Exelon Generation®

RS-17-082

10 CFR 50.71(e)
10 CFR 50.59
10 CFR 54.37(b)

June 21, 2017

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Dresden Nuclear Power Station, Units 1, 2, and 3
Facility Operating License Nos. DRP-2, (Renewed) DPR-19 and DPR-25
NRC Docket Nos. 50-010, 50-237, and 50-249

Subject: Updated Final Safety Analysis Report (UFSAR), Revision 12 and Fire Protection Report (FPR), Amendment 21

In accordance with the requirements of 10 CFR 50.71, "Maintenance of records, making of reports," Paragraph (e)(4), Exelon Generation Company (EGC), LLC submits Revision 12 of the Updated Final Safety Analysis Report (UFSAR) and Amendment 21 of the Fire Protection Report (FPR) for Dresden Nuclear Power Station, and summaries of evaluations conducted pursuant to 10 CFR 50.59, "Changes, tests, and experiments," 10 CFR 54.37(b), "Additional records and recordkeeping requirements," and NEI 99-04, "Guidelines for Managing NRC Commitment Changes."

The UFSAR is being submitted on Optical Storage Media (OSM) in its entirety, including documents incorporated by reference (Technical Specifications Bases, Technical Requirements Manual and FPR). UFSAR pages changed as a result of this update are delineated with "Rev. 12 – June 2017" in the page header. FPR pages changed as a result of this update are delineated with "Amendment 21" in the page header.

Attachment A provides a brief summary of the changes incorporated into UFSAR Revision 12.

Attachment B provides a brief summary of the changes incorporated into FPR Amendment 21.

Attachment C provides the summary report pursuant to 10 CFR 50.59(d)(2).

Attachment D provides a summary of changes to the TRM.

Attachment E provides a summary of regulatory commitment changes.

Attachment F provides the summary report pursuant to 10 CFR 54.37(b).

Attachment G contains the directory path, filename, and size of each individual file.

A006
A053
NMSS01
NRR
NMSS

One (1) OSM is enclosed in this submission. The OSM labeled, "Exelon Generation – Dresden Nuclear Power Station UFSAR Rev. 12 June 2017, FPR Amendment 21" contains the following components:

001 DRE UFSAR Revision 12.pdf, 83.4 megabytes (MB)
002 DRE TRM.pdf, 3.67 MB
003 DRE Tech Spec Bases.pdf, 1.72 MB
004 DRE FPR Amendment 21.pdf, 141 MB

As required by 10 CFR 50.71(e)(2)(i), I certify that to the best of my knowledge, the information contained in the enclosure and attachments to this letter accurately reflect information and analyses submitted to the NRC or prepared pursuant to NRC requirements, and changes made under the provisions of 10 CFR 50.59.

There are no new commitments made in this document. Should you have any questions concerning this letter, please contact:

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Respectfully,

Dominic M. Imburgia
Manager – Licensing Programs

Enclosure: OSM – Dresden Nuclear Power Station UFSAR, Rev. 12, FPR, Amendment 21

Attachments: Attachment A, "UFSAR Revision 12 Change Summary Report"
Attachment B, "FPR Amendment 21 Change Summary Report"
Attachment C, "10 CFR 50.59 Evaluation Summary Report"
Attachment D, "Technical Requirements Manual Change Summary Report"
Attachment E, "Summary of Regulatory Commitment Changes"
Attachment F, "10 CFR 54.37(b) Aging Management Review Summary"
Attachment G, "OSM Directory Structure"

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Dresden Station
Director - Emergency Response Development, INPO

Attachment A

UFSAR Revision 12 Change Summary Report

13-001 Revision to UFSAR Section 3.4.1.1
Revised Pages 3.4-1 and 3.4-2 to update description of the Probable Maximum Flood (PMF) response.

14-010 Revision to UFSAR Section 8.3
Revised Figures 8.3-5 and 8.3-7 to reflect motor replacements on Motor Operated Valves (MOVs) 3-1401-21B and 3-1402-25B per Engineering Change (EC) 397908.

14-013 Revision to UFSAR Section 9.3
Revised Figure 9.3-5 to reflect the permanent bypass of the U2/3 Service Air receiver per EC 398803.

