, collection pots and instrumentation is added inside containment to collect and measure any leakage associated with the In-Containment Refueling Water Storage Tank (IRWST), the Refueling Cavity, and the Fuel Transfer Tube. Drainage and overflow lines from the collection pots are routed to the containment sump. UFSAR (plant-specific DCD) Figure 11.2-2, Liquid Radwaste System Piping and Instrumentation Diagram, is revised to depict a new line from the leak chase pots to the containment sump.

Summary of Evaluation:

The addition of new leak chase piping and leak chase collection pots routed to the containment sump 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-030

Title: Liquid Radwaste System (WLS) Containment Sump Pumps

Activity Description:

The WLS containment sump pumps are changed to sealless canned motor pumps. UFSAR (plant-specific DCD) Section 11.2, Liquid Waste Management System, is revised to remove references to permanently lubricated bearings and mechanical seals and add sealless pumps to the list of pump types used in the WLS.

Summary of Evaluation:

The change to sealless canned motor pumps for the containment sump 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-032

Title: Liquid Radwaste System (WLS) Containment Sump Design Changes

Activity Description:

The volume of water between containment sump pump-outs is changed from the 160 gallons to 60 gallons and the containment sump pumping time is changed from approximately 3 minutes to approximately 1 minute. In addition the UFSAR is revised to specify that the containment sump pumps are part of the WLS.

Summary of Evaluation:

The change in containment sump pump-out volume and time 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-033

Title: Liquid Radwaste System (WLS) Figure Changes

Activity Description:

The Piping and Instrumentation Diagram (P&ID) for the WLS, as shown in UFSAR (plant-specific DCD) Figures 11.2-2, is updated to depict the current design, which includes a heat exchanger; associated valves; and temperature elements in the seal water line from the degasifier separator pumps to the degasifier vacuum pumps. In addition, the Normal Residual Heat Removal System (RNS) relief valve discharge line to the WLS is relocated to ensure alignment to one of the two effluent holdup tanks.

Summary of Evaluation:

The change to the WLS P&ID to depict a heat exchanger and associated components in the seal water line and to reroute the RNS relief valve discharge 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-035

Title: Concrete Containing Fly Ash in Counting Room and Laboratory Area

Activity Description:

UFSAR (plant-specific DCD) Section 12.3, Radiation Protection Design Features, is changed to permit the use of fly ash in the concrete used for the counting room and laboratory areas, subject to design limits on radiation levels.

Summary of Evaluation:

The change to permit the use of concrete containing fly ash in the counting room and laboratory areas 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-036

Title: Nuclear Island Coating Clarifications

Activity Description:

The requirements for Service Level II coatings for carbon steel and concrete surfaces in radiation controlled areas (RCA) outside of containment, as specified in UFSAR (plant-specific DCD) Subsection 6.1.2, Organic Materials, are changed to require coatings that are decontaminable in areas likely to be exposed to radioactive contamination and to remove the requirements for radiation testing of these coatings.

Summary of Evaluation:

The change to the requirements for Service Level II coatings in the RCA, outside of containment, 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-043

Title: Update Environmental Qualification requirements for Chemical and Volume Control System (CVS) Valves

Activity Description:

UFSAR (plant-specific DCD) Table 3.11-1, Environmentally Qualified Electrical and Mechanical Equipment, is updated to denote that valves CVS-PL-V215, V216, V217 and V218 are located in a harsh environment.

Summary of Evaluation:

The change to denote that the CVS valves are located in a harsh environment 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-044

Title: Update UFSAR Figure 9.3.3-1 to Include Primary Sampling System (PSS) Isolation Valves

Activity Description:

Reactor Coolant System (RCS) Hot Leg Sample Isolation Valves PSS-PL-V014A and PSS-PL-V014B are added to UFSAR (plant-specific DCD) Figure 9.3.3-1, Simplified Sketch of the PSS, for consistency with other Tier 2 information within the UFSAR.

Summary of Evaluation:

The addition of the PSS isolation valves to UFSAR Figure 9.3.3-1 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-045

Title: Fire Protection Analysis Changes

Activity Description:

UFSAR (plant-specific DCD) Chapter 9, Appendix 9A, Fire Protection Analysis is updated to add Fuel Handling Area Room 12562 to the list of fire zones; and to change the fire zone number for the lower annulus southeast and the room numbers for the Spent Fuel System (SFS) Pump Rooms A and B on Nuclear Island Fire Area Figure 9A-1.

Summary of Evaluation:

The change to update the fire zone and room information in the UFSAR 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-049

Title: Turbine Building Closed Cooling Water System (TCS) Heat Exchanger Plate Material

Activity Description:

UFSAR (plant-specific DCD) Chapter 9, Subsection 9.2.8, Turbine Building Closed Cooling Water System, is changed to permit the use of stainless steel plates in the TCS heat exchangers.

Summary of Evaluation:

The change to permit the use of stainless steel plates in the TCS heat exchangers 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-051

Title: Liquid Radwaste System (WLS) Clarification

Activity Description:

UFSAR (plant-specific DCD) Chapter 11, Section 11.2, Liquid Waste Management Systems, is changed to clarify that portions of the WLS that do not contain radioactive material may not be of welded construction.

Summary of Evaluation:

The change to clarify the application of welded construction in 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-052

Title: Liquid Radwaste System (WLS) Monitor Tanks

Activity Description:

UFSAR (plant-specific DCD) Chapter 11, Section 11.2, Liquid Waste Management Systems, is revised to clarify that waste processing from the monitor tanks does not include a direct connection to the filters and ion exchangers.

Summary of Evaluation:

The change to clarify the description of waste processing from the WLS monitor 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-053

Title: Changes to the Initial Test Program in UFSAR Section 14.2

Activity Description:

UFSAR (plant-specific DCD) Chapter 14, Section 14.2, Initial Test Program, is changed to define the Construction and Installation Tests as two parts, construction testing and component testing and move the component testing portion under the administrative controls of the Initial Test Program (ITP) Organization. Note: The departure is related to and dependent on implementation of LDCR / Departure Number 2013-056.

Summary of Evaluation:

The change to the UFSAR Section 14.2 Initial Test Program description 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-054

Title: Turbine Bypass Valve Actuator Type

Activity Description:

The turbine bypass valves are changed from diaphragm actuated valves to piston actuated valves, as described in UFSAR (plant-specific DCD) Chapter 10, Subsection 10.4.4, Turbine Bypass System.

Summary of Evaluation:

The change to piston actuated turbine bypass 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-055

Title: Equipment and Maintenance Hatch Hoist Load Rating

Activity Description:

The maximum load rating for the equipment hatch hoist and maintenance hatch hoist is changed from 10 tons to 13.5 tons, as shown in UFSAR (plant-specific DCD) Chapter 9, Table 9.1-5, Nuclear Island Heavy Load Handling Systems.

Summary of Evaluation:

The change to increase the maximum load rating of the equipment hatch hoist and maintenance hatch hoist 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-056

Title: Restoring Changes Made to the Initial Test Program Description

Activity Description:

A previously implemented LDCR / Departure Number 2013-018, titled "UFSAR Changes Associated with NDQAM Version 11.0 and Other Organizational Changes," changed Initial Test Program (ITP) information in UFSAR (plant-specific DCD) Section 14.2, to clarify the scope, responsibilities and qualification of personnel for the ITP organization. Subsequently it was determined that a portion of those changes/departures were not appropriate, therefore, this activity restores the Initial Test Program description in UFSAR Section 14.2 back to the content prior to the implementation of LDCR / Departure Number 2013-018.

Summary of Evaluation:

The change to the Initial Test Program description in UFSAR Section 14.2 to restore the information 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-057

Title: Spent Resin Tank Usable Volume

Activity Description:

The usable volume of each spent resin storage tank is changed from 275 cubic feet to 250 cubic feet as described in UFSAR (plant-specific DCD) Chapter 11, Section 11.4, Solid Waste Management.

Summary of Evaluation:

The change to the usable volume of each spent resin storage 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-058

Title: Core Makeup Tank Vent Line Orifice Safety Class Change

Activity Description:

UFSAR (plant-specific DCD) Chapter 6, Figure 6.3-1, Simplified Passive Core Cooling System (PXS) Piping and Instrumentation Diagram is changed to relocate the piping class break “B” to “D” from downstream of orifices R04A and R04B to downstream of valves PXS-PL-V031A and V031B, respectively.