15-002 Revision to UFSAR Section 8.3.1.2.1
Revised Page 8.3-4 to reflect U2 4kV Bus transfer logic modification event concurrent with a LOCA per EC 399218.

15-003 Revision to UFSAR Section 8.3.1.2.1
Revised Page 8.3-4 to reflect the system transfer logic from the Reserve Auxiliary Transformer (RAT) to the Unit Auxiliary Transformer (UAT) (related to Change 15-002).

15-008 Revision to UFSAR Section 9.5
Revised Pages 9.5-1 through 9.5-4 to update the telephone system description to include the upgrade from Private Branch Exchange (PBX) to Voice Over Internet Protocol (VOIP) per EC 401645.

15-009 Revision to UFSAR Section 9.4.4
Revised Pages 9.4-6 through 9.4-8 to provide additional details on the operation of the Turbine Building Ventilation System.

15-011 Revision to UFSAR Appendix A
Revised Page A-4 to update reference document NSAC 202L from revision 3 to 4.

15-013 Revision to UFSAR Sections 5.2.5.8, 6.2.1.2.3, and 6.2.1.2.7
Revised Pages 5.2-24, 6.2-10, and 6.2-14 to reflect the license amendment for Inservice Leak and Hydrostatic Testing operations.

15-014 Revision to UFSAR Section 6.2
Revised Table 6.2-10 to include a newly installed Primary Containment Isolation Valve (PCIV) 2-3204-B-504.

15-015 Revision to UFSAR Section 3.1.2.2.9
Revised Page 3.1-45 to update testing frequency controls to the Surveillance Frequency Control Program.

15-017 Revision to UFSAR Section 8.3.1.2
Revised Page 8.3-4 to remove reference to "M-G Sets" and include "Adjustable Speed Drives (ASDs)".

Attachment A

UFSAR Revision 12 Change Summary Report

15-018 Revision to UFSAR Sections 2.2.2.1.3, 2.2.3.3.2, 6.4.4.2.2, 6.4.4.2.3, and 6.4.7
Revised Pages 2.2-2, 2.2-8, 2.2-11, 6.4-9, 6.4-11, and Tables 2.2-2, 2.2-4, 2.2-8, 2.2-10, and 2.2-11 to reflect the name change from Elgin, Joliet, and Eastern to Canadian National (CN) and to reflect changes to Calculation DRE15-0012 which addresses hazardous chemicals related to Control Room Habitability.

15-019 Revision to UFSAR Section 9.6.4.1.5
Revised Pages 9.6-3, 9.6-5, and 9.6-6 to change referenced industry document related to slings.

15-020 Revision to UFSAR Section 4.5.2.2
Revised Page 4.5-2 to add the material composition for the Jet Pump Slip Joint Clamps per EC 399397.

15-021 Revision to UFSAR Appendix A
Revised Page A-27 to add a statement discussing that ultrasonic test (UT) measurements will continue to be performed for trending purposes.

15-022 Revision to UFSAR Sections 2.2.2.3, 2.2.2.4, and 2.2.4
Revised Pages 2.2-3, 2.2-4, 2.2-10, 2.2-11, Tables 2.2-3, 2.2-8, and Figure 2.2-2 to include the newly installed natural gas line.

15-023 Revision to UFSAR Sections 4.6.2.1.2, and 4.6.6
Revised Pages 4.6-3a and 4.6-27 to add a description of the Marathon-5S control blade and Marathon-5S topical report.

15-024 Revision to UFSAR Section 6.3
Revised Pages 6.3-34, 6.3-35, 6.3-36, 6.3-61a, 6.3-61b, 6.3-66, 6.3-71, 6.3-87a, Tables 6.3-12f, 6.3-13d, 6.3-19d, and 6.3-20c to reflect the updated LOCA analysis per EC 403219.

15-025 Revision to UFSAR Section 4.3
Revised Page 4.3-1 to update the Hot Excess Reactivity value to be consistent with the current core design practices.

15-026 Revision to UFSAR Section 6.2
Revised Table 6.2-9 to add a new PCIV installed as part of the Hardened Containment Vent System per EC 401069.