Summary of Evaluation:

The relocation of the piping class breaks 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-063

Title: Condenser Air Removal System Design Update

Activity Description:

The condenser air removal system (CMS) as described in UFSAR (plant-specific DCD) Chapter 10, Subsection 10.4.2, Main Condenser Evacuation System, is changed. The shell and tube heat exchanger for cooling the seal water is changed to a plate and frame heat exchanger; the silencer on the air discharge from the air/water separator is eliminated; and the source of makeup water from the Condensate System (CDS) to the CMS for establishing and maintaining level in the CMS moisture separator tanks is changed to the Demineralized Water Transfer and Storage System (DWS).

Summary of Evaluation:

The change to the CMS 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-064

Title: AP1000 Equipment Classification Updates

Activity Description:

UFSAR (plant-specific DCD) Chapter 3, Table 3.2-3, AP1000 Classification of Mechanical and Fluid Systems, Components, and Equipment is updated to reflect AP1000 Class, Seismic Category, and Principal Construction Code of components in various plant systems for consistency with design information. Additional components are added to this table to provide greater level of detail.

Summary of Evaluation:

The change to update Table 3.2-3 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-065

Title: Environmental Qualification Testing Methodology

Activity Description:

UFSAR (plant-specific DCD) Chapter 3, Appendix 3D, Methodology for Qualifying AP1000 Safety-Related Electrical and Mechanical Equipment, is revised to allow the application of temperature and pressure profiles for qualification testing, based on the specific conditions where the equipment is located. Chemical injection testing requirements for safety-related components is changed to allow elimination of that testing if the component is located in an area which would not be exposed to reactor coolant. The requirement that safety-related components enclosed by metal are exempt from humidity and chemical spray testing is revised to allow for other materials or methods of enclosure.

Summary of Evaluation:

The change to the method of qualifying safety-related equipment 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-068

Title: Changes to the Auxiliary Steam Boiler

Activity Description:

UFSAR (plant-specific DCD) Chapter 8, Figure 8.3.1-1, AC Power Station One Line Diagram, is changed to specify United States parameters rather than International parameters; and to show a new connection to allow manual alignment of the electric auxiliary boiler to the standby diesel generator. In UFSAR Chapter 10, Subsection 10.4.10, Auxiliary Steam System, the auxiliary steam boiler nominal net output capacity is changed from 100,000 pounds per hour to 62,000 pounds per hour of saturated steam.

Summary of Evaluation:

The change to the AC electrical one line diagram and auxiliary steam boiler output capacity 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-071

Title: Fire Protection System (FPS) Deluge Valves Inside Containment

Activity Description:

UFSAR (plant-specific DCD) Chapter 9, Table 9.5.1-3, Exceptions to NFPA Standard Requirements, is changed to specify that cable tray deluge spray system actuation valves located inside containment are not listed by a recognized organization, as required by the National Fire Protection Code.

Summary of Evaluation:

The change to the requirements for the deluge valves inside containment 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-072

Title: Electrical Penetration Number Change

Activity Description:

UFSAR (plant-specific DCD) Chapter 9, Table 9A-2, Safe Shutdown Components, electrical penetration number 16 for the Class 1E dc and UPS System (IDS) channel D is changed from EY-P16Z to EY-P16Y.

Summary of Evaluation:

The change to the IDS channel D electrical penetration number 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-074

Title: Core Makeup Tank (CMT) Changes

Activity Description:

UFSAR (plant-specific DCD) Chapter 5, Subsection 5.4.13, Core Makeup Tank, is changed to indicate that the bottom of the CMT inlet diffuser has a small drain hole.

Summary of Evaluation:

The change to the CMT inlet diffuser 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-075

Title: Chemical and Volume Control System (CVS) Changes

Activity Description:

The CVS, as described in UFSAR (plant-specific DCD) Chapter 3 and Chapter 9 is changed to add a bypass line around the CVS ion exchangers; add a pressure regulating valve and flow meter in the demineralized water supply line to the CVS three-way blend valve; add an air intrusion prevention tank; and change the CVS purification bypass line three-way valve from a plug valve to a globe valve.

Summary of Evaluation:

The change to the CVS as described in the UFSAR 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-076

Title: Fire Protection System (FPS) Alarm Check Valve

Activity Description:

FPS flow element FE103 is changed to an alarm check valve as depicted in UFSAR (plant-specific DCD) Figure 9.5.1-1.