15-027 Revision to UFSAR Sections 6.2 and 6.3
Revised Pages 6.2-88 through 90, 6.3-4, 8, 9, 10, 16, 20, 21, 26, 35, 36, 60, 61, 61a, 66, 68, 69, 70, 87a, Tables 6.2-12, 6.3-4b, 6.3-12e, 6.3-13c, 6.3-19c, 6.3-20b, 6.3-21b, 6.3-19b, and Figures 6.2-57, and 6.2-58 to remove obsolete information related to ACAD and GE LOCA analyses that are no longer applicable to Dresden.

15-028 Revision to UFSAR Section 5.4.6.3
Revised Pages 5.4-28 and 5.4-42 to include a reference to a calculation supporting the 20 minute requirement of the Isolation Condenser.

Attachment A

UFSAR Revision 12 Change Summary Report

15-029 Revision to UFSAR Section 9.4.7
Revised Pages 9.4-10 and 9.4-11 to capture additional emergency diesel ventilation configuration detail.

16-002 Revision to UFSAR Section 5.2.3.2.1
Revised Page 5.2-10 and Table 5.2-9 to clarify the statements related to noble metal application in Modes 1, 2 and 3.

16-003 Revision to UFSAR Section 15.4.5.1
Revised Page 15.4-5a to remove the references to M-G sets and replace it with adjustable speed drive (ASD).

16-004 Revision to UFSAR Sections 9.2.5.2 and 9.2.5.3.1
Revised Pages 9.2-14 and 9.2-15 to change the intake canal elevation from 495 feet to 494.2 feet.

16-005 Revision to UFSAR Section 3.1.2.2.8
Revised Figure 8.2-1 to correct RAT 22 source from 138 kV switchyard buses to 345 kV through TR 86, and record addition of Transformer (TR) 12 from 138 kV Bus 3.

16-006 Revision to UFSAR Section 8.3.1.4.3
Revised Page 8.3-8 to update wording associated with the Essential Service System (ESS)/Uninterruptible Power Supply (UPS) Bus.

16-007 Revision to UFSAR Sections 9.1.2.3.1, and 9.1.5
Revised Pages 9.1-6, 7, 7a, 9a, 26, and 27 to support the transition to AREVA fuel and reflect the modifying of Tech Spec 4.3.1.1.c related to the criticality of the spent fuel pool.

16-008 Revision to UFSAR Section 9.4.4.1
Revised Page 9.4-6 to remove damper blades for the U2 North Turbine Building ventilation supply fan vortex dampers and disable flow control loop per EC 405488.

16-009 Revision to UFSAR Section 9.5.5
Revised Page 9.5-8 to add clarifying detail on the location of the Diesel Generator (DG) Cooling Water pumps and Cribhouse concrete.

16-010 Revision to UFSAR Sections 6.2.1.2.4.1 and 6.2.6.3
Revised Pages 6.2-11, 6.2- 95a, and Table 6.2-9 (Sheet 12 of 15) to change Main Steam Isolation Valve (MSIV) Local Leak Rate Test (LLRT) limits to reflect Alternate Source Term limits.

16-012 Revision to UFSAR Section 6.2.6.3
Revised Page 6.3-16 to add a clarification on High Pressure Coolant Injection (HPCI) pump suction when torus temperatures are greater than 140F to 165F.

16-013 Revision to UFSAR Sections 9.1.1.3 and 9.1.5
Revised Pages 9.1-2, and 9.1-27 to update the new fuel vault changes associated with the transition to AREVA fuel.

Attachment A

UFSAR Revision 12 Change Summary Report

16-014 Revision to UFSAR Sections 1.2, 3.9, 3.11, 4.1, 4.2, 4.3, 4.4, 4.6, 5.2, 6.2, 6.3, 7.6, 7.8, 12A, 15.1, 15.2, 15.3, 15.4, 15.5, 15.6, 15.7, and 15.8
Revised a large number of pages along with Figure 4.2-5, and Tables 1.2-1, 4.1-1, 4.1-3, 6.3-4b, 6.3-12e, 6.3-12f, 6.3-13c, 6.3-19c, 6.3-20b, 6.3-21b, 12A-2, 12A-3, 12A-4, 15.4-3, 15.4.3d, 15.6-10, 15.6-11, 15.6-12, 15.6-14, and 15.6-16a to support operation with the new AREVA fuel.

16-017 Revision to UFSAR Section 5.4.1.5.3 and Appendix A
Revised Pages 5.4-18a and A-3 to update the BWRVIP-18 to the latest version and correct a typo related to BWRVIP-18 that should be BWRVIP-41.

16-018 Revision to UFSAR Section 8.3
Revised Figures 8.3-3 and 8.3-3A to reflect the ability to provide an alternate means to supply divisional power to the Unit 3 ESS Bus if the ESS UPS should fail per EC 405828.

16-021 Revision to UFSAR Section 15.6
Revised Tables 15.6-12 and 15.6-13 to update the key loss of coolant accident (LOCA) dose inputs and assumptions based on analysis DRE05-0048.

16-022 Revision to UFSAR Section 9.1.4.4.1
Revised Page 9.1-25 to reference the Surveillance Frequency Control Program.

16-023 Revision to UFSAR Section 11.2.2
Revised Page 11.2-2 to update a cross-reference.

16-025 Revision to UFSAR Section 5.4.3.7.2
Revised Page 5.4-23 to update the zinc injection process system description to reflect existing flowrates based on operating experience.

16-027 Revision to UFSAR Sections 2.4.7 and 2.4.8.1
Revised Page 2.4-4 to change the intake canal elevation from 495 feet to 494.2 feet.

17-001 Revision to UFSAR Section 9.2.2.5
Revised Page 9.2-7 to correct the location of Service Water (SW) pump local operation from the Cribhouse to their associated breakers.

17-007 Revision to UFSAR Section 9.5.4
Revised Page 9.5-6 to update the Emergency Diesel Generator (EDG) fuel day tank minimum volume per License Amendment Nos. 252/245.

Attachment B

FPR Amendment 21 Change Summary Report

16-002 Revision to FPR, Section 5.6.16
Revised Page 5.6-20 to clarify which water tanks are safety-related.

16-003 Revision to FPR, Section 3.1.1.2.2
Revised Page 3.1-8 to allow for HPCI pump suction temperatures to exceed 140F up to 165F.

17-001 Revision to FPR, Section IV
Revised Page IV-2-1 to add 86-10 Evaluation on Fire Doors and added Tab I after Tab H.

17-002 Revision to FPR, Section 3.1.1.1.6
Revised Page 3.1-6 to increase the minimum volume required for the Diesel Generator Day Tanks.

17-003 Revision to FPR, Section 6.4.4
Revised Page 6.4-2 to update the number of Fire Hose Stations in U1 Fire Hazard Analysis.

17-004 Revision to FPR, Section 5.4.D.2.(b)
Revised Page 5.4-8 to correct the location of outside bulk hydrogen storage.

Attachment C

10 CFR 50.59 Evaluation Summary Report

Safety Evaluation Number: 2014-09-001

Type of Safety Evaluation: Modification

Evaluation Reference Number: EC 388091

Title: Installation of Natural Gas Line to Heating Boilers

Description: The purpose of this EC is to route a natural gas line to provide the new dual-fuel boilers, 2/3-57798-2A and 2/3-57798-2B, installed under EC 387722 with a supply of natural gas in addition to the existing fuel (fuel oil). A new gas metering station at the Exelon property boundary adjacent to Collins Road is provided by Nicor. The new gas line is run from the metering station to the Boiler House. The pipe is high density polyethylene (HDPE) below grade to the canal bridges, and carbon steel above grade (over canal bridges) and below grade outside and inside the Protected Area (PA) respectively. The scope of this EC addresses the line from the Nicor/Exelon interface at the metering station to the point at which the gas line enters the Boiler House from the protected vault. The remaining gas line installation to the new boilers is covered under EC 387722.

Safety Evaluation Number: 2016-03-001

Type of Safety Evaluation: Modification

Evaluation Reference Number: EC 380008, 383022

Title: On-Line Noble Metals Chemical (OLNC) Injection for Unit 2 and Unit 3

Description: This activity re-performs the 10CFR 50.59 screening and performs a new 50.59 evaluation for the Unit 2 and Unit 3 On-line Noble Chem (OLNC) application process of the noble metals injection and its overall impact on the plant consistent with: EC 380008 for Unit 2 and 383022 for Unit 3. This activity revises the Dresden UFSAR (Section 5.2.3.2.1 and Table 5.2-9) to clarify enhance the statements related to noble metal application for both online Mode 1 for OLNC and Mode 3 for Noble Metal Chemical Addition (NMCA). This activity also serves as an updated 10 CFR 50.59 screening for the Dresden Chemistry Procedure CY-DR-120-500, "On-Line Noble Metal Chemical Injection For Unit 2 and Unit 3", Revision 5.