Summary of Evaluation:

The change from a flow element to an alarm check valve 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-087

Title: Changes to Steam Generator and Pressurizer Support Figures

Activity Description:

UFSAR (plant-specific DCD) Figure 3.8.3-5, Steam Generator Supports, and Figure 3.8.3-6, Pressurizer Supports, is changed to remove unnecessary dimensions, elevations, drawing references and other details.

Summary of Evaluation:

The change to remove details on the steam generator and pressurize support figures in the UFSAR 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-089

Title: Gaseous Radwaste System (WGS) Delay Bed Design Temperature Change

Activity Description:

UFSAR (plant-specific DCD) Chapter 11, Table 11.3-2, Component Data (Nominal) - Gaseous Radwaste System, Delay Bed design temperature is changed from 150°F to 200°F.

Summary of Evaluation:

The change to increase the design temperature of the WGS delay beds 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-099

Title: Liquid Radwaste System (WLS) Degasifier Vacuum Pump Changes

Activity Description:

In UFSAR (plant-specific DCD) Chapter 11, Table 11.2-2, Component Data-Liquid Radwaste System, the design temperature of the WLS degasifier vacuum pumps is changed from 200°F to 150°F; and the design flow is changed from 0.5 steady standard cubic feet per minute (scfm) hydrogen flow and 150 scfm hogging flow to 641 scfm total hydrogen and water vapor flow.

Summary of Evaluation:

The change to the degasifier vacuum pump design temperature and design flow 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-101

Title: Changes to Components in the Liquid Radwaste System (WLS) and Chemical and Volume Control System (CVS).

Activity Description:

WLS and CVS component information and parameters in UFSAR (plant-specific DCD) Section 9.3 and Section 11.2 are updated to reflect current design information.

Summary of Evaluation:

The change to update the design information for components in the WLS and CVS 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-103

Title: Changes to the Condensate System (CDS) and Secondary Sampling System (SSS)

Activity Description:

In UFSAR (plant-specific DCD) Figure 10.4.7-1, Condensation and Feedwater System Piping and Instrumentation Diagram (P&ID), the number and location of main condenser sample points to the SSS is changed and the temporary strainers on the inlet to the condensate pumps is removed. UFSAR Table 9.3.4-1, Secondary Sampling System (Continuous Measurement), is changed to add sample points from the condenser hotwell interconnecting piping.

Summary of Evaluation:

The change to the number and location of main condenser sample points, the addition of sample points from the hotwell interconnecting piping and removal of the temporary strainers do 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-104

Title: Liquid Radwaste System (WLS) Clarifications

Activity Description:

UFSAR Chapter 9 and Chapter 11 are changed to clarify WLS information for consistency with other sections of the UFSAR.

Summary of Evaluation:

The change to clarify WLS information in the UFSAR 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-105

Title: Gaseous Radwaste System (WGS) Clarifications

Activity Description:

UFSAR (plant-specific DCD) Chapter 11, Section 11.3, Gaseous Waste Management System (WGS) is changed to clarify that the WGS discharge isolation valve opens during system operation and fails in the closed position. In addition, the WGS Piping and Instrumentation Diagram (P&ID) is updated to depict additional design details.

Summary of Evaluation:

The change to clarify and update WGS design information in the UFSAR 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-107

Title: In-containment Refueling Water Storage Tank (IRWST) Screens

Activity Description:

UFSAR (plant-specific DCD) Chapter 6, Figure 6.3-3, Passive Safety Injection, is revised to clarify there are three IRWST screens rather than two.

Summary of Evaluation:

The change to clarify there are three IRWST screens 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.

LDCR / Departure Number: 2013-113

Title: Changes for Six Shield Building Pipe Penetrations

Activity Description:

A wall opening in the shield building at which six pipe anchor penetrations are located is eliminated and the reinforcement bars are now continuous through the closed-in opening. A steel structure, required to support the penetrations in the opening, is replaced with reinforced concrete surrounding the individual penetrations.

Summary of Evaluation:

The change to replace a single large opening in the shield building to six individual penetrations 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 50.59/10 CFR 52 Appendix D Section VIII review determined that no prior NRC approval is required.