Attachment C

10 CFR 50.59 Evaluation Summary Report

Safety Evaluation Number: 2016-03-002

Type of Safety Evaluation: Temporary Alteration

Evaluation Reference Number: TCCP 405013

Title: UTILIZE MSIV 2A SWITCH AS THE RPS SIGNAL FOR FAILED 1B CONTACT

Description: During the performance of the quarterly MSIV scram functional test per DOS 0500-27, the 203-1A MSIV respective RPS channel did not re-energize as expected following the test. This was an indication the 1B limit switch did not re-close after the valve went back to the full open position which should have re-energized the 3-0590-102B relay. This temporary engineering change is going to utilize another MSIV contact on a separate limit switch in order to restore the RPS system and return the RPS channel back to service. The limit switch to be utilized is the 2A limit switch for the 203-1A MSIV, which is the test circuit limit switch for the MSIV slow close function.

Safety Evaluation Number: 2016-04-001

Type of Safety Evaluation: FSAR Change

Evaluation Reference Number: EC 405313

Title: ESSENTIAL SERVICES BUS UFSAR AND TECHNICAL SPECIFICATION BASES UPDATE

Description: The proposed activity is to update UFSAR Section 8.3.1.4.3 "120-V Essential Service System and Uninterruptible Power Supply" and TS Basis B 3.8.7, "Distribution Systems - Operating". The UFSAR update will include removing the statement that a momentary interruption of power could cause deleterious effects to the ESS Bus loads and that the ESS Bus is to remain in service even if all sources of AC power, including the DGs, should fail. The TS Basis updates include changing the 120 VAC essential service bus to be OPERABLE when aligned to the Division 2 power sources rather than the inverter power source (UPS).

Attachment C

10 CFR 50.59 Evaluation Summary Report

Safety Evaluation Number: 2016-05-001

Type of Safety Evaluation: FSAR Change

Evaluation Reference Number: UFSAR Change 15-019

Title: Revise references within UFSAR Section 9.6.4.1.5

Description: The proposed activity revises UFSAR Section 9.6.4.1.5 from referencing ANSI Standard B30.9-1971 for slings "not specifically designed" to ANSI/ASME Standard B30.9-1910.

Safety Evaluation Number: 2016-09-001

Type of Safety Evaluation: Exempt Change

Evaluation Reference Number: EC 401154

Title: Core Average Exposure (CAVEX) Increase Implementation

Description: The activity is to process all the document changes (design analyses) that are being prepared to support increase the core average exposure from the current 37,500 MWD/MTU to 39,000 MWD/MTU. The impact of increasing the average fuel exposure affects the isotopic inventories used in accident dose and environmental qualification (EQ) dose evaluations.

Safety Evaluation Number: 2016-10-001

Type of Safety Evaluation: FSAR Change

Evaluation Reference Number: EC 391644

Title: Reactor and Diesel Building Flood Barriers

Description: This activity implements the installation of flood barriers to the Dresden Reactor Building in order to keep the flood waters from entering the wetwell and making the wetwell venting strategy inoperable. Dresden is in the process of implementing Hardened Containment Vent System (HCVS).

Attachment D

Technical Requirements Manual Change Summary Report

15-001 Revision to TRM Section B 3.6.c
Revised Page B 3.6.c-3 to correct an error in the downcomer water leg numerical value.

15-003 Revision to TRM Appendix A
Revised Page A-11 to add the U2 FW check valve LLRT test taps to the PCIV list.

15-005 Revision to TRM Appendix F
Updated Appendix F to include the updated COLR for D3C24, Rev. 1.

15-006 Revision to TRM Appendix I
Revised Appendix I to incorporate changes due to License Amendment Nos. 244/237 associated with gas accumulation in ECCS systems.

15-009 Revision to TRM Section 3.7.p
Created TRM Section 3.7.p which includes limitations for operation of the natural gas line.

15-010 Revision to TRM Section 3.7.m
Revised Page 3.7.m-7 to add a new safe shutdown light to the list.

15-011 Revision to TRM Section 3.7.j
Revised Page 3.7.j-5 to change TSR 3.7.j.4 and 5 frequencies from 18 months to 36 months per EC 397229.

15-012 Revision to TRM Section 3.7.p
Revised Pages 3.7.p-1, 3.7.p-2, and B 3.7.p-1 through 4 to renumber the Required Actions of Condition B, add Condition C, and update the bases accordingly.

15-014 Revision to TRM Section 3.3.e and 3.7.k
Revised Pages 3.3.e-2 and 3.3.e-3 to change TSR 3.7.k.4 and 5 frequencies from 184 days to 12 months, TSR 3.7.k.6 and 7 from 18 months to 3 years, and TSR 3.3.e.2 from 12 months to 24 months.

15-015 Revision to TRM Appendix F
Updated Appendix F to include the updated COLR for D3C24A, Rev 0.

16-002 Revision to TRM Section 3.7.o
Revised Pages 3.7.o-2 and B 3.7.o-3 to revise Required Actions C.1 and C.2.

16-003 Revision to TRM Section 3.7.o
Revised Page 3.7.o-2 to change the frequency of TSTR 3.7.o.1 to 24 months.

16-005 Revision to TRM Section 3.6.c
Revision removed Sections 3.6.c and B 3.6.c.

16-012 Revision to TRM Appendix E
Updated Appendix E to include the updated COLR for D2C25, Rev 0.

Attachment D

Technical Requirements Manual Change Summary Report

16-013 Revision to TRM Appendix F
Updated Appendix F to include the updated COLR for D3C24A, Rev 1.

16-014 Revision to TRM Appendix F
Updated Appendix F to include the updated COLR for D3C25, Rev 0.

16-017 Revision to TRM Section 3.7.p and B 3.7.p
Revised Pages 3.7.p-1, 3.7.p-2, and B 3.7.p-1 through 4 to only require one boiler house ventilation fan to be in operation per Design Analysis DRE 12-0036.

16-018 Revision to TRM Section 3.3.a
Revised Pages 3.3.a-4, 3.3.a-5, and 3.3.a-6 to create TSR 3.3.a.7 to extend portions of TSR 3.3.a.1 from 7 days to 31 days associated with TRM Change 16-015 (extension of SR 3.3.1.2.5). Additionally, a note was added to Table T3.3.a-1 to align TRM requirements with Tech Specs.

16-019 Revision to TRM Appendix D
Editorial changes to Appendix D.

16-020 Revision to TRM Appendix G
Editorial changes to Appendix G.

Revisions to TRM Appendix I as part of the Surveillance Frequency Control Program
15-004: SRs 3.3.8.1.5 and 3.8.1.9/10/12/14/17/18/19 extended from 24 months to 24 months on a staggered test basis
15-007: SRs 3.9.1.1a-f and 3.9.2.2 extended from 7 days to 30 days
16-007: SRs 3.3.5.2.1, 3.6.1.8.2, and 3.6.4.3.1 extended from 31 days to 92 days
16-008: SRs 3.3.1.1.18 and 3.3.6.1.7 extended from 24 months to 48 months
16-015: SR 3.3.1.2.5 extended from 7 days to 31 days
16-016: SRs 3.3.8.1.3/4 extended from 24 months to 48 months

Attachment E

Summary of Regulatory Commitment Changes

In accordance with the guidance provided in Nuclear Energy Institute (NEI) 99-04, Revision 0, "Guidelines for Managing NRC Commitment Changes," dated July 1999, Dresden Nuclear Power Station changed the following regulatory commitment during the period of January 1, 2015 through December 31, 2016, which requires notification to the NRC.

Commitment Revision No.	Original Commitment	Revised Commitment	Basis For Revision
15-001	Commitment to follow BWRVIP-190 Rev. 0	Commitment to follow BWRVIP-190 Rev. 1	More comprehensive guidance for chemistry.

Attachment F

10 CFR 54.37(b)
Aging Management Review Summary

In accordance with 10 CFR 54.37(b) and the guidance specified in Regulatory Issue Summary 2007-16, Revision 1, "Implementation of the Requirements of the 10 CFR 54.37(b) for Holders of Renewed Licenses," the UFSAR update required by 10 CFR 50.71(e) must include any Structures, Systems, or, Components (SSCs) newly identified that would have been subject to an aging management review or evaluation of time-limited aging analyses in accordance with 10 CFR 54.21. This UFSAR update must describe how the effects of aging will be managed such that the intended function(s) in 10 CFR 54.4(b) will be effectively maintained during the period of extended operation.

A review of the aging management program which covered the period of March 16, 2015 to March 31, 2017 was performed. The review included:

- interviews of Program Managers,
- modifications that were installed since the last UFSAR update,
- completed Engineering Evaluations,
- changes to component safety classifications,
- UFSAR pending change description,
- NRC Inspection Reports associated with the License Renewal Inspections.

This review was performed to determine if any SSCs that met the definition of the term "newly identified component" in ER-AA-700 had been created since the last UFSAR update.

For holders of a renewed operating license, 10 CFR 54.37(b) requires that newly-identified structures, systems, or components (SSCs) be included in the Final Safety Analysis Report (FSAR) update required by 10 CFR 50.71(e) describing how the effects of aging will be managed. A newly identified SSC is an SSC that, if it would have been identified at the time of the license renewal application, would have been subject to an aging management review or evaluation of Time Limited Aging Analyses (TLAAs).

There were no new components identified to be added to the Aging Management Programs for Dresden.

Attachment G

OSM Directory Structure

Directory Path	File Name	Size
E:\001 DRE UFSAR Rev 12	000 List of Affected Pages.pdf	84 KB
E:\001 DRE UFSAR Rev 12	001 CHAP 01 Introduction.pdf	411 KB
E:\001 DRE UFSAR Rev 12	002 CHAP 02 Site Characteristics.pdf	1357 KB
E:\001 DRE UFSAR Rev 12	003 CHAP 03 Design of SCE.pdf	6674 KB
E:\001 DRE UFSAR Rev 12	004 CHAP 04 Reactor.pdf	4523 KB
E:\001 DRE UFSAR Rev 12	005 CHAP 05 Reactor Coolant Sys.pdf	2082 KB
E:\001 DRE UFSAR Rev 12	006 CHAP 06 Engineered Safety Features.pdf	6189 KB
E:\001 DRE UFSAR Rev 12	007 CHAP 07 Instrumentation and Controls.pdf	5733 KB
E:\001 DRE UFSAR Rev 12	008 CHAP 08 Electrical Power.pdf	7281 KB
E:\001 DRE UFSAR Rev 12	009 CHAP 09 Auxiliary Systems.pdf	3945 KB
E:\001 DRE UFSAR Rev 12	010 CHAP 10 Steam and Power Conv Sys.pdf	376 KB
E:\001 DRE UFSAR Rev 12	011 CHAP 11 Radioactive Waste Mgmt.pdf	7550 KB
E:\001 DRE UFSAR Rev 12	012 CHAP 12 Radiation Protection.pdf	180 KB
E:\001 DRE UFSAR Rev 12	013 CHAP 12 Figures.pdf	35294 KB
E:\001 DRE UFSAR Rev 12	014 CHAP 13 Conduct of Operations.pdf	157 KB
E:\001 DRE UFSAR Rev 12	015 CHAP 14 Initial Test Program.pdf	583 KB
E:\001 DRE UFSAR Rev 12	016 CHAP 15 Accident and Transient Analysis.pdf	2729 KB
E:\001 DRE UFSAR Rev 12	017 CHAP 16 Technical Specifications.pdf	48 KB
E:\001 DRE UFSAR Rev 12	018 CHAP 17 Quality Assurance.pdf	58 KB
E:\001 DRE UFSAR Rev 12	019 APP A UFSAR Supplement.pdf	200 KB
E:\002 DRE TRM	001 DRE TRM.pdf	3701 KB
E:\002 DRE TRM	002 DRE TRM Affected Page List.pdf	63 KB
E:\003 DRE Tech Spec Bases	001 DRE Tech Spec Bases.pdf	1705 KB
E:\003 DRE Tech Spec Bases	002 DRE TSB Affected Page List.pdf	60 KB
E:\004 DRE FPR Amendment 21	001 DRE FPR VOL 1 Update Fire Hazards Analysis.pdf	5022 KB
